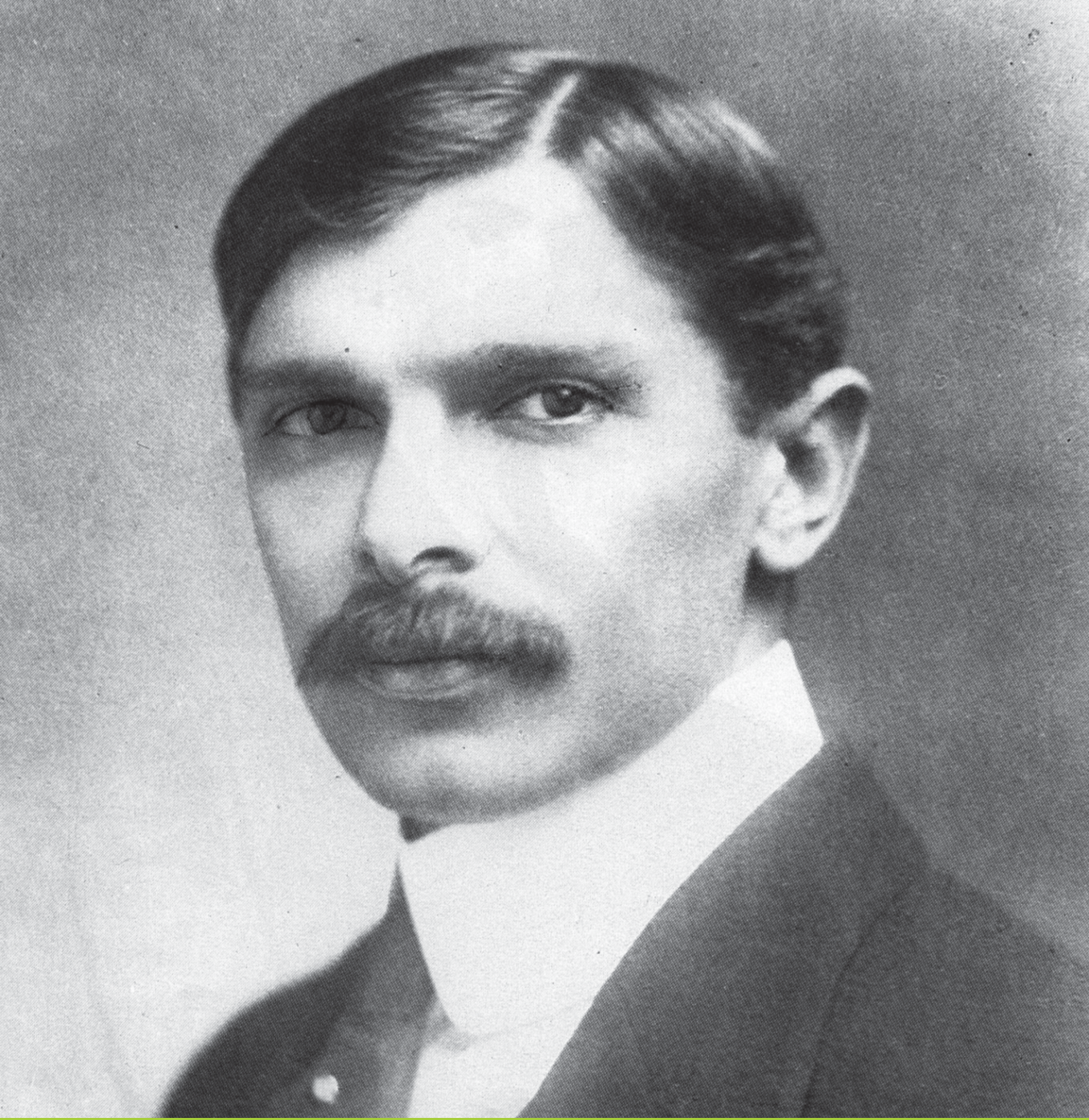


the art of success
EDUCATING *creative entrepreneurs*

A photograph of two female students in a studio setting. They are focused on a project on a table, which appears to be a model or a craft. The student on the left is wearing a blue cardigan over a patterned top, and the student on the right is wearing a grey sweater with a white shawl. The background is a green wall, and there are studio lights and equipment visible.

ANNUAL REPORT

2016/17



"Come forward as servants of Islam organise the people economically, socially, educationally and politically and I am sure that you will be a power that will be accepted by everybody."

Muhammad Ali Jinnah





Vice Chancellor's Message

The best moment never comes at the outset in any course of a struggle however judiciously and carefully you make your moves or plan activities.

You must cross a sea of obligations and responsibilities, likely to brave the local gotcha scribes waging a mendacious propaganda and an unjust, uncalled-for, 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 being catapulted to the slot on the podium you have been eyeing for so long.

That best of the moments has not arrived, though, I can assure you that we're closing in on it a mile a minute 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 in response to a whole host of our efforts and initiatives during the last three years to promote quality education, fashion a culture of research development and innovation, character-building of students and entrepreneurial skills that it can go beyond the niche it has carved out for itself.

Things were not in perfect order, if not in utter clutter, when I took the helm of the university. Accreditation of a couple of degree programmes and a host of other issues which had been in limbo for long kept nibbling on precious time and hard-earned resources, making it more difficult for me to get into the crucial momentum I had been hoping to get into. However, successful implementation of a number of key academic and administrative policies and reforms put together along with a series of infrastructural development and expansion projects worth hundreds of millions of rupees to meet the needs of the ever-growing influx of the students making the UoG their final port of call will certainly go a long way in achieving and further uplifting the cause of higher education in the country.

The booming three years saw the completion of several mega projects as part of much-needed UoG infrastructure development and expansion. As a result, the most modern and fully equipped labs, more

academic blocks as well as a new building for the Nawaz Sharif Medical College (NSMC-UoG), more hostel facilities for the students and residential units for the faculty and other staff, modern cafeterias and snack bars, a state-of-the-art digital library, multi-purpose halls with video conferencing facility, data centre, e-rozgaar centre, etc., a wide range of new undergraduate and graduate degree programmes along with the implementation of e-learning and management system, the UoG is a perfect model of the HEC concept of a 'smart university' capable of contributing to the national progress and development goals in a world of knowledge-based economies.

Pakistan's first state-of-the-art and purpose-built 9000-sq-ft Ceramics Design Studio, the Centre for Languages and Translation Studies (CeLTS) and the Institute of Hotel and Restaurant Management (IHRM) being housed at the UoG is certainly something we can rejoice at.

An ever-increasing influx of students has made infrastructural development and more degree programs in various disciplines as our top priority, along with the projects of research and faculty development. We are planning strategies to enhance the quality of education through teaching and research and offer solution-oriented learning through collaboration with business and social communities.

We also plan to strengthen PhD and MPhil programs in different departments. The establishment of the Lab for Energy Development by the Department of Chemistry and the Data Analysis and Consultancy Centre by the Department of Statistics are in the offing.

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 Zia Ul-Qayyum
Vice Chancellor, UoG

University of Gujrat **ORGANOGRAM**



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University of Gujrat

University of Gujrat (UOG) was chartered by Government of Punjab in 2004. It is located in the suburbs of Gujrat at a beautiful and picturesque landscape which is about 12 kilometers from the city. It comprises Hafiz Hayat Campus and one medical college, four city campuses in Gujrat and two subcampuses in Narowal and Rawalpindi.

UOG is committed to cultivating skills groomed to excellence, advancing science and technology, striving for social and economic development, and promoting knowledge culture with the priority best expressed in the university vision of "A World Class University".

Since its inception, UOG has always been trying to cater for the national and regional needs, and exert itself to be an influential premier place of 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 years associate degree programs in various disciplines deploying community participation.

UOG focuses on academic subjects and research concurrently, but research is among the top priority thrusts. The University has established a number of research centers.



UOG believes in transferring research benefits in real time to the community, therefore, the Office of Research, Innovation & Commercialization was established in 2011 which is playing a key role in the promotion of high quality research culture as well as establishing strong industry linkages to promote applied and collaborative research activities.

University of Gujrat is a large sized university with distinctive features. It has six faculties, 38 academic departments, and offers more than 100 programs at Associate Degrees, BS, Masters, Mphil and PhD levels. 638 Faculty members with 104 PhDs and 409 MPhils are collaborating with many national and international organizations. At present, over 4,036 students are enrolled for the session 2016-17. In addition, there are more than 9,408 external students of 93 affiliated colleges. There are also students registered as

private candidates to whom UOG awards degrees after successful completion of assessment through 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. This momentous achievement has been realized owing to our transport fleet of more than 78 vehicles dedicated for students on 82 different routes covering Gujranwala, Mandi Bahauddin, Sialkot, Jhelum, Kharian, Bhimber and Gujrat districts. Female ratio has now touched 51 percent mark. This institution will have long lasting educational, social and economic impact on this region. University of Gujrat is striving hard to build itself into an innovative and comprehensive teaching and research university marching towards a world-class status.



Academic Activities

UOG expanded its academic activities sphere during 2016-17 by introducing some of the new market based academic programs. All academic programs at various levels are being offered in its Main Campus (Hafiz Hayat Campus), four (04) city campuses in Gujrat, four (04) Sub-Campuses (Lahore, Sialkot, Rawalpindi and Narowal) and affiliated colleges in various cities of the Punjab. The number of programs offered during 2016-17 is 115, which includes 68 Undergraduate & Postgraduate Programs and 47 MS / MPhil & PhD programs.

Undergraduate and Postgraduate Programs

UOG offered forty-six (46) Undergraduate Programs, i.e. four (04) Associate Degree, forty-two (42) BSc/BS (Hons.) / LLB (Hons.) / B.Arch. in various disciplines and twenty-two (22) Postgraduate Programs, i.e., Masters Programs in different disciplines. Details of Programs are as follows:

Associate Degree

- 1) Associate Degree in Hotel and Restaurant Management
- 3) Associate Degree in Information Technology Management
- 2) Associate Degree in Paralegal
- 4) Associate Degree in Accounting & Finance

BSc/BS (Hons.) / LLB(Hons.) / B.Com (Hons.) / B.Arch. (4-5 years Programs)

- 1) Bachelor of Architecture
- 2) Bachelor of Design in Ceramic Design
- 3) BS in Biotechnology
- 4) Bachelor of Design in Communication
- 5) Bachelor of Fine Arts
- 6) Bachelor of Design in Multimedia Arts
- 7) Bachelor of Design in Product Design
- 8) Bachelor of Design in Textile Design
- 9) Bachelor of Science in Chemical Engineering
- 10) BS in Chemical Technology
- 11) Bachelor of Science in Electrical Engineering
- 12) BS in Electrical Technology
- 13) BS in Mechanical Technology
- 14) BS in Mathematics
- 15) BS in Statistics
- 16) BS in Banking and Finance
- 17) BS in Hospitality Management
- 18) Bachelor of Commerce
- 19) BS in Economics
- 20) BS in History
- 21) BS in International Relations
- 22) MBBS (offered by UOG Medical College through University of Health Sciences, Lahore)
- 22) BS in Mass Communication & Media
- 23) BS in English
- 24) BS English in Applied Translation Studies

- 25) BS in Islamic Studies
- 26) LLB (Hons.)
- 27) BS in Computer Science
- 28) BS in Information Technology
- 29) BS in Software Engineering
- 30) BS in Botany
- 31) BS in Biochemistry
- 32) BS in Chemistry
- 33) BS in Environmental Sciences
- 34) BS in Geography
- 35) BS in Physics
- 36) BS in Zoology
- 37) BS in Accounting and Finance
- 38) BS in Psychology
- 39) Bachelor of Business Administration
- 40) B.Ed. (Hons.)
- 41) BS in Political Science
- 42) BS in Sociology



Masters Programs

- 1) Masters in Mass Communication
- 2) Masters of Science in Psychology
- 3) Masters of Science in Computer Science
- 4) Masters of Science in Computer Science (Evening)
- 5) Masters of Science in Botany
- 6) Masters of Science in Mathematics
- 7) Masters of Science in Statistics
- 8) Masters in Pak Studies
- 9) Masters of Commerce
- 10) Masters of Economics
- 11) Masters of Arts in History
- 12) Masters of Arts in English
- 13) Masters of Arts in Sociology
- 14) Masters of Science in Information Technology
- 15) Masters of Science in Physical Education & Sports Sciences
- 16) Masters of Science in Chemistry

- 17) Masters of Science in Physics
- 18) Masters of Science in Zoology
- 19) Masters of Business Administration (3.5 Years)
- 20) Masters of Science in Geography
- 21) Masters of Arts in Education
- 22) Masters of Arts in International Relations

- 25) Master of Philosophy in Economics
- 26) Master of Philosophy in Physics
- 27) Master of Philosophy in Zoology
- 28) Master of Philosophy in Zoology (Weekend Program)
- 29) MS in Business Administration
- 30) Master of Philosophy in Education

MPhil/MS and PhD Programs

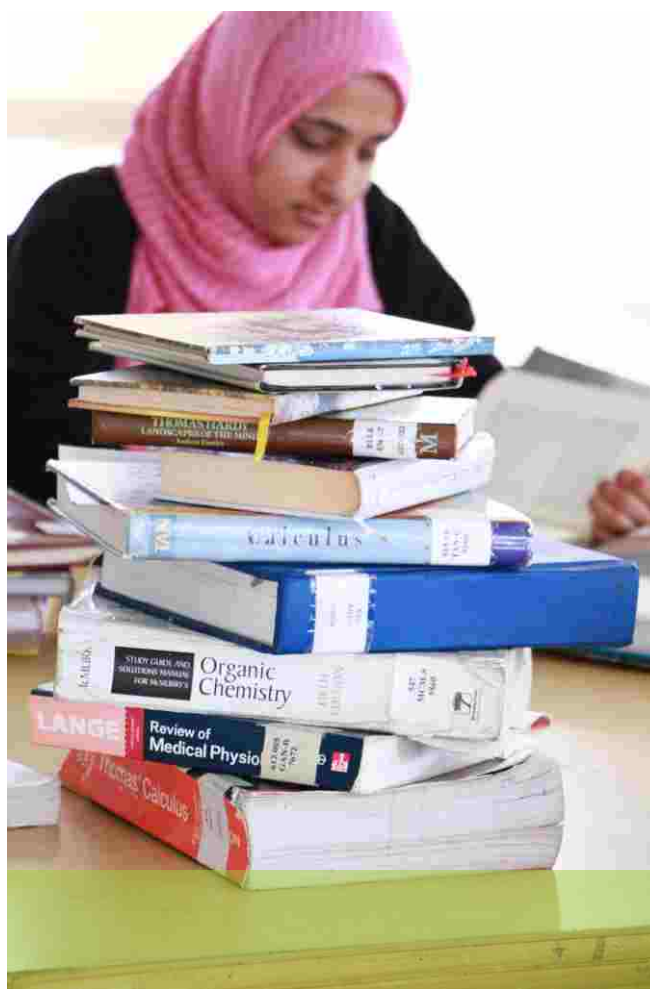
UOG offered thirty (30) MPhil/MS Programs and seventeen (17) PhD Programs in various market-based disciplines. Details of these Programs are as under:

MPhil/MS Programs

- 1) Master of Philosophy in English Linguistics
- 2) Master of Philosophy in Mass Communication & Media (Professional Track)
- 3) Master of Philosophy in Mass Communication & Media (Research Track)
- 4) Master of Philosophy in Islamic Studies
- 5) Master of Philosophy in Islamic Studies (Weekend Program)
- 6) MS in Computer Science
- 7) MS in Computer Science (Evening)
- 8) Master of Science in Chemical Engineering
- 9) Master of Science in Energy Engineering
- 10) Master of Philosophy in Biochemistry
- 11) Master of Philosophy in Botany
- 12) Master of Philosophy in Environmental Sciences
- 13) Master of Philosophy in Mathematics
- 14) Master of Philosophy in Statistics
- 15) Master of Philosophy in Translation Studies
- 16) Master of Business Administration (1.5 Years)
- 17) Master of Philosophy in Pakistan Studies
- 14) Master of Philosophy in History
- 15) Master of Philosophy in English and Literature
- 16) Master of Philosophy in Physics (Weekend Program)
- 17) LLM
- 18) Master of Philosophy in International Relation
- 19) Master of Philosophy in Psychology
- 20) MS in Information Technology
- 21) Master of Science in Electrical Engineering
- 22) Master of Philosophy in Political Science
- 23) Master of Philosophy in Biotechnology
- 24) Master of Philosophy in Chemistry

PhD Programs

- 1) PhD in Mass Communication & Media
- 2) PhD in Botany
- 3) PhD in Chemistry
- 4) PhD in Zoology
- 5) PhD in Education
- 6) PhD in Islamic Studies
- 7) PhD in Computer Science (Evening)
- 8) PhD in Computer Science (Evening)
- 9) PhD in History
- 10) PhD in Biochemistry
- 11) PhD in Biotechnology
- 12) PhD in Environmental Sciences
- 13) PhD in Business Administration
- 14) PhD in Psychology
- 15) PhD in Physics
- 16) PhD in Economics
- 17) PhD in Political Science



Academic Achievements

UOG faculty and students accomplished several academic achievements during 2016-17 in line with the vision and mission of the university to elevate national and international ranking of the university. Details of academic achievements are as under:

- 1) Introduced new Undergraduate, Graduate and Postgraduate Programs in various disciplines, particularly PhD Program.
- 2) Faculty member Department of Management Sciences Dr. Muhammad Anwar ul Haq, Assistant Professor, won travel grant worth Rs. 305798/ from HEC Pakistan for research paper presentation at EURAM 2017, Strathclyde University, Glasgow, 21-24 June, 2017.
- 3) Department of Commerce introduced BS Commerce degree during 2016-17.
- 4) Mr. Saqib Mehmood Lecturer, Department of Commerce won Rs 0.28 million from PHEC in the form of travel grant and presented his research paper at BAASANA-2017 International Conference, held in the month of August at Exeter Business School, Exeter University, United Kingdom.
- 5) Mr. Saqib Mehmood Lecturer, Department of Commerce won Rs 0.15 million from HEC in the form of travel grant and presented his research paper at ASIA International Conference 2016 held in Kuala Lumpur Malaysia at University of Teknologi, Malaysia
- 6) Anam Tasawer, Lecturer Department of Commerce, won 0.27 million from PHEC in the form of travel grant and presented her research paper in 8th Economics & Finance Conference, held on June 2017, London, UK.
- 7) The Department of Education conducted Teacher Training during 2016-17 Project titled "Capacity Building of the Social Change Agents: School Heads and Elementary School Teachers.
- 8) Department of History Launched PhD program in the subject of History during 2016-17.
- 9) Department of Botany expanded its academic research activities during 2016-17 in which its faculty members, i.e., Dr. Muhammad Sajjad Iqbal and Dr. Malka Saba, received research grants from Higher Education Commission (HEC), Islamabad. Through these research grants, department procured new scientific instruments and established state of art research lab.
- 10) Department of Chemistry organized Two Days Interdisciplinary National Workshop on "Chromatography & Mass Spectrometry" from 29-30th March 2017.
- 11) Department of Environmental Sciences approved and launched PhD program in fall 2017.
- 12) Dr. Rashid Saeed and Dr. Mujahid Farid received a grant of Rs. 5.29 million for the project titled "Radiation and Chemical assisted treatment of industrial wastewater through phytoextraction" from HEC.
- 13) Department of Physics expanded its academic research activities during 2016-17 in which its faculty members, i.e., Dr. Abdul Majid, Dr. Ghulam Nabi, Dr. Khalid Nadeem Riaz, Dr. Muhammad Shakil, Dr. Muhammad Rizwan and Dr. Naeem Iqbal, received research grants from Higher Education Commission (HEC), Islamabad. Through NRPU and SRGP Projects research grants, department procured new scientific instruments and established state of the art research lab.
- 14) Faculty members of Department of Physics published articles in different renowned national and international journals during the year 2016-17.
- 15) Dr. Shazia Shamas, Assistant professor, TTS, Department of Zoology was awarded research project titled " Effect of Peripheral Kisspeptin Administration on Circulating level of Irisin and Adiponectin in Obese Subjects" amounting to Rs. 489900/- on 8th April 2017 funded by Higher Education Commission under Startup Research Grant Program R&D Division for a period of one year.
- 16) Faculty members of Department of Biochemistry and Biotechnology published articles in different renowned national and international journals during the year 2016-17.
- 17) Department of Computer Science initiated the PhD (CS) Program in evening in spring 2016-17.
- 18) Department of Software Engineering and Information Technology Accredited by NCEEAC in 2017.
- 19) Department of Information Technology conducted seminar on "Career counseling and Free Lancing" in April 2017.



- 20) Department of Information Technology conducted competition on "Arbisoft Test" in May, 2017.
- 21) Department of Multimedia Arts conducted 60 Second Intl. Film Festival and arranged 3 Days Filmmaking Workshop at Hafiz Hayat Campus on 16th, 17th and 18th January and on 19th May, 2017.
- 22) Department of Ceramic Design conducted Exhibition and Thesis Show during Spring and Fall 2017.
- 23) Department of Product Design conducted Exhibition and Thesis Show during Spring 2017.
- 24) Department of Mass Communication and Media successfully completed TV Studio in CMCS under the partnership program with Oklahoma University, USA.

Foreign Academic Linkages:

UOG aspires to establish academic linkages with international educational institutes for collectively dealing with the academic and research areas according to changing patterns of international trends. For this purpose, UOG is categorizing and exploring numerous areas of collaboration such as joint research, student and faculty exchange and some of other academic activities have become part of foreign academic linkages. During 2016-17 Department of Computer Science signed Memorandum of Understanding (MOU) between University of Electronic Science and Technology of China (Chengdu, China) and University of Gujrat, Pakistan in 2017, Memorandum of Understanding (MOU) between University of Gujrat and West Virginia State University, USA, 2017 (in process), and Department of Mass Communication and Media developed academic linkage program with School of Journalism University of Arizona, USA. The purpose of this collaboration is to improve educational standards and boost research activities.

Honours and Awards:

UOG faculty and students secured honours and awards in different fields on the basis of their excellent performance. Details are as under:

- 1) Baber Ali, 14171521-028, student of BS Economics won first position in an event titled "RAMZ 17" held at University of Gujrat.
- 2) Baber Ali, 14171521-028, student of BS Economics won first position in "Shahbaz Sharif District Level Competition" and 3rd Position at Divisional Level, held at Punjab University Gujranwala Campus.
- 3) Baber Ali, 14171521-028, student of BS Economics won 3rd Position in "CM National Song" Competition. Got 1st Position in "All Pakistan Sufiana Kalaam Competition" held at NUML University Islamabad.
- 4) Saima Basharat 14051503-001 student of BS History won 1st position in "Punjabi Declamation Contest at UET.
- 5) Saima Basharat 14051503-001 student of BS History won 2st position in "Punjabi Declamation Competition " at Iqra School & College Murree.
- 6) Dr. Muhammad Sajjad, Dr. Shamim Akhtar and Ms. Durre-e-Nayab won 3rd position in DICE Agriculture & Food Sciences, University of Agriculture Faisalabad in November, 2016.
- 7) 03 NRPU projects won by Dr. Muhammad Fazian Nazar, Dr. Muhammad Nadeem Zafar and Dr. Ehsan ullah Mughal.
- 8) Students of Department of Geography got 1st position in Bazm-e-Tariq Aziz in Bait Bazi PTV Home held on 26th January, 2017.
- 9) Student of Department of Geography got 1st position in Takrar in Urdu Speech at UOG.
- 10) Students of Department of Geography got 4th position in Bait Bazi in GCU Lahore on 21st March 2017.
- 11) Students of Department of Geography reached upto semifinal in Shan-e-Ramzan ARY Digital TV show in Bait Bazi.
- 12) Student of Department of Geography got 5th position in Urdu Speech in FSD Majma.
- 13) Department of Geography participated in PMC FSD.
- 14) Dr. Iftikhar Ahmad was awarded cash by UOG for paper publication.
- 15) M. Bilal Tahir received best teacher award from UOG.
- 16) Mahjabeen Zafar, 131091514-003 and Sabahat Naheed students of Department of Zoology won 3rd position in Innovation Project Competition held on 27th January, 2017.
- 17) 4th Annual National Law Moot Competition 2017, held on 18.01.2017, was jointly won by School of Law, UOG, Gujrat along with Quaid e Azam Law College, Lahore. This event was comprised of 8 teams from the prestigious Universities and Law Colleges of Pakistan.

- 18) MS Zunaira Shafqat, 13031519-045, student of the Department of Computer Science was selected as the top ICT student from University, among the top 15 ICT students to represent Pakistan at 2 weeks long training held at Beijing, Huawei HQ and Xintianxia, Shenzhen, China held on 12th -26th May, 2017. During the Course, the student also won the competition between Belarus, Greece and Pakistan. Graduated with honor at the end of the program. She also participated in the competition of Google Blogger of UOG held on 6th September, 2016, and was acknowledged as the first girl Blogger from UOG and awarded the Google Publishers of Pakistan Title.
 - 19) A group of Students (13021598-055, 13021598-111, 13021598-113, 13021598-113) Department of Software Engineering got 2nd position in Business Incubation Center out of 15 top projects selected from round about 1000 projects participated.
 - 20) Ali Haider's (12015056-042 student of Department of Information Technology in final year) project was ranked in top 10 projects of GITEX 2016 in DUBAI, which was an International competition.
 - 21) Department of Fine Arts Won Excellent Award by Artist Association of Punjab 32nd Annual Art Exhibition 2018.
 - 22) Faiza Ansari student of Department of Textile Design won 2nd prize in DICE competition held on 23rd march 2017 National Textile University, Faisalabad.
 - 23) Mehjabeen Iqbal, Saira Yousaf and Faseeha Nadeem won 2nd prize in Wall competition Nov 2016 By Master Paints Gujranwala.
- joint research projects, educational programs, curriculum development, labs and equipment upgradation, job placement of UOG graduates, organizing joint workshops, seminars and conferences etc. During 2016-17, following institutional linkages were established by UOG:
- i. Department of Geography signed MoUs with Regional Metrological Center, Lahore, (PMD), Islamabad.
 - ii. Department of Product Design established linkages with: i) Heavy Industry Taxila, Taxila, ii) Sigma Sports Industry, Sialkot iii) Fircos Shoes Industry, Sialkot, iv) TEVTA Wood Institute Gujrat, Pakistan, v) Cobija Sports, Sialkot, vi) Younas Fans Industry, Gujrat for Cooperation in Research and Designing in terms of exchanging of expertise and experience through workshops, lectures, demonstrations.
 - iii. Department of Mass Communication and Media developed academic linkage program with School of Journalism University of Arizona, USA.

Institutional Linkages:

UOG has strong linkages with local public and private sector universities, institutions and other organizations to collectively improve higher education sector and flourish research culture at national level. In this regard, UOG has signed numerous Memorandums of Understanding (MoUs) in different years since its inception. With institutional collaboration at national level, UOG's academic departments have successfully attained benefits by executing as well as launching



One Day National Symposium "How to Develop Strong Linkages between Business Industry and Academia"

August 6, 2015





Research & Development

R&D – An Overview

Research and development activities of UOG are managed / carried out by 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 Higher Education Commission (HEC) Islamabad, to make RESEARCH a top PRIORITY for a sustainable economic growth and future knowledge based economy. The purpose of this Office is to serve as a pivotal point to manage all the research activities, develop, expand and enhance university's 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 promote and strengthen the research culture in all disciplines of UOG to bring it at par with other institutions of higher learning within the country and abroad. It is prodding students and faculty 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. ORIC provides end to end services for all matters pertaining to research & development, innovation, inventions, commercialization, patents, collaborations, and for arranging seminars/ symposiums/ conferences and workshops.

Key role of ORIC is:

- Setting the strategic research directions and policies in accordance with the university's Research and Development (R&D) vision.
- Ensuring conducive Research and Development culture, so that research remains an integral component of academic activities at UOG.
- Encouraging and enhancing the University's Entrepreneurial Environment by strengthening university-industry relationship as well as expanding partnerships with public and private sector organizations, not for profit organizations, national and international donors and all other community-based organizations.
- ORIC realizes the need to positively contribute in

developing R&D and to play its role in transforming the economic focus of the country through strengthening of institution to institution and academia-industrial ties. ORIC is keenly involved in establishing linkages with academia, industry and the community to carry out different projects. Besides this, ORIC has signed a number of MOUs with local and regional industries to provide them industrial solutions along with the innovative ideas.

- The ORIC performs certain operational activities to support the university which are as follows:
- Developing and implementing the University's research policy.
- Fund-raising for research.
- Ensuring effective distribution and efficient use of research funds, in line with the priorities identified in the university's strategic plan.
- Setting standards and ensuring effective dissemination of high quality research output.
- Representing the interests of the University.
- Registration, patenting and commercialization of intellectual property.
- Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.
- Promoting and enhancing cross-cutting and multi-disciplinary research initiatives.
- Processing the research proposals of UOG Faculty for seeking funding from HEC or other donor agencies.
- Channelizing research grant applications to the respective donor organizations and preparing technical reports thereof.
- Establishing links with donors and industry for enhancing research collaboration and sharing research results.
- Arranging and conducting seminars, conferences and training workshop programs for faculty awareness, development and faculty-industry interaction.
- UOG has established following offices/departments to carry out Research and Development activities and provide helping hands to researchers as well as students.

Existing Facilities of Research

- Office of Research, Innovation & Commercialization (ORIC)
- Business Incubation Center (BIC)
- Pak-UK Institute of Innovative Technologies for Disaster Management
- Software Development and Maintenance Cell (SDMC)



Research Projects

Research is the focal point of the university education all over the world. Universities significantly contribute towards creation of new knowledge and 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, 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 all activities related to research to make it in line

with national needs. As such, the ORIC has a significant role to play towards achieving the vision of the Vice Chancellor. Therefore, facilitation and coordination of research activities and liaison with other national as well as international academics, research and industrial organizations to facilitate research is the mission of the ORIC. During last academic year (2016-17), several projects were initiated on the basis of funding from various sources.

The list of completed, ongoing and pipeline projects is given below along with amount and source of funding:

Sr. No.	Title of the Project	Project Type	PI, Designation & Department	Co-PI, Designation & Department	Funds Approved (Rs Million)
Projects of Start-Up Research Grant Program - Higher Education Commission of Pakistan					
01	Impact of Urban Ecology on Transmission of Tuberculosis in Urban Areas of Gujrat City: A Cross Sectional Study	SRGP	Dr. M. Mian Dad Assistant Professor, Department of Geography	Dr. M. Mushahid Anwar Professor, Department of Geography	0.24
02	Characterization of Carbohydrate Based Biopolymers and its Nanomaterial Binding Potential and Biological Activities	SRGP	Dr. Sumaira Sharif Assistant Professor Department of Biochemistry & Molecular Biology	Dr. Umer Rashid Assistant Professor Department of Biochemistry & Molecular Biology	0.40
03	Synthesis and Characterization of Gum Based Nanoparticles and its Application on Cotton Fabric for Medical Purposes.	SRGP	Dr. Hira Munir Assistant Professor Department of Biochemistry and Molecular Biology	Dr. Muhammad Irshad Department of Biochemistry and Molecular Biology	0.40
04	Social Science Research Studies' Perspective on Supervisory Support at their University: A Qualitative Analysis	SRGP	Dr. Yaar Muhammad Assistant Professor Department of Education	Mobeen-ul-Islam Assistant Professor Department of Education	0.30
05	Semiconductor Coupled TiO ₂ Based Composites for Photo Catalytic Applications	SRGP	Dr. Khalid Nadeem Riaz Assistant Professor Department of Physics	Dr. M. Shakil Assistant Professor Department of Physics	0.41
06	Study of Microstructure and Mechanical Property of Electron Beam Welded Aluminum-Lithium Alloy	SRGP	Dr. M. Shakil Assistant Professor Department of Physics	Mobeen-ul-Islam Assistant Professor Department of Education	0.30

Sr. No.	Title of the Project	Project Type	PI, Designation & Department	Co-PI, Designation & Department	Funds Approved (Rs Million)
Projects of Start-Up Research Grant Program - Higher Education Commission of Pakistan					
07	Numerical Modeling to Control Flow Induced Vibration for Multicylinder Arrangements	SRGP	Dr. Sajjad Miran Assistant Professor Department of Mechanical Engineering	Dr. M. Suleman Tahir Professor Department of Chemical Engineering	0.45
08	Function Analysis of Active-site Amino Acids of Multidrug Transporter STY4874 from Salmonella typhi	SRGP	Dr. Aqsa Shaheen Assistant Professor Department of Biochemistry and Molecular Biology	Dr. Nadia Zeeshan Assistant Professor Department of Biochemistry and Molecular Biology	0.37
09	Hybrid Bottom-up and Top-down Stereo Visual Saliency Detection Model	SRGP	Dr. M. Wasif Assistant Professor Department of Electrical Engineering	Dr. Sajjad Miran, Assistant Prof. Department of Electrical Engineering	0.475
10	IOT-Based Personalized Heart Disease Prediction with Low False Alarm Rate	SRGP	Dr. Fiaz Majeed Assistant Professor Department of IT	Dr. Fayyaz Ahmad Assistant Professor Department of Statistics	0.36
11	Effects of Peripheral Kisspeptin Administration on Circulating Levels of Irisin and Adiponectin in Obese Subjects	SRGP	Dr. Shazia Shamas Assistant Professor Department of Zoology	Dr. Sumera Afsheen Associate Professor Department of Zoology	0.49
12	Spatial and Temporal Diversity of Macrofungi in Selected Pine Dominating Forests of Pakistan	SRGP	Dr. Malka Saba Assistant Professor Department of Botany	Dr. M. Sajjad Iqbal, Associate Professor Department of Botany	0.48
13	Novel Application of Multifunctional Hybrid Silica Nanoparticles for Treatment of Industrial Leather	SRGP	Dr. Syed Salman Shafqat, Assistant Professor Department of Chemistry	Dr. Shahzad Murtaza Associate Professor Department of Chemistry	0.47
14	Assessment of Occupational Health & Safety Practices in Small and Medium - Sized Enterprises (SMEs) of Punjab	SRGP	Dr. Mohsin Abbas Assistant Professor Department of Environmental Sciences	Dr. Rashid Saeed Associate Professor Department of Environmental Sciences	0.36
15	Domestic Graduates of Statistics Are Not True Practitioners as Advance Countries Statisticians: A Study to Determine its Factors	SRGP	Dr. Mirza Naveed Shahzad, Assistant Professor Department of Statistics	Dr. Fayyaz Ahmad Assistant Professor Department of Statistics	0.45

Sr. No.	Title of the Project	Project Type	PI, Designation & Department	Co-PI, Designation & Department	Funds Approved (Rs Million)
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Projects of Start-Up Research Grant Program - Higher Education Commission of Pakistan

16	Study and Analysis of Various Aspects of Left-Handed Materials and its Applications in Single Band, Multiband Devices	SRGP	Dr. M. Rizwan, Assistant Professor Department of Physics	Dr. Tahir Iqbal Awan Assistant Professor Department of Physics	0.41
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Sr. No.	Title of the Project	Project Type	PI, Designation & Department	Co-PI, Designation & Department	Funds Approved (Rs Million)
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Projects of National Research Program for Universities - Higher Education Commission

01	Proteomic Analysis of Interaction between Grain Aphid and Triticum Aestivum CVSTO Find Specific RNAI Targets form Gujrat District	NRPU	Dr. Amber Afroz Assistant Professor Department of Biochemistry and Molecular Biology	Dr. Ghulam M. Ali SPS (CSO), National Institute for Genomics and Advance Biotechnology, National Agriculture Research Center (NARC), Islamabad	13.31
02	Nanoparticles Based Enzymatic Bioelectronics for Bio sensing and Bioenergy Application	NRPU	Dr. M. Nadeem Zafar Assistant Professor Department of Chemistry	Dr. Faisal Nawaz Assistant Professor Department of Chemistry, University of Engineering and Technology, Lahore (Faisalabad Campus)	7.77
03	Carbon and Transition Metal Oxide Nanomaterials Based High Performance Super capacitors	NRPU	Dr. Ghulam Nabi Assistant Professor Department of Physics	Dr. Tahir Iqbal Awan Assistant Professor Department of Physics	5.23
04	Radiation and Chemical Assisted Treatment of Industrial Wastewater Through Phytoextraction	NRPU	Dr. Rashid Saeed Assistant Professor Department of Environmental Sciences	Mujahid Farid Lecturer Department of Environmental Sciences	5.22
05	Chalcones / Flavones-based Solar Energy Harvesting Scaffolds	NRPU	Dr. Ehsan Ullah Mughal Assistant Professor Department of Chemistry	Dr. Shahzad Murtaza Associate Professor Department of Chemistry	4.24

Sr. No.	Title of the Project	Project Type	PI, Designation & Department	Co-PI, Designation & Department	Funds Approved (Rs Million)
Projects of National Research Program for Universities - Higher Education Commission					
06	Political Brand: Political Socialization Process and Development of Voting Intention	NRPU	Dr. Mirza Ashfaq Assistant Professor Department of Management Sciences	Dr. Mirza Naveed Shahzad Lecturer, Department of Statistics	2.78
07	Computational Study of TM-Sic Alloys to Design Efficient Material for Counter Electrodes to be Used in Dye Sensitized Solar Cells	NRPU	Dr. Abdul Majid Associate Professor department of Physics	NIL	2.31
08	Development of Immobilized Fungal Phytase to Improve Nutrient Utilization of Agro-based Residues in Poultry Feed	NRPU	Dr. M Irshad Assistant Professor Department of Biochemistry & Molecular Biology	Prof Dr. M Asgher Professor, Department of Biochemistry & Molecular Biology, University of Agriculture,Faisalabad.	2.27
09	Identification of Novel Biomarkers for Prostate Cancer by Dissecting Extracellular Vesicle	NRPU	Dr. Kalsoom Sughra Assistant Professor Department of Biochemistry and Molecular Biology	Dr. M. Ateeq Professor Surgery Nawaz Ssharif Medical College	1.75
10	Edu-cloud: Cloud Based Multimedia Streaming as a Service for Education	NRPU	Dr. Muddassar Iqbal Pak-UK Institute of Disaster Management Director ORIC, UOG	Prof Dr. Zia Ul Qayyum Professor Vice Chancellor UOG	4.19
11	Hyper-expression and Characterization of Mutant Cellulolytic Enzyme from Indigenous stain of Aspergillums Niger	NRPU	Dr. Muddassar Zafar Assistant Professor Department of Biochemistry and Molecular Biology	Dr. Zahid Anwar Assistant Professor Department of Biochemistry and Molecular Biology	3.46
12	Investigation of Modified Metal Sulfide Composites for Hydrogen Production from Water Splitting	NRPU	Dr. Khalid Nadeem Riaz Assistant Professor Department of Physics	Dr. Tahir Iqbal Awan Assistant Professor Department of Physics	4.57
13	Modifications of Wild and Commercial Gums for them Pharmaceutical Applications with Special Reference as Bio binders for Controlled Drug Delivery System	NRPU	Dr. Hira Munir Assistant Professor Department of Biochemistry and Molecular Biology	Dr. M. Shahid Associate Professor Biochemistry and Molecular Biology, University of Agriculture, Faisalabad	4.25

Sr. No.	Title of the Project	Project Type	PI, Designation & Department	Co-PI, Designation & Department	Funds Approved (Rs Million)
Projects of USAID/Aourat Foundation					
01	Gender Equity Program	USAID/Aourat Foundation	Prof Dr. Fouzia Maqsood Professor Department of Sociology	Nil	3.46

(I) Projects Submitted/Under Process

Sr. No.	Title of the Project	Project Type	Name of PI	Designation & Department of PI	Total Funds Requested (Rs Million)
Projects of Thematic Research Grants Program - Punjab Higher Education Commission					
01	A Baseline Assessment of Well-being in the Urban Peripheral Areas of Punjab: Key Policy Challenges	PHEC TRGP	Prof Dr. Fouzia Maqsood	Professor, Sociology	2.99
02	Urbanization, Population Transition and Quality of Life in Punjab	PHEC TRGP	Dr. Muhammad Mushahid Anwar	Professor, Geography	3.00
03	Material designing for Improvement in Performance of Rechargeable Lithium Ion Batteries	PHEC TRGP	Dr. Abdul Majid	Associate Professor, Physics	2.88
04	A Comprehensive Statistical Design to Produce Bio-ethanol by Utilizing Agro-Industrial Waste Materials	PHEC TRGP	Dr. Muhammad Irshad	Assistant Professor, Biochemistry and Molecular Biology	2.70
05	Co-Creation of Values Through Strengthening Industry-Academia Linkages: The Role of Government, Industry and Universities	PHEC TRGP	Dr. Mirza Ashfaq Ahmed	Assistant Professor, FMAS	2.30
06	Assessing Entrepreneurial Ecosystem of Punjab Province: Implications for Industry-need based University Incubated Knowledge-driven Entrepreneurship	PHEC TRGP	Dr. Anwar ul Haq	Assistant Professor, FMAS	2.56

Sr. No.	Title of the Project	Project Type	Name of PI	Designation & Department of PI	Total Funds Requested (Rs Million)
Projects of Thematic Research Grants Program - Punjab Higher Education Commission					
07	Polyol Surfactants from Indigenous Sources (Non-edible Oils) for Local Industry	PHEC TRGP	Dr. Ataf Ali Altaf	Assistant Professor, Chemistry	3.00
08	Preventing Extremism and Political Violence among Youth in Punjab through Inclusive Democracy	PHEC TRGP	M. Ramzan Shahid	Assistant Professor, Pol Sciences	2.80
09	Nutraceuticals and Cosmeceuticals of Rice Industrial Waste for Healthcare: A Value-Added Approach	PHEC TRGP	Dr. Muhammad Zubair	Assistant Professor, Chemistry	3.00
10	Role of Surfactant Structure and pH on Adsorption onto Crushed Bera Sandstone for Enhanced Oil Recovery Application	PHEC TRGP	Dr. Muhammad Sagir	Assistant Professor, Chemical Engineering	2.90
11	Extraction of Protein and Glucose using Broken Rice as Raw Material	PHEC TRGP	Prof Dr. M Suleman Tahir	Professor, Chemical Engineering	2.95
12	Decentralization, Subnational Politics and Democratic Transition in Pakistan (2010-17)	PHEC TRGP	Dr. Muhammad Mushtaq	Associate Professor Pol. Sciences	2.97
13	Microencapsulated Phase Change Martials (PCMs) for Textile Finishes: A Smart Approach	PHEC TRGP	Dr. M Faizan Nazar	Assistant Professor, Chemistry	3.00
14	Enabling Teachers to Identify and Manage Students with Invisible Disabilities	PHEC TRGP	Dr. Bushra Akram	Asst. Prof. Psychology	3.00
15	Research Papers Categorization of Pakistani Authors to Evaluate Useful Research for Industry	PHEC TRGP	Dr. Fiaz Majeed	Assistant Prof. Statistics	2.10
16	Impact Assessment of Free Laptop Scheme on Youth Development in Punjab: A Social, Economic and Political Perspective	PHEC TRGP	Dr. Sami Ullah	Assistant Prof. Economics	2.76

Sr. No.	Title of the Project	Project Type	Name of PI	Designation & Department of PI	Total Funds Requested (Rs Million)
Projects of Thematic Research Grants Program - Punjab Higher Education Commission					
17	Synthesis of Activated Charcoal from Indigenous Agricultural By-Products for Local Water Purifying Industries	PHEC TRGP	Dr. Muhammad Hamayun	Assistant Prof. Chemistry	2.97
18	Media education and Industry Linkages: Challenges & Prospects in Pakistan	PHEC TRGP	Dr. Zahid Yousaf	Associate Professor, Mass Com	2.98
19	Population Environmental Nexus: Developing an Insight for Devising Policy Guidelines for "Small and Medium-Sized Cities"	PHEC TRGP	Dr. Rashid Saeed	Associate Professor Environmental Sciences	2.50
20	Development of Platform for Pilot Scale Production of Enzymes of Economic Importance Particularly Proteases Involved in Ecofriendly Leader Processing in Pakistan	PHEC TRGP	Dr. Nadia Zeeshan	Assistant Professor, Biochemistry and Molecular Biology	2.98
US-Pakistan Center for Advanced Studies in Agriculture & Food Security					
01	Production of Beverages from Barley	US-Pakistan Center for Advanced Studies in Agriculture & Food Security	Dr. M Suleman Tahir	Dean, Faculty of Engineering and Technology	-
02	Integrated Weed Management in Wheat-Rice Cropping System in Different Agro-Environments of Pakistan	US-Pakistan Center for Advanced Studies in Agriculture & Food Security	Dr. Muhammad Akbar	Assistant Professor, Department of Botany	-
03	Photochemical Analysis of Fertilizers and Pesticides in Fruits and Vegetables	US-Pakistan Center for Advanced Studies in Agriculture & Food Security	Engr Dr. .Naeem Abbas Kalair	Assistant Professor, Department of Electrical Engineering	-

Sr. No.	Title of the Project	Project Type	Name of PI	Designation & Department of PI	Total Funds Requested (Rs Million)
US-Pakistan Center for Advanced Studies in Agriculture & Food Security					
04	Conservation of Wild Genetic Resources and Traditional Knowledge of Central Punjab, Pakistan under Category Food Insecurity, Diet Diversity and Consumption Habits	US-Pakistan Center for Advanced Studies in Agriculture & Food Security	Dr. Muhammad Sajjad Iqbal	Associate Professor, Department of Botany	-
05	Integrated Pest Management with Multi-Spectral Pest Scouting	US-Pakistan Center for Advanced Studies in Agriculture & Food Security	Dr. Muhammad Wasif	Assistant Professor, Department of Electrical Engineering	-
06	Identification of Resistant Genes and Development Molecular Markers Against Strips Rust of Wheat in Breeding Programs to Develop Resistant Wheat Cultivates	US-Pakistan Center for Advanced Studies in Agriculture & Food Security	Dr. Khalid Hussain	Assistant Professor, Department of Botany	-
US-Pakistan Center for Advanced Studies in Agriculture & Food Security					
01	US-Pakistan Collaboration for Faculty Exchange in Teaching and Research	College of Education and Human Development (CEHD), George Mason University, USA	Dr. Muhammad Bashir Gondal	Assistant Professor, Department of Education	-
COMSTECH-TWAS					
01	Application of Biochar to Rehabilitate Degrade Soils and Sequester Carbon in Agriculture Soils	COMSTECH-TWAS	Dr. Kiran Hina	Assistant Professor, Environmental Sciences	-
02	Ferrocene Based Single Source Precursors for Nanomaterials Synthesis and its Environmental Applications	COMSTECH-TWAS	Dr. Ataf Ali Altaf	Assistant Professor, Chemistry	12000 USD

Sr. No.	Title of the Project	Project Type	Name of PI	Designation & Department of PI	Total Funds Requested (Rs Million)
Pak-Sri Lanka Joint Research Programmes					
01	Screening of Fagonia species for the anti-diabetic agents	Pak-Sri Lanka Joint Research Programmes	Dr. Hammad Ismail	Lecturer (Department of Biochemistry and Biotechnology)	38900 USD
National Academy of Sciences Engineering and Medicines, USA					
01	Development of Microbial Bioremediation Technologies for Industrial Waste Treatment	National Academy of Sciences Engineering and Medicines, USA	Dr. Nadia Zeeshan	Assistant Professor Department of Biochemistry and Biotechnology	–
Agricultural Linkage Program, NARC, Islamabad					
01	Comparative Efficacy of Silver Nano pesticides and Extracts of Achyranthes Aspera (Puth Kanda), Tribulus Terrestris and Moringa Olifera on Mosquito Larvae	ALP-NARC	Dr. Sumera Afsheen	Associate Professor, Zoology	5 Million PKR
02	Optimization of Bioavailability and Plant Uptake of Zinc and its Impact on Growth and productivity of Tomato Grown in Zinc Deficient Soil	ALP-NARC	Dr. Hira Munir	Assistant Professor Department of Biochemistry and Biotechnology	1.5 Million PKR
Programme of Cooperation in Science & Technology Between the Ministries of Science and Technology of Pakistan and Iran					
01	Synthesis of plant based Nanoparticles and Investigation of their Toxicity Invitro and In Vivo for the application in Medical purpose	POC Pak-Iran	Dr. Hira Munir	Assistant Professor Department of Biochemistry and Biotechnology	5000 Euro



Publications

The ORIC believes that journal publications play essential 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 research journals during 2016-17. 126 research papers / articles were published in 2016 and 195 published in ISI-indexed journals in 2017 as per following details:

UOG faculty members are enthusiastically involved in disseminating their research efforts in well-known national and international research journals during 2016-17. Details are mentioned under below:

Publications 2016 (126)

Danish, M; Butt, RA; Akbar, S; Ashfaq, M; Smith, G
Synthesis and crystal structures of the Nickel(II) and [Tri(n-butyl)] tin(IV) complexes with the new sulfonamide carboxylic acid, 4-((2-nitrophenylsulfonamido) methyl} cyclohexane carboxylic acid
 Journal of Chemical Crystallography

Khalid, NR; Ahmed, E; Ahmad, M; Niaz, NA; Ramzan, M; Shakil, M; Iqbal, T; Majid, A
Microwave-assisted SYN thesis of Ag-TiO₂/graphene composite for hydrogen production under visible light irradiation
 Ceramics International

Murtaza, S; Abbas, A; Iftikhar, K; Shamim, S; Akhtar, MS; Razzaq, Z; Naseem, K; Elgorban, AM

biological activities and docking studies of novel 2,4-dihydroxybenzaldehyde based Schiff base
 Medicinal Chemistry Research

Ali, S; Rizwan, M; Ullah, N; Bharwana, SA; Waseem, M; Farooq, MA; Abbasi, GH; Farid, M
Physiological and biochemical mechanisms of silicon-induced copper stress tolerance in cotton (*Gossypium hirsutum* L.)
 Acta Physiologiae Plantarum

Altaf, AA; Hashmat, U; Yousaf, M; Lal, B; Ullah, S; Holder, AA; Badshah, A
Synthesis and characterization of azo-guanidine based alcoholic media naked eye DNA sensor
 Royal Society Open Science

Butt, Z; Shah, SMA; Afzal, M; Younis, I; Waqas, M; Atta, H
Frequency of different types of gastric varices in patients with cirrhosis due to chronic hepatitis C
 Journal of the Pakistan Medical Association

Duester, L; Fabricius, AL; Jakobtorweihen, S; Philippe, A; Weigl, F; Wimmer, A; Schuster, M; Nazar, MF
Can cloud point-based enrichment, preservation, and detection methods help to bridge gaps in aquatic nanometrology?
 Analytical and Bioanalytical Chemistry

Mirza, FM; Bergland, O; Khatoon, I
Measuring the degree of competition in Pakistan's banking industry: an empirical analysis
 Applied Economics

Iqbal, T; Ali, W
Synthesis and characterization of carbon based polymer Nano composites for enhanced conductivity
 Journal of Ovonic Research

Majid, A; Imtiaz, A; Yoshiya, M
A density functional theory study of electronic and magnetic properties of rare earth doped monolayered molybdenum disulphide
 Journal of Applied Physics

Majid, A; Tanveer, M; Rana, UA; Khan, SUD; Kousar, S
Facile synthesis of Mn-doped CdTe nanoparticles: structural and magnetic properties
 Journal of Superconductivity And Novel Magnetism

Qureshi, MI; Awan, U; Arshad, Z; Rasli, AM; Zaman, K; Khan, F
Dynamic linkages among energy consumption, air

pollution, greenhouse gas emissions and agricultural production in Pakistan: sustainable agriculture key to policy success

Natural Hazards

Iqbal, T; Afsheen, S

Coupling efficiency of surface plasmon polaritons for 1D plasmonic gratings: Role of under- and over-milling

Plasmonics

Kayani, WK; Dilshad, E; Ahmed, T; Ismail, H; Mirza, B
Evaluation of *Ajuga bracteosa* for antioxidant, anti-inflammatory, analgesic, antidepressant and anticoagulant activities

BMC Complementary and Alternative Medicine

Bhatti, SM; Khan, MS; Wuth, J; Huenupan, F; Curilem, M; Franco, L; Yoma, NB

Automatic detection of volcano-seismic events by modeling state and event duration in hidden markov models

Journal of Volcanology and Geothermal Research

Ali, A; Raza, Z; Bhatti, AA

Bond incident degree (BID) indices of polyomino chains: A unified approach

Applied Mathematics and Computation

Mukhtar, H; Khursheed, S; Ikram-ul-Haq; Mumtaz, MW; Rashid, U; Al-Resayes, SI

Optimization of lipase biosynthesis from *rhizopus oryzae* for biodiesel production using multiple oils

Chemical Engineering & Technology

Pedurupillay, CRJ; Amundsen, SS; Baroy, T; Rasmussen, M; Blomhoff, A; Stadheim, BF; Orstavik, K; Holmgren, A; Iqbal, T; Frengen, E; Misceo, D; Stromme, P

Clinical and molecular characteristics in three families with biallelic mutations in *IGHMBP2*

Neuromuscular Disorders

Sagir, M; Tan, IM; Mushtaq, M; Pervaiz, M; Tahir, MS; Shahzad, KCO2 mobility control using

Co2 philic surfactant for enhanced oil recovery

Journal of Petroleum Exploration and Production Technology

Abbas, N; Shao, GN; Imran, SM; Haider, MS; Kim, HT
Inexpensive synthesis of a high-performance $\text{Fe}_3\text{O}_4\text{-SiO}_2\text{-TiO}_2$ photocatalyst: Magnetic recovery and reuse

Frontiers of Chemical Science and Engineering

Zhang, M; Zheng, P; Zeng, Z; Wang, R; Shan, XY; He, ZF; Abbas, G; Ji, JY

Physicochemical characteristics and microbial community of cultivated sludge for nitrate-dependent anaerobic ferrous-oxidizing (NAFO) process

Separation and Purification Technology

Ashraf, NM; Bilal, M; Mahmood, MS; Hussain, A; Mehboob, MZ

In-silico analysis of putative HCV epitopes against Pakistani human leukocyte antigen background: An approach towards development of future vaccines for Pakistani population

Infection Genetics and Evolution

Ashraf, BN; Bibi, B; Zheng, CJ

How to regulate bank dividends? Is capital regulation an answer?

Economic Modelling

Majid, A; Azmat, M; Rana, UA; Khan, SUD; Alzahrani, E
A computational study of magnetic exchange interactions of 3d and 4f electrons in Ti-Ce co-doped AlN

Materials Chemistry and Physics

Majid, A; Asghar, F; Rana, UA; Khan, SUD; Yoshiya, M; Hussain, F; Ahmad, I

Role of nitrogen vacancies in cerium doped aluminum nitride

Journal of Magnetism and Magnetic Materials

Abbas, A; Murtaza, S; Tahir, MN; Shamim, S; Sirajuddin, M; Rana, UA; Naseem, K; Rafique, H

Synthesis, antioxidant, enzyme inhibition and DNA binding studies of novel N-benzylated derivatives of sulfonamide

Journal of Molecular Structure

Sajid, M; Khan, MR; Shah, NA; Shah, SA; Ismail, H; Younis, T; Zahra, Z

Phytochemical, antioxidant and hepatoprotective effects of *Alnus nitida* bark in carbon tetrachloride challenged Sprague Dawley rats

BMC Complementary and Alternative Medicine

Ghaffar, A; Abbas, G

Adsorption of phthalic acid esters (PAEs) on chemically aged biochars

Green Processing and Synthesis

Khan, SUR; Lee, SP; Dabbagh, M; Tahir, M; Khan, M; Arif, M

RePizer: a framework for prioritization of software requirements

Frontiers of Information Technology & Electronic Engineering

Kaila, A; Asam, Z; Koskinen, M; Uusitalo, R; Smolander, A; Kiikkila, O; Sarkkola, S; O'Driscoll, C; Kitunen, V; Fritze, H; Nousiainen, H; Tervahauta, A; Xiao, LW; Nieminen, M

Impact of re-wetting of forestry-drained peatlands on water quality-a laboratory approach assessing the release of P, N, Fe, and dissolved organic carbon
Water Air and Soil Pollution

Montes-Atenas, G; Seguel, F; Valencia, A; Bhatti, SM; Khan, MS; Soto, I; Yoma, NB

Predicting bubble size and bubble rate data in water and in froth flotation-like slurry from computational fluid dynamics (CFD) by applying deep neural networks (DNN)

International Communications in Heat and Mass Transfer

Nazar, MF; Azeem, W; Rana, UA; Ashfaq, M; Lashin, A; Al-Arifi, N; Rahman, HMA; Lazim, AM; Mahmood, A
pH-dependent probing of levofloxacin assimilated in surfactant mediated assemblies: Insights from photoluminescent and chromatographic measurements
Journal of Molecular Liquids

Naeem, A; Ullah, A; Mahmood, T; Iqbal, Y; Mahmood, A; Hamayun, M

Effect of $(\text{Ca}_{0.8}\text{Sr}_{0.2})_{0.6}\text{La}_{0.267}\text{TiO}_3$ on phase, microstructure, and microwave dielectric properties of $\text{Mg}_{0.95}\text{Zn}_{0.05}\text{TiO}_3$ synthesized by polymeric precursor method

Journal of Electronic Materials

Shao, GN; Jeon, SJ; Haider, MS; Abbass, N; Kim, HT
Investigation of the influence of vanadium, iron and nickel dopants on the morphology, and crystal structure and photocatalytic properties of titanium dioxide based nanopowders

Journal of Colloid and Interface Science

Shakil, M; Zafar, M; Ahmed, S; Hashmi, MRUR; Choudhary, MA; Iqbal, T

Theoretical calculations of structural, electronic, and elastic properties of $\text{CdSe}_{1-x}\text{Te}_x$: A first principles study

Chinese Physics B

Mushtaq, M; Tan, IM; Sagir, M; Tahir, MS; Pervaiz, M
A novel hybrid catalyst for the esterification of high

FFA in Jatropha oil for biodiesel production

Grasas Y Aceites

Khan, MI; Jiang, RQ; Kiciak, A; Rehman, JU; Afzal, M; Chow, JCL

Dosimetric and radiobiological characterizations of prostate intensity-modulated radiotherapy and volumetric-modulated arc therapy: A single-institution review of ninety cases

Journal of Medical Physics

Iqbal, T; Ghazal, S; Atiq, S; Khalid, NR; Majid, A; Afsheen, S; Niaz, NA

Influence of manganese on structural, dielectric and magnetic properties of ZNO nanoparticles

Digest Journal of Nanomaterials and Biostructures

Ramakrishnan, S; Hishan, SS; Nabi, AA; Arshad, Z; Kanjanapathy, M; Zaman, K; Khan, F

An interactive environmental model for economic growth: evidence from a panel of countries

Environmental Science and Pollution Research

Li, MY; Sun, Q; Li, Y; Lv, M; Lin, LF; Wu, Y; Ashfaq, M; Yu, CP

Simultaneous analysis of 45 pharmaceuticals and personal care products in sludge by matrix solid-phase dispersion and liquid chromatography tandem mass spectrometry

Analytical and Bioanalytical Chemistry

Altaf, AA; Lal, B; Badshah, A; Usman, M; Chatterjee, PB; Huq, F; Ullah, S; Crans, DC

Synthesis, structural characterization, modal membrane interaction and anti-tumor cell line studies of nitrophenyl ferrocenes

Journal of Molecular Structure

Chatha, SAS; Hussain, AI; Ali, S; Saif, MJ; Mallhi, AI; Sagir, M; Naz, MY

Significance of chitosan to improve the substantively of reactive dyes

Journal of the Chilean Chemical Society

Saeed, M; Haq, A; Muneer, M; Adeel, S; Hamayun, M; Ismail, M; Younas, M; Siddique, M

Degradation of direct black 38 dye catalyzed by lab prepared nickel hydroxide in aqueous medium

Global Nest Journal

Shamim, S; Murtaza, S; Nazar, MF

Synthesis of Schiff bases of pyridine-4-carbaldehyde and their antioxidant and DNA binding studies

Journal of the Chemical Society of Pakistan

Suleman, M; Wu, QB; Abbas, G

Approximate analytic solution of (2 + 1) dimensional coupled differential Burger's equation using Elzaki Homotopy Perturbation Method

Alexandria Engineering Journal

Iqbal, S; Altaf, W; Aslam, M; Mahmood, W; Khan, MUG

Application of intelligent agents in health-care: review

Artificial Intelligence Review

Ejaz, R; Ansari, MS; Rakha, BA; Husna, AU; Qadeer, S; Iqbal, R; Ullah, N; Akhter, S

Cholesterol supplementation In extender improves quality of frozen-thawed Nili-Ravi buffalo bull semen

Buffalo Bulletin

Ansari, MS; Rakha, BA; Akhter, S

Effect of thioglycol on fertility of frozen Nili-Ravi buffalo semen

Buffalo Bulletin

Ahmad, F; Hussain, A; Chaudhary, SU; Ahmad, I; Ramay, SM

A novel method for detection of voxels for decision making: An fMRI study

International Journal of Imaging Systems and Technology

Iqbal, T; Afsheen, S

Plasmonic band gap: Role of the slit width in 1d metallic grating on higher refractive index substrate

Plasmonics

Kalair, A; Abas, N; Khan, N

Comparative study of HVAC and HVDC transmission systems

Renewable & Sustainable Energy Reviews

Majid, A; Ghaffar, Z; Rana, UA; Khan, SUD; Yoshiya, M

A density functional theory study of electronic properties of substitutional alloying of monolayer MoS₂ and CeS₂ surface models

Computational and Theoretical Chemistry

Khaliq, A; Ali, S; Hameed, A; Farooq, MA; Farid, M; Shakoar, MB; Mahmood, K; Ishaque, W; Rizwan, M

Silicon alleviates nickel toxicity in cotton seedlings through enhancing growth, photosynthesis, and suppressing Ni uptake and oxidative stress

Archives of Agronomy and Soil Science

Jabeen, N; Abbas, Z; Iqbal, M; Rizwan, M; Jabbar, A; Farid, M; Ali, S; Ibrahim, M; Abbas, F

Glycinebetaine mediates chromium tolerance in mung bean through lowering of Cr uptake and improved antioxidant system

Archives of Agronomy and Soil Science

Khan, RRM; Adnan, A; Pervaiz, M; Raza, MA; Sagir, M; Naz, MY

Biodegradation of H acid by bacillus subtilis and RP-HPLC method development for percent degradation estimation

Russian Journal Of Physical Chemistry B

Al-Zuaidy, MH; Hamid, AA; Ismail, A; Mohamed, S; Razis, AFA; Mumtaz, MW; Salleh, SZ

Potent antidiabetic activity and metabolite profiling of melicope lunu-ankenda leaves

Journal of Food Science

Farooq, MA; Ali, S; Hameed, A; Bharwana, SA; Rizwan, M; Ishaque, W; Farid, M; Mahmood, K; Iqbal, Z

Cadmium stress in cotton seedlings: physiological, photosynthesis and oxidative damages alleviated by glycinebetaine

South African Journal of Botany

Sun, Q; Li, Y; Li, MY; Ashfaq, M; Lv, M; Wang, HJ; Hu, AY; Yu, CP

PPCPs in Jiulong River estuary (China): Spatiotemporal distributions, fate, and their use as chemical markers of wastewater

Chemosphere

Haider, MS; Shao, GN; Imran, SM; Park, SS; Abbas, N; Tahir, MS; Hussain, M; Bae, W; Kim, HT

Aminated polyethersulfone-silver nanoparticles (AgNPs-APES) composite membranes with controlled silver ion release for antibacterial and water treatment applications

Materials Science & Engineering C-Materials for Biological Applications

Khan, N; Abas, N; Kalair, A

Multiline distributed feedback dye laser endorses Wien's displacement law

Applied Physics B-Lasers and Optics

Akhtar, MS; Ismail, A; Murtaza, S; Tahir, MN; Shamim, S; Rana, UA

Biological and docking studies of sulfonamide derivatives of 4-aminophenazone

Journal of the Chemical Society of Pakistan

Zafar, MN; Nazar, MF; Sumrra, SH; Gul-E-Saba; Yasmin, A; Atif, AH

Development of some important nitrogen donor ligands for transition metal homogeneous catalysis
Russian Journal of Coordination Chemistry

Firdous, S; Anwar, S; Waheed, A; Maraj, M
Optical characterization of pure vegetable oils and their biodiesels using Raman spectroscopy
Laser Physics

Ahmad, S; Mustafa, M; Ullah, A
Association of demographics, motives and intensity of using Social Networking Sites with the formation of bonding and bridging social capital in Pakistan
Computers in Human Behavior

Iqbal, T; Afsheen, S
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Chemical Engineering Research and Design

Shoaib Rauf and Nasrullah Khan
[Application of DC-AC Hybrid Grid and Solar Photovoltaic Generation with Battery Storage Using Smart Grid](#)

International Journal of Photoenergy

Muhammad Imran, Zahid Anwar, Muddassar Zafar, Muhammad Irshad, and Tahir Iqbal
[Hyper-Productivity, Characterization, and Exploitation of a Cellulase Complex from a Novel Isolate of Aspergillus tubingensis S2 using Lignocellulose-based Material](#)

Bioresources

Shahzad Hussain Shah, Azka Noureen, Farah Deebe, Tasawar Sultana, Stefanie Dukowic-Schulze, Changbin Chen, and Syed Muhammad Saqlan Naqvi
[Transgenic Analysis Reveals 5' Abbreviated OsRGLP2 Promoter\(s\) as Responsive to Abiotic Stresses](#)

Molecular Biotechnology

Khizar Hussain Shah, Syed Mustafa, Muhammad Waseem, Muhammad Hamayun, Faheem Shah, Wajid Rehman, and Abdur Rahman Khan
[Competitive exchange of Cr \(III\) sorption on macroporous Amberlyst.15 \(H\)](#)

Materials Research Express

C. Y. Zhang, S. W. Wu, K. Hussain, M. X. Fan, C. Liu, W. J. Ma, M. M. Chen, and F. Lin
[Genetic Diversity and Population Structure Among 98 Maize Inbred Lines Investigated With SSR Markers](#)

Applied Ecology and Environmental Research

Khalid Iqbal, Muhammad Anwar Baig, and Sher Jamal Khan
[Estimation of Physico-Chemical Characteristics of Suspended Particulate Matter \(SPM\) at Construction Sites: A Statistical Regression-Based Model](#)

Journal of Chemical Society of Pakistan

Humaira Rafique, Aamer Saeed, Shahzad Murtaza, Ehsan Ullah Mughal, Amara Mumtaz, and Aneela Maalik.
[Facile Synthesis and Antibacterial Investigation of New Ethyl 4-\[2-benzamido-4-methylthiazol-3\(2H\)-yl\] benzoates.](#)

Acta Poloniae Pharmaceutica-Drug Research

M Waseem Mumtaz, Azizah Abdul Hamid, Muhammad Tayyab Akhtar, Farooq Anwar, Umer Rashid, and Mizher Hezam AL-Zuaidy

An overview of recent developments in metabolomics and proteomics – phytotherapeutic research perspectives

Frontiers in Life Science

Faiz Miran, Muhammad Waseem Mumtaz, Hamid Mukhtar, and Muhammad Danish

Response Surface Methodology Based Optimized Purification of the Residual Glycerol from Biodiesel Production Process

Chiang Mai Journal of Science

Muhammad Asam Raza, Muhammad Danish, Mahvish Mushtaq, Sajjad Hussain Sumrra, Zenab Saqib, Shafiq Ur Rehman

Phenolic profiling and therapeutic potential of local flora of Azad Kashmir; In vitro enzyme inhibition and antioxidant

Open Chemistry

Shahzad Murtaza1, Muhammad Shoaib Akhtar, Ayesha Aslam, Tauqeer Riaz and Naghmana Kousar

Schiff Bases of 2,4-Dihydroxybenzaldehyde as Potential Anticonvulsant Compounds; In vivo and Docking Studies.

Acta Poloniae Pharmaceutica-Drug Research

Hammad Ismaeel, Ammara Rasheed, Ihsan-ul Haq, Laila Jafri, Nazif Ullah, Erum Dilshad, Moniba Sajid, and Bushra Mirza

Five indigenous plants of Pakistan with anti-

nociceptive, anti-inflammatory, anti-depressant and anti-coagulant properties in Sprague Dawley rats

Evidence-based Complementary and Alternative Medicine

M Danish, Mehrban Ashiq, and Muhammad Faizan Nazar.

Physicochemical investigation of sulfonamide-derived compounds interacting with conventional cationic surfactants in aqueous media

Journal of Dispersion Science and Technology

Hafiz Muhammad Abd Ur Rahman, Saira Afzal, Muhammad Faizan Nazar, Dildar Ahmed Alvi, Asad Muhammad Khan, and Muhammad Nadeem Asghar

Phase behavior of a TX-100/oleic acid/water based ternary system: A microstructure study

Journal of Molecular Liquids

N. Khan, A. Kalair, N. Abas, and A. Haider

Review of ocean tidal, wave and thermal energy technologies

Renewable & Sustainable Energy Reviews

Syed Naeem Razzaq, Muhammad Ashfaq, Irfana Mariam, Islam Ullah Khan, Syed Saleem Razzaq, and Ghulam Mustafa.

Stability indicating RP-HPLC method for simultaneous determination of ciprofloxacin and dexamethasone in binary combination.

Journal of the Chilean Chemical Society



National Conferences, Seminars and Workshops 2016-17

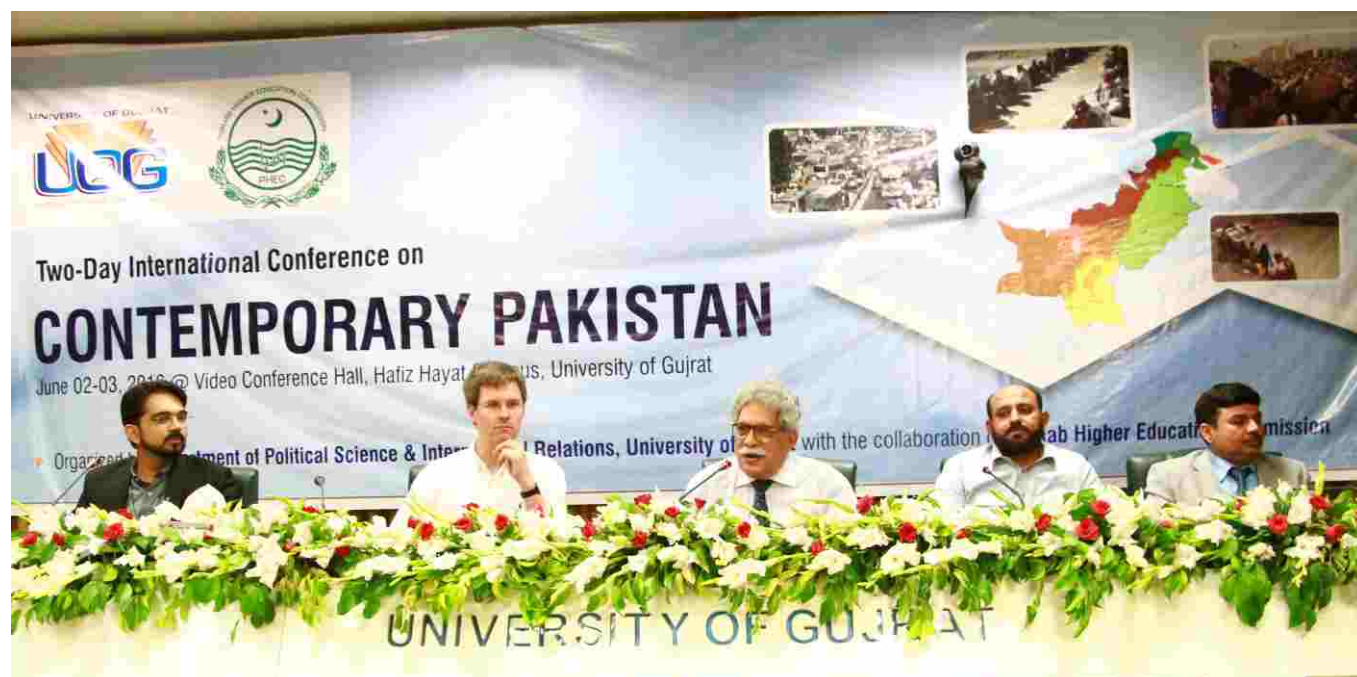
Academic events are critical for sharing of knowledge and research among universities and scholars. The promotion of research culture in higher education institutions through such events is of the highest priority to ORIC. Therefore, a number of trainings, workshops, symposiums and seminars were held in the premises of the university with support of the ORIC.

In addition to support provided for approval by the Competent Authority, the ORIC extended all-out assistance to many departments and faculties for arrangement of seminars, workshops, symposiums and conferences.

List of Conferences, Seminars, Exhibitions and Workshops (ORIC Supported)

Sr. No.	Title	Nature of Event	Collaborating Agency	Date
01	Capacity Building of the Social Change Agents: Heads & Teachers of Elementary Schools from Public and Private Sector	Workshop	UOG & HEC	12-16/7/2016
02	Finger Printing Analysis of Industrially Important Medicinal Plants through Protein and DNA Markers	Workshop	HEC	03-05/10/2016
03	Campus Governance & Innovative Strategies for Quality Improvement in Universities	Workshop	Quality and Productivity Society of Pakistan (QSPR)	03-05/10/2016
04	Emerging Trends, Challenges and Implementation of Psychology in Community	National Conference	Young Students Foundation, Gujrat	08-09/12/2016
05	Intellectual Property Rights Managements	Seminar	ORIC	14/12/2016
06	Capacity Building and Teaching of Farmer Community through Transfer of Production Technology of Medicinal and Industrial Plants	Workshop	Department of Botany-UOG	22/12/2016
07	One Day Seminar on "DFT Approach in Spintronics"	Seminar	ORIC-UOG	06/01/2017
08	Coal Slurry as Alternative Field with Enhanced Combustion Efficiency and Utilization of Low Rank Pakistan Oil	Seminar	ORIC-UOG	11/01/2017
09	Emerging Trends in Material Science	Seminar	ORIC-UOG	13/01/2017
10	Heterogeneous Photocatalysis for Energy and Environmental Applications	Seminar	ORIC-UOG	20/01/2017
11	Project / Product Competition /Exhibition YIP 2017	Exhibition/Competition	ORIC-UOG	27/01/2017

Sr. No.	Title	Nature of Event	Collaborating Agency	Date
12	Modern Approaches to Tackle Energy Crisis	Seminar	ORIC-UOG	27/01/2017
13	Creating an Innovation Ecosystem in Universities	Seminar	ORIC-UOG	09/02/2017
14	Modern Trends in Radio Therapy	Seminar	ORIC-UOG	02/03/2017
15	Global Health Challenges and Indigenous Solution in the Current Dynamics of Pakistan (MEDCONNSMCUOG 2017)	International Conference	HEC	03-05/03/2017
16	Plants: Their Chemical and Biological Applications for Today and Tomorrow	International Conference	HEC	07-09/03/2017
17	Chromatography & Mass Spectrometry	Workshop	ORIC-UOG	29-30/03/2017
18	HPLC Hands-on Training for Biomolecules Analysis	Training	ORIC-UOG	19-20/04/2017
19	Prospects of Medicinal and Aromatic Plants Cultivation and Use of Modern Research Techniques	Training/ Workshop	UOG	04/05/2017
20	Two-day SPSS Workshop on Statistical/ Experimental Designs	Workshop	ORIC-UOG	22-23/05/2017



Research Journals:

Pakistan Journal of Languages and Translation Studies (PJLTS)

HEC Recognized Multidisciplinary 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 fields like Art and History of Translation and its applications in various fields of knowledge and human endeavor, 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. 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.

Research Collaborations

UOG developed academic as well as research collaboration with other renowned institutes/ universities, industries and organizations at national and international level for extending research activities jointly for collective purpose, i.e., education and market orientation.

Indigenous

List of Indigenous Research Collaboration

Sr. No.	Name of host Department	Collaborating Agency/ Institution	Scope of Collaboration	Date of Link Established
01	Dr. Muhammad Irshad HOD, Biochemistry & Biotechnology, UOG	Gujranwala Institute of Nuclear Medicine & Radiotherapy	Recognition of mutual scientific, medical and technical cooperation.	14/02/ 2017
02	Dr. Abdul Majid Department of Physics, UOG	COMSATS Institute of Information Technology	Synthesis and Characterization of Nanocomposites for Improving the Working/Efficiency of Electrochemical Energy Devices	10/03/ 2017
03	Department of Biochemistry & Molecular Biology, UOG	National Institute for Genomics and Advance Biotechnology (NIGAB)	Joint Research opportunity under National Research Programme for Universities	05/04/ 2017

Foreign Linkages

List of Foreign Research Collaboration

Sr. No.	Name of host Department	Collaborating Agency/ Institution	Scope of Collaboration	Date of Link Established
01	Dr. Shahzad Murtaza Department of Chemistry, UOG	Institute of Organic Chemistry, Innsbruck, Austria	Knowledge on the Chemistry of Vitamin B12.	30/08/2016
02	Dr. Abdul Majid, Department of Physics UOG	Dr. Usman Ali Rana & Dr. Salah Ud-Din Khan, Sustainable Energy Technologies Center King Saud University, Saudi Arabia	Joint agreement, determine the areas and subjects of collaboration	21/09/2016
03	SADA, UOG	60 Second Intl. Film Festival	Film Festival	18/11/2016
04	Dr. Khalid Hussain Department of Botany, UOG	Shenyang Agricultural University, China	Lab Work, Publications and Training of Scientists	10/05/2017
05	Mr Mujahid Farid Department of Environmental Sciences, UOG	University of Glasgow	Scholarship Programme	02/06/2017

Funding Agencies for R&D

The university faculty has 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 interests in the field of research. The list of funding Agencies is given as follows:

- Higher Education Commission of Pakistan
- Punjab Higher Education Commission
- Pakistan Science Foundation
- National ICT R&D Fund
- Pak-US Joint Academic & Research Program
- TWAS-COMSTECH Joint Research Grants
- Human Frontier Science Program
- International Foundation for Science
- 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
- HEC-NRPU
- COMSTECH-WHO/EMRO Research Grants Program
- COMSTECH-TWAS Program for Young Scientists in ORIC
- COMSTECH-IFS Research Grants Program
- CORDIS
- DAAD Research Grants for Young Faculty of Pakistani Universities (PhD-students and

postdoc

- PAKISTAN-U.S. 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
- Terra Viva Grants
- Fogarty International Center
- WWF Student Research Grant Programme
- Pakistan Academy of Science
- USIP Grants for Pakistan
- Research and Advocacy Fund
- US Government Small Grant Funding Opportunities
- Global Investigator-Initiated Research (IIR) Program
- GEF Small Grants Program Pakistan
- ICGEB Research Grants

Operation of Office of Research, Innovation & Commercialization

ORIC is striving hard to promote and strengthen the research culture in all disciplines of UOG to bring it at par with other institutions of higher learning within the country and abroad. It is prodding students and faculty 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. ORIC provides end to end services for all matters pertaining to research & development, innovation, inventions, commercialization, patents, collaborations, and for arranging seminars/ symposiums/ conferences and workshops. Key role of ORIC is:

- Setting the strategic research directions and policies in accordance with the university's Research and Development (R&D) vision.
- Ensuring conducive Research and Development culture, so that research remains an integral component of academic activities at UOG.
- Encouraging and enhancing the University's Entrepreneurial Environment by strengthening university-industry relationship as well as expanding partnerships with public and private sector organizations, national and international donors and all other community-based organizations.

ORIC realizes the need to positively contribute in developing R&D and to play its role in transforming the economic focus of the country through strengthening of institution to institution and academia-industry ties. ORIC is keenly involved in establishing linkages with academia, industry and the community to carry out different projects. Besides this, ORIC has signed a number of MOUs with local and regional industries to provide them industrial solutions along with the innovative ideas. The ORIC performs certain operational activities to support the university. Some key activities are given below:

- Developing and implementing the University's research policy.
- Fund-raising for research.
- Ensuring effective distribution and efficient use of research funds, in line with the priorities identified in the University's strategic plan.
- Setting standards and ensuring effective dissemination of high quality research output.
- Representing the interests of the University.
- Registration, patenting and commercialization of intellectual property.
- Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.
- Promoting and enhancing cross-cutting and multi-disciplinary research initiatives.
- Processing the research proposals of UOG Faculty for seeking funding from HEC and other donor agencies.
- Channelizing research grant applications to the respective donor organizations and preparing technical reports thereof.
- Establishing links with donors and industry for enhancing research collaboration and sharing research results.
- Arranging and conducting seminars, conferences and training workshop programs for faculty awareness, development and faculty industry interaction.

1ST GUJRAT LITERARY FESTIVAL 2017



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Quality Assurance

Quality Enhancement Cell

Quality Enhancement Cell (QEC) at UOG was established on 03rd January, 2008 in continuation of phase III of QEC's Establishment as per guidelines of Quality Assurance Agency (QAA) of Higher Education Commission. QEC at the University of Gujrat is among one of the largest QECs in the Public Sector Universities in Pakistan. The function of the QEC is to promote quality culture in higher education by ascertaining the implementation of quality standards and continuous enhancement of the quality parameters. QEC at UOG has undertaken the responsibility of quality assurance and enhancement with great commitment and devotion.

Quality Assurance Practices at UOG

QEC has established a strong and vibrant mechanism for the implementation of quality processes and

procedures at UOG. QEC has secured great success in achieving targets of implementation of quality assuring practices during last three years at UOG. QEC at UOG is being led by Dr. Tahir Aqil who has great potential to foresee the impact of quality in education and his innovative approaches have earned applause from all quarters of UOG and QAA of HEC.

Quality enhancement practices in place at UOG include feedback surveys, program reviews, periodic assessment, auditing of courses, monitoring of classes and examinations, trainings and workshops for the promotion of quality culture. The feedback mechanism comprised 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 Ph.D program. The input thus obtained from different stakeholders is subjected to statistical analysis, which is then utilized in decision making for academic improvement. Feed Back on various QEC Surveys is reported below:

Sr. No.	Type of Evaluation	Overall Score (4)	Frequency Per Year
1	Teachers Evaluation	3.27	Twice
2	Course Evaluation	3.24	Twice
3	Faculty Satisfaction	2.71	Once
4	Alumni Survey	3.10	Once
5	Employer Survey	3.15	Once
6	Graduating Students	2.02	Once



Dr. Samar Mubarak Mand

Chief Guest
Dr. Samar Mubarak Mand



The review process is comprised of self-reviews performed at departmental level, peer review of programs by experts of national repute and external review by quality assurance bodies is carried out to assess our strengths and enhance our capabilities. The program appraisal includes review of program objectives, outcomes, curriculum, institutional facilities and institutional support which are all accomplished through a systemized process of Self-Assessment of Programs. This periodic assessment ensures continuous improvement in the program segments evaluated by assessment teams indicating clearly the areas which need improvement. More than 85% programs offered at HH Campus have been reviewed by Assessment Team.

Membership and Accreditations

QEC has acquired membership of 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. 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), National Accreditation Council for Teacher Education (NACTE), National Business Education Accreditation Council (NBEAC), Pakistan Bar Council (PBC) and Pakistan Council of Architects and Town Planner (PCATP). Moreover, Director QEC being member of 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 QEC at UOG have secured remarkable

success during last year. QEC was placed in “w” category of QECs with the score of 86.17/100. This has been achieved by vigorous efforts made by the cell to monitor, evaluate and report the performance to the stakeholders of higher education with the objective to develop and strengthen quality culture at UOG.

Key Achievements

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

1. Evaluation of Self-Assessment Reports by Assessment Teams (More than 90 programs have been assessed by AT)
2. Course Files Auditing (More than 1400 Course files of 430 plus faculty members have been audited in Fall 2016 and Spring 2017)
3. Monitoring of Classes to ensure class conduct
4. Monitoring of Examinations
5. Monitoring of Admissions
6. Trainings of PT members
7. Training Workshops for Chairpersons/ HoDs, Faculty and Developmental QEC focal persons.
8. Participation in seminars, conferences and training sessions held by various organization
9. Promotion of quality assurance practices through print media.
10. Establishment of QEC at Sub Campuses, PPP Campuses and affiliated Colleges
11. MS/M.Phil/Ph.D Program Review.

In addition to above mentioned activities QEC also performs various tasks assigned by the competent authority for the assurance of quality.

Future Outlook

The maintenance and assurance of quality in teaching-learning experience has a diversified notion and need periodic assessment based on feedback mechanism. The major ingredients of programs are inputs and processes (student intake, teaching methodologies, academic staff, infrastructural support, diversification and relevance of curriculum) which need to be assessed on quality parameters. In

this regard, QEC plans to adopt several other innovative initiatives in order to protect the interests of stakeholders regarding quality of education at UOG.

There are about fifty three undergraduate programs offered at main campus at Hafiz Hayat and constituent colleges in various disciplines of formal and professional education. UOG offers more than twenty eight research degree programs (M Phil and Ph. D. programs) in various disciplines including Basic Sciences, Social Sciences, Engineering, Computer Science and Information Technology, Commerce and Business Management, Art & Design and Education. The university has more than hundred affiliated colleges spread well over Punjab province and Federal Capital.

The successful launch of such a great number of programs in diversified fields of specialization is highly commendable and indicates visionary outlook of the authority in higher education. The university top management aspires higher rank in the future due to growth and progress of programs offered at post graduate level with enhanced research output in quantitative as well as qualitative terms.





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Faculty Development

Faculty Development Programs (MS/PhD Local + Foreign)

UOG faculty comprises of men and women who are not only highly skilled scholars, but also aspiring and self-committed individuals who are persistently engaged in their own research and academic activities. Currently, more than 104 faculty members are holding PhD degree in various fields but this is not satisfactory to carry forward the academic and research activities of the university. Accordingly, UOG has launched Faculty Development Program for capacity building, professional development of faculty and staff members. Faculty Development Program has further organized / arranged diverse array of programs, i.e., trainings, workshops etc at different levels to enhance the knowledge and skills of faculty and staff members. This kind of initiatives

provides to develop better teaching and learning opportunities for the faculty members and also offers to extend research, leadership and academic and management practices. In an age where student learning is evolving and changing, it is vital to endeavor to stay contemporary with scientific developments in teaching and other educational practices. In addition, UOG is also seeking funding from HEC for sending faculty on MS/MPhil/PhD programs abroad under the project "Strengthening and Expansion of University of Gujrat and its Allied Campuses". This Human Resource Development Plan (HRD) of UOG is envisaged to improve faculty skills, knowledge, utilization of resources and reduction of dependency on external technical support. In future, it will help to produce capable graduates from the university. A brief summary of activities during the year 2016-17 is as given below:

Faculty Development Programs (MS/PhD Local + Foreign) faculty members details who obtained this opportunity during said period.

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
1	Shumaila Yousaf	Lecturer	Mathematics	PhD	Pakistan
2	Rizwan Sajid	Assistant professor	Statistics	PhD	Pakistan
3	Syed Kashif Shahid	Assistant Director	Admin	PhD	Pakistan
4	Mr. Moazzam Malik	Lecturer	English	PhD	Pakistan
5	Mr. Raza-e-Mustafa	Assistant Professor	English	PhD	Pakistan
6	Dr. Maria Nazr	Lecturer/ Demonstrator	NSMC	Mphil	Pakistan
7	Rao Qasim Idrees	Assistant professor	Law	PhD	Foreign
8	Saima Anawar	Assistant professor	English	PhD	Pakistan
9	Dr. Umar Rashid	Assistant professor	Biochemistry & molecular Biology	PhD	Foreign
10	Nazneen Zahra	Lecturer	English	M.Phil	Pakistan

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
11	Umbrin Ilyas	Lecturer	Botany	PhD	Foreign
12	Shamshad Rasool	Lecturer	English	PhD	Pakistan
13	Muhammad Zahid	Assistant professor	Mass Comm. & Media	PhD	Pakistan
14	Tahir Iqbal	Lecturer	Zoology	PhD	Pakistan
15	Awais Asif	Lecturer	Biochemistry	PhD	Foreign
16	Mehwish Riaz	Lecturer	Management Sciences	PhD	Pakistan
17	Muhammad Ali	System Analyst	Admin	PhD	Pakistan
18	Sadia Bint Raza	Lecturer	Management Sciences	PhD	Pakistan
19	Shamaila Yousaf	Lecturer	Mathematics	PhD	Pakistan
20	Rana A. Shaheed	Lecturer	English	PhD	Foreign
21	Sadia Tauseef	Lecturer	Mathematics	PhD	Pakistan
22	Naveed Anwar Butt	Assistant Professor	Computer Science	PhD	Pakistan
23	Zafar Mehmood	Assistant Professor	Computer Science	PhD	Pakistan
24	Dr. Arooj Farooq	Lecturer/ Demonstrator	NSMC	M.Phil	Pakistan
25	Dr. Zahid Azam Ch	Assistant Professor	NSMC	M.Phil	Pakistan

Returned Scholars

During 2016-17, twenty four' (24) faculty members completed their higher studies and returned to join UOG. Details are as under:

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
1	Farah Nasreen	Associate Lecturer	Commerce	Mphil	Pakistan
2	Dr. Shahida Bashir	Assistant Professor	Mathematics	PhD	China
3	Mudassar Maraj	Lecturer	Physics	PhD	China
4	Shahid Mahmood	Lecturer	Zoology	PhD	Pakistan
5	Abdul Razaq	Lecturer	Zoology	PhD	Pakistan
6	Mr. Tahir Iqbal	Lecturer	Zoology	PhD	Pakistan
7	Dr. Nouman Riaz Ch	Assistant professor	Computer Science	PhD	UK
8	Dr. Hannan Bin Liaqat	Assistant professor	IT	PhD	China
9	M. Tauqeer Baig	Lecturer	Communication Design	Mphil	Pakistan
10	Shumaila Mazhar	Lecturer	Communication Design	Mphil	Pakistan
11	Sehrish Jabeen	Lecturer	Communication Design	Mphil	Pakistan
12	Majid Ghafoor	Lecturer	Textile Design	Mphil	Pakistan
13	Dr. M. Zahid	Assistant professor	Mass Comm. & Media	PhD	Pakistan
14	Ms. Khadija Ghulam Hassain	Lecturer	English	Mphil	Pakistan
15	Engr. M. Wasif	Assistant Professor	Electronic Engineering	PhD	UK
16	Engr. Iftikhar Hussain	Lab Engineer	Electrical Engineering	MS	Pakistan

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
17	Engr Mian Rizwan	Lab Engineer	Electrical Engg.	MS	Pakistan
18	Engr Murad Hassan	Lab Engineer	Electrical Engg.	MS	Pakistan
19	Engr Waqas Jabbar	Lab Engineer	Electrical Engg.	MS	Pakistan
20	Engr. Safdar Rasool	Lab Engineer	Electrical Engg.	MS	Pakistan
21	Engr. Naeem Ullah	Lab Engineer	Mechanical Engg.	MS	Pakistan
22	Engr. M Usman	Lecturer	Mechanical Engg.	MS	Sweden
23	Nasira Parveen	Sports Officer	Physical Education	M.Phil	Pakistan
24	M. Jehanzeb Irshad Liaqat	Lecturer	Electrical Engg.	PhD	China

Present Scholars

Following faculty members started their studies during 2016-17:

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
1	Saqib Mehmood	Lecturer	Commerce	PhD	Pakistan
2	M. Ahsan Mukhtar	Lecturer	Commerce	PhD	Pakistan
3	Naveed Hassan	Lecturer	Commerce	PhD	Pakistan
4	Anam Tasawar	Lecturer	Commerce	PhD	Pakistan
5	Farah Nasreen	Associate Lecturer	Commerce	PhD	Pakistan
6	Ms Mehwish Riaz	Lecturer	Management Sciences	PhD	Pakistan
7	Ms Ayesha Nazish	Lecturer	Management Sciences	PhD	Pakistan

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
8	Mr. Mansoor Javaid	Lecturer	Management Sciences	PhD	Pakistan
9	Mr. Bilal Ijaz	Lecturer	Management Sciences	PhD	Pakistan
10	Ms. Sadia Tassadue	Lecturer	Management Sciences	PhD	Pakistan
11	Waqas Mansoor Dar	Assistant Professor	Management Sciences	PhD	China
12	Attique ur Rehman	Lecturer	Management Sciences	PhD	China
13	Tanveer A. Naveed	Assistant Professor	Economics	PhD	Pakistan
14	Ms. Salma Shaheen	Lecturer	Economics	PhD	Pakistan
15	Ms. Abre Rehmat Qurat ul Ann	Lecturer	Economics	PhD	Pakistan
16	Ms. Nishat Zafar	Associate Lecturer	Education	PhD	Pakistan
17	M. Kahif Ali	Lecturer	History	PhD	Pakistan
18	Mushtaque Ali	Lecturer	History	PhD	Pakistan
19	Syeda Sajida Batool Abbasi	Lecturer	History	PhD	Pakistan
20	Sharif Ali	Associate Lecturer	Political Science	PhD	Pakistan
21	M. Jawad Hashmi	Lecturer	Political Science	PhD	Pakistan
22	Adil Zaman	Lecturer	Political Science	PhD	Pakistan
23	Ms. Noreena Kausar	Assistant Professor	Psychology	PhD	Pakistan
24	Ms. Saima Riaz	Lecturer	Psychology	PhD	Pakistan
25	Ms. Iram Naz	Lecturer	Psychology	PhD	Pakistan

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
26	Namra Shahzadi	Lecturer	Psychology	PhD	Pakistan
27	Anila Iram	Associate Lecturer	Sociology	PhD	Pakistan
28	Umbrin Illyas	Lecturer	Botany	PhD	Canada
29	Naghmana kousar	Lecturer	Chemistry	PhD	Pakistan
30	M. Abid Dar	Lecturer	Mathematics	PhD	Germany
31	Shamaila Yousaf	Lecturer	Mathematics	PhD	Pakistan
32	Sadia Tauseef	Lecturer	Mathematics	PhD	Pakistan
33	M. Bilal Tahir	Lecturer	Physics	PhD	Pakistan
34	Mirza Rizwan Sajid	Assistant Professor	Statistics	PhD	Pakistan
35	Muhammad Farooq	Lecturer	Statistics	PhD	Germany
36	Muhammad Jabbar	Lecturer	Statistics	PhD	Pakistan
37	Zaheer Abbas Abbasi	Lecturer	Statistics	PhD	Pakistan
38	Naeem Mehmood	Lecturer	Biochemistry and Biotechnology	PhD	Pakistan
39	Rao Qasim Idrees	Assistant Professor	School of Law	PhD	Malaysia
40	Saliha Zahoor	Assistant Professor	Computer Science	PhD	Pakistan
41	Zafar Mehmood K.	Assistant Professor	Computer Science	PhD	Pakistan
42	Mr. Naveed Anwar	Assistant Professor	Computer Science	PhD	Pakistan
43	Khurram Ijaz	Lecturer	Software Engg.	PhD	Malaysia

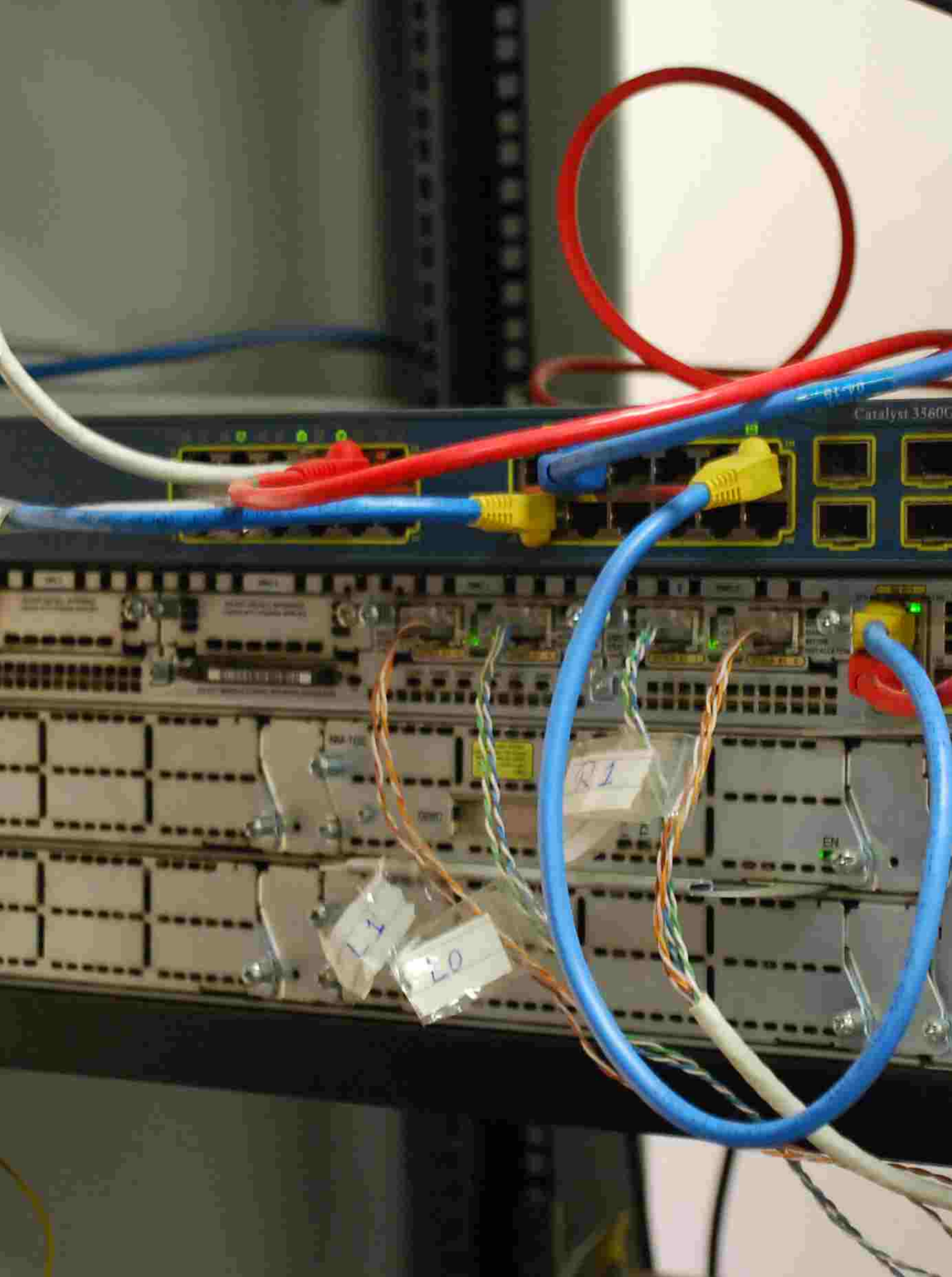
Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
44	Reema Choudary	Lecturer	Software Engg.	PhD	Pakistan
45	M. Usman Sana	Assistant Professor	IT	PhD	Pakistan
46	Maryam Ehsan	Lecturer	IT	PhD	Pakistan
47	Muhammad Shafiq	Lecturer	IT	PhD	South Korea
48	Mir Murtaza	Assistant Professor	Architecture	M.Phil.	Pakistan
49	Ayesha Anwer	Lecturer	Architecture	M.Arch	Pakistan
50	Umair Nadeem	Lecturer	Mass Comm. & Media	PhD	Pakistan
51	Munham Shehzad	F.M Manager	Mass Comm. & Media	PhD	Pakistan
52	Raza-e-Mustafa	Assistant Professor	English	PhD	Pakistan
53	Moazzam Ali Malik	Assistant Professor	English	PhD	Pakistan
54	Musarrat Alvi	Assistant Professor	English	PhD	Pakistan
55	Saima Anwar	Assistant Professor	English	PhD	Pakistan
56	Shamshad Rasool	Lecturer	English	PhD	Pakistan
57	Ahmad Shaheed	Lecturer	English	PhD	Australia
58	Nazneen Zahra	Lecturer	English	Mphil	Pakistan
59	Engr. Zubair Mehmood	Lecturer	Electrical Engineer	PhD	South Korea
60	M. Shahbaz	Lecturer	Chemical Engineer	PhD	Malaysia
61	Amreen	Superintendent	Admin	MPhil	Pakistan

Sr. No.	Name of Faculty Member	Designation	Department	Program	Country
62	Faisal Bhatti	Assistant Treasurer	Admin	Mphil	Pakistan
63	Tahira Sarwar	Network adminstartor	Admin	MPhil	Pakistan
64	Yasir Arfat	Assistant Professor	Admin	Mphil	Pakistan
65	Rizawan Talib	Associate Lecturer	Islamic Studies	Mphil	Pakistan
66	Sabeen Fatima	Associate Lecturer	Psychology	Mphil	Pakistan
67	Ayesha Sadiqa	Assistant Lecturer	Islamic studies	MPhil	Pakistan

Pre-service and In-service Professional Development Programs

Being a newly established institute, UOG constantly arranged/organized various professional development programs with cooperation of Government agencies and other prestigious institutes. Office of the Registrar, ORIC, QEC and Business Incubation Centre (BIC) are the key offices to arrange workshops, trainings etc. for faculty, staff capacity building and skill enhancement.





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Access

Basic Enrollment

More than eighteen thousand students are studying at Main Campus, i.e. Hafiz Hayat Campus, UOG, Gujrat and its City Campuses including Medical College, i.e. NSMC. In 2016-17, 4036 students got admission at main Hafiz Hayat Campus, UOG, Gujrat and its City Campuses including Medical College, i.e. NSMC in different degree programs. Out of which 51% female students belong to remote areas. Detail of basic enrollment during 2016-17 is as under:

Study Program	Male	Female	Total	Gender wise Ratio %	
				Male	Female
PhD	75	32	107	70	30
MS/MPhil/MBA(3.5 years)/LLM	358	403	761	47	53
MA/MSc	183	528	711	26	74
BS/BSc/B.Com/LLB/MBBS/B.Arch. (Undergraduate 16-17 years Education)	1257	1059	2316	54	46
Associate Degree (14 Years Education)	101	40	141	72	28
	1974	2062	4036	49	51



Equity

UOG is providing equal admission opportunities on the basis of merit as per prescribed rules & regulations, policies and procedures of the University. Equal admission opportunity refers that all people, irrespective of gender, race, color, age, religious belief, marital or parental status have the same access to employment as well as admission. Particularly, University environment is free of gender discrimination or harassment and provides equal opportunities to women.

Gender-wise Detail

51% of female students and 49% male students are studying at Main Campus i.e. Hafiz Hayat, UOG, Gujrat and its City Campuses including Medical College, i.e., NSMC in various degree programs. Program wise distribution of male and female student is reflected in the table below.

Sr. No.	Name of Department	Name of Degree/ Program	Gender wise Strength			Gender wise Ratio %	
			Male	Female	Total	Male	Female
A) Hafiz Hayat Campus, UOG							
A (1) Faculty of Computing & Information Technology (FCS&IT)							
01	Computer Science	BS (Hons)	111	43	154	72	28
		BS (Hons Evening)	68	8	76	89	11
		Mphil	21	16	37	57	43
		Master of Science	30	66	96	31	69
02	Information Technology	Associate Degree	13	6	19	68	32
		BS (Hons)	77	28	105	73	27
		BS (Hons Evening)	40	3	43	93	7
		Master of Science	0	41	41	0	100
03	Software Engineering	BS (Hons)	120	41	161	75	25
		BS (Hons) (Evening)	73	7	80	91	9
Total A(1)			553	259	812	68	32
A (2) Faculty of Arts (FA)							
04	English	BS(Hons)	15	26	41	37	63
		MA	8	53	61	13	87
		MPhil (Literature)	11	21	32	34	66
05	Center for Languages & Translation Studies	Certificate	47	16	63	75	25
		BS	3	19	22	14	86
		MPhil (Linguistics)	2	13	15	13	87

A (2) Faculty of Arts (FA)

06	Islamic Studies	BS(Hons)	2	12	14	14	86
		Mphil	19	22	41	46	54
		PhD	13	2	15	87	13
07	Mass Communication	BS(Hons)	32	19	51	63	37
		MA	17	19	36	47	53
		Mphil	22	10	32	69	31
		PhD	11	3	14	79	21
08	Physical Education	Master of Science	2	10	12	17	83
09	School of Law	LLB (Hons)	75	21	96	78	22
		LLM	8	2	10	80	20
Total A(2)			287	268	555	52	48

A (3) Faculty of School of Art, Design and Architecture (SADA)

10	Architecture	B.Arch.	12	10	22	55	45
11	Textile Design	BS(Hons)	4	19	23	17	83
12	Fine Arts	Bachelor of Fine Arts	5	11	16	31	69
13	Communication Design	BS(Hons)	3	10	13	23	77
14	Multimedia Arts	BS(Hons)	19	3	22	86	14
15	Product Design	BS(Hons)	13	10	23	57	43
Total A(3)			56	63	119	47	53

A (4) Faculty of Science (FS)

16	Biochemistry & Molecular Biology and Biotechnology	BS (B&MB)	15	79	94	16	84
		MPhil (B&MB)	8	31	39	21	79
		PhD (B&MB)	7	2	9	78	22
		MPhil Biotechnology	10	6	16	63	37
		PhD Biotechnology	5	7	12	42	58
17	Zoology	BS (Hons)	10	102	112	9	91
		Master of Science	4	53	57	7	93
		MPhil	15	27	42	36	64
18	Botany	BS (Hons)	12	81	93	13	87
		Mphil	13	35	48	27	73
		PhD	3	2	5	60	40

A (4) Faculty of Science (FS)

19	Chemistry	BS(Hons)	11	43	54	20	80
		Master of Science	4	57	61	7	93
		Mphil	17	29	46	37	63
		PhD	1	8	9	11	89
20	Environmental Sciences	BS(Hons)	15	35	50	30	70
		MPhil	2	13	15	13	87
21	Mathematics	BS(Hons)	31	76	107	29	71
		Master of Science	17	39	56	30	70
		MPhil	12	31	43	28	72
22	Physics	BS	16	38	54	30	70
		Mphil	25	16	41	61	39
		Master of Science	42	42	84	50	50
23	Statistics	BS(Hons)	7	14	21	33	67
		Master of Science	1	24	25	4	96
		MPhil	5	19	24	21	79
Total A(4)			308	909	1217	25	75

A (5) Faculty of Engineering & Technology (FE&T)

24	Chemical Engineering	Bachelor of Science	38	4	42	90	10
		Master of Science	26	0	26	100	0
25	Electrical Engineering	Bachelor of Science	35	3	38	92	8
		B.Tech (Evening)	49	0	49	100	0
		Master of Science	25	1	26	96	4
26	Mechanical Engineering	B.Tech (Evening)	52	0	52	100	0
Total A(5)			225	8	233	97	3

A (6) Faculty of Social Sciences (FSS)

27	Economics	BS(Hons)	11	30	41	27	73
		Mphil	5	8	13	38	62
		PhD	5	2	7	71	29
28	Sociology	BS(Hons)	6	22	28	21	79
29	History & Pakistan Studies	Mphil Pakistan Studies	4	4	8	50	50
		MPhil History	5	7	12	42	58
		PhD History	10	0	10	100	0
30	Political Science & IR	BS(Hons) IR	27	14	41	66	34
		M.A IR	5	5	10	50	50
		MPhil IR	10	0	10	100	0
		MPhil Political Science	8	7	15	53	47
		PhD	9	0	9	100	0
31	Psychology	BS(Hons)	8	47	55	15	85
		Master of Science	2	49	51	4	96
		Mphil Professional	4	15	19	21	79
		Diploma in Clinical Psychology	0	11	11	0	100
32	Education	B.Ed.	2	9	11	18	82
		M.A	3	31	34	9	91
		Mphil	2	10	12	17	83
		PhD	5	2	7	71	29
Total A(6)			131	273	404	32	68

A (7) Faculty of Management and Administrative Sciences (FM&AS)

33	Management Sciences	BBA (Hons)	112	61	173	65	35
		BBA (Hons) (Evening)	24	5	29	83	17
		MBA (1.5 Years)	14	21	35	40	60
		MBA (3.5 Years)	63	50	113	56	44
		Mphil	16	10	26	62	38
		PhD	6	4	10	60	40

A (7) Faculty of Management and Administrative Sciences (FM&AS)

34	Commerce	Associate Degree	11	2	13	85	15
		B.Com (Hons)	65	37	102	64	36
		M.Com	34	18	52	65	35
35	Institute of Hotel & Restaurant Management	Associate Degree	30	5	35	86	14
Total A(7)			375	213	588	64	36
Grand Total A(1+2+3+4+5+6+7)			1935	1993	3928	49	51

Sr. No.	Name of Department	Name of Degree/ Program	Gender wise Strength			Gender wise Ratio %	
			Male	Female	Total	Male	Female
B) Nawaz Sharif Medical College(NSMC), Gujrat							
01	Medical Sciences	MBBS	39	69	108	36	64
Total(B)			39	69	108	36	64
Grand Total (A+B)			1974	2062	4036	49	51

Employability

The Career Guidance and Placement Office under the umbrella of Student Services Centre & University Advancement & Financial Aid Office (UA & FAO) of UOG are the key offices to ensure and explore employment opportunities of university graduates after the completion of their degrees. For this purpose, on-campus recruitment sessions, i.e., training and workshops and job fairs are constantly organized by these offices. In 2016-17, these offices facilitated more than 11000 students from 2010 to 2016 for getting internship opportunities in different institutes and organizations.

Faculty-Student Ratio

The recruitment process of qualified faculty at UOG continues throughout the year. During the 2016-17 period, the faculty-student ratio at UOG was 1:29, which not only quite convincingly exhibits a healthy balance but also reflects that teachers were able to fully concentrate on their students and students could get optimum benefit from their teachers.

Workshop on
**And Research Proposal Writing
and Research Ethics**
August 01-02, 2016
Venue: Quaid-e-Azam Library, University of Gujrat



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University Building Economics

University-Industry Linkages

UOG is captivating a qualitative increase frontward 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 as well as foreign universities/institutions are to certify the capacity building of UOG faculty members in interdisciplinary research techniques and theoretic methods. UOG is dynamically considering advancing for further vigorous foreign cooperation for extending the areas of research activities and also arrange funds for UOG faculty development program.

Sr. No.	Signed With	Purpose	Date
01	MoU between University of Gujrat & Fouzi Brothers	Establishing a formal mechanism for collaboration	15 Nov 2016
02	MoU between University of Gujrat & German Healthcare Industries Pvt. Ltd.	Establishing a formal mechanism for collaboration	15 Nov 2016
03	MoU between University of Gujrat & Dr Frigz International Pvt. Ltd.	Establishing a formal mechanism for collaboration	04 Jan 2017
04	MoU between University of Gujrat & Lantix Technology Private Limited Pakistan	Conducting Seminars, Workshops for Students & Faculty	24 Apr 2017
05	MoU between University of Gujrat & Regional Meteorological Center Lahore (PMD), Islamabad	Cooperation in Field of Study & Collaborative Research Projects	22 June 2017

Patents:

An international patent, "Communication device and method for achieving multi-protocol interoperability" has been filed by the ORIC Director Dr. Muddesar Iqbal and Prof. Xinheng Wang on 26 December 2016 in China (App/Pub Number is PCT/CN2016/112091).

document covering all aspects of the research and development, and commercialization.

New Initiatives

University of Gujrat has taken up numerous new initiatives to strengthen university-industrial linkages for removing the financial constraints and drawing line of action to encourage economic growth and resource generation. Our new economic initiatives are based on innovative philanthropic efforts to enhance fast track university transition of traditional economic structure. Following initiatives have been taken during last year (2016-17).

Research, Innovation and Commercialization Policy 2016 (RICP):

One of the major achievements of ORIC in 2016 is the development of Research Innovation and Commercialization Policy. The Research, Innovation and Commercialization (RIC) Policy has been approved by Syndicate and notified in December 2016. The policy is a comprehensive and a baseline

Awards:

Best Teacher Award

A Research Award Distribution Ceremony was organized by the Office of Research, Innovation and Commercialization (ORIC) at Jinnah Auditorium on 1st June 2017 at Quaid e Azam library Auditorium. Mr Muhammad Bilal Tahir, Lecturer from the Department of Physics won the Best Teacher Award 2015.

Best Researcher Award

Best Researcher Award was introduced to encourage research and development activities.

Research Publication Award

About 43 UOG faculty members were awarded with cash prizes of around 01 Million against their research publications during 2016.

Best Mentor Award

Best Mentor Award was introduced to recognize and appreciate Mentors.



Technology & Innovation Support Centre (TISC):

The ORIC initiated to establish a Technology & Innovation Support Centre (TISC) in collaboration and funding of the HEC Pakistan, Intellectual Property Organization (IPO) Pakistan and Ministry of Science and Technology, Pakistan. TISC is establishing in Office of Research Innovation & Commercialization Centre, University of Gujrat, with a technical infrastructure. Rest of the Funding and resources will be provided by the HEC and IPO.

Year of Innovation & Productivity 2017

Project Exhibition Ceremony

All six Faculties and the School of Art, Design and Architecture (SADA) were invited to participate in this event. In order to encourage the students to put their contribution towards YIP-2017, incentives/prizes were announced. In addition to certificates, Rs 5,000/-, Rs 3,000/- and Rs 2,000/- as cash prizes to first, second and third ranked projects/product, respectively, were announced for each and every Faculty and SADA.

Organized Events

As a part of YIP 2017, ORIC with the help of academic departments organized a number of trainings, workshops, Symposiums, Seminars, Exhibitions in the premises of the University.

Establishment of Community Mental Health:

Department of Psychology and ORIC has established "Community Mental Health Centre, University of Gujrat" in collaboration with sweet home", Decent Welfare Society" and Bashir Hospital, Gujrat", on charity basis. The "Sweet Home", and Bashir Hospital, Gujrat", will provide space rooms and classrooms for assessment and Psychotherapy of patients with psychological problems, while the Department of Psychology will provide psychological services.

The center will provide opportunities to department of psychology to extend its service to community and students of department to start internships at the center.

Technology Incubation Centre

The Software Development Cell (SDC) under the umbrella of IT Services department is the backbone of University, wherein UOG has consistently

generated, ideas and developed IT softwares for managing web portal and administrative database-related to IT applications. The SDC is technology venturing through incubator activity and strategy to improve competitiveness. This kind of activity plays a major role for accelerating the commercial as well as Research & Development outputs and transfer of technological contribution towards enterprises of high end technologies; eventually to initiate new industrialized economies.

One of its major thrusts is to incubate technology based start-up structures for promoting 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.

The Centre also modifies the software product after delivery, to correct faults, improve performance and other relevant attributes related to IT services and planning. The major function of TIC is to help potential entrepreneurs such as students, faculty, and 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 at identifying opportunities of collaboration between UOG academics and industry for the purpose of finding solutions to industry specific problems and new products development.

Internship and Placement Office Center, UOG

Internship and Placement office works very closely with all the Faculties to facilitate their students regarding 6-8 weeks internship and placement. More than 11,000 students have been referred for 6-8 weeks Internship from June 2010 till December 2016 to various organizations and in which 50% internees were later on offered job by those organizations. UOG also offers paid internship programs for its regular students at University Level that enables students to enrich their education with hands-on experience and to apply 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 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 Center in Student Services Center that provides a vital and engaged campus community where students are able to learn and develop the knowledge, skills, and

values needed to lead and serve the nation. The center offer programs and services to all the graduating students and alumni in exploring and making effective career choices under one roof to male and female students in separate environments, considering the 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.

Following are the services that have been provided by the above mentioned two offices to our students:

Career Advisory

- One-on-One Career Counseling
- Career Roadmap
- Education Fairs
- Internship
- Skill Fit Career Analysis

Job Placement

- Boot Camps
- Mock Interview Sessions
- Head hunting and career advising
- Career Fairs

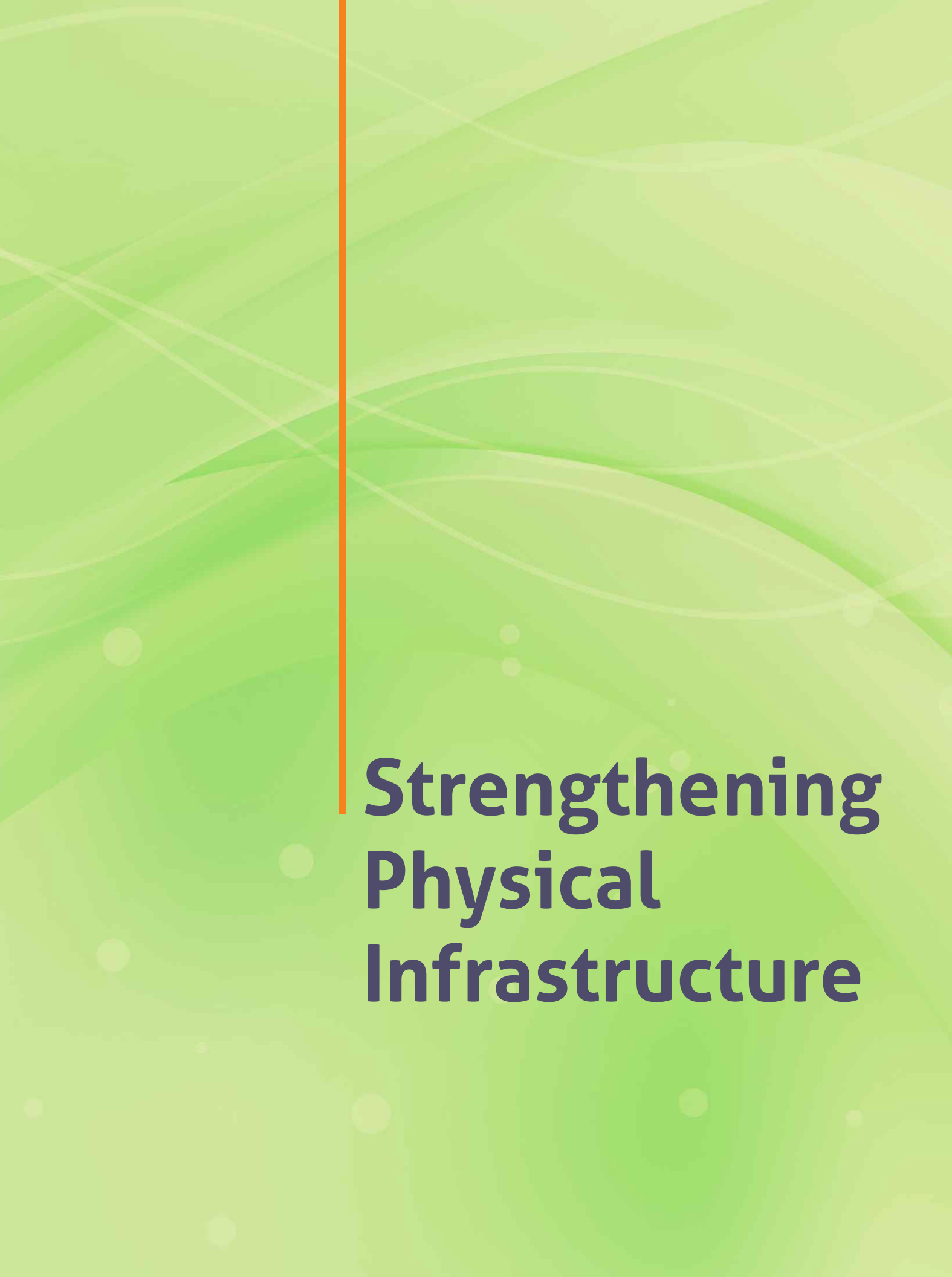
Corporate Relations

- Alumni Relations
- Industry Relations
- Corporate Relations with Industry for careers
- Networking & Partnership with Employers

Professional Development Programs

- Certificate Programs
- Developing Soft Skills
- Study Tours



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Strengthening Physical Infrastructure

Development Projects

Numerous projects/works/schemes were executed during 2016-17 according to university academic infrastructure needs. Federal and Provincial Governments provided funds through their respective departments, i.e., Higher Education Commission (HEC), Islamabad and Higher Education Department, Government of the Punjab against different projects/works/schemes. Some of the development works / schemes are being executed from their own university funds through Annual Works Programme (AWP). Every year, a new AWP is being prepared duly approved by the Syndicate on the recommendations of Finance & Planning Committee, UOG. The listed works / schemes are being executed 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 2016-17:

Establishment of Nawaz Sharif Medical College (NSMC) & Uplifting of ABS (DHQ) as Teaching Hospital

Government of the Punjab took a historic step in the direction of full scope of essential Health Care Facilities in Gujrat area. The Chief Minister, Punjab issued directions to establish "Nawaz Sharif Medical College, University of Gujrat" in September 2008. The PC-I project titled "Establishment NSMC & Uplifting of ABS (DHQ) as Teaching Hospital" was approved by PDWP in its meeting held on 2009 and accordingly Pakistan Medical & Dental Association (PM&DC) recognized the college. Rs 1974.246 million were allocated for this project. The project comprises one (1) Faculty Hostel, forty (40) Faculty Apartments, Twenty (20) Faculty Residences, three (03) Student Hostels, Boundary Wall, two (02) Clinical Blocks at ABS, twenty (20) bedded Ward emergency at ABS (64 bedded each), one (01) Operation Theater at ABS, roads and landscaping. Presently, the work is in progress and almost 80% is completed.

Construction of Academic Block Nawaz Sharif Medical College (NSMC)

The project "Strengthening & Expansion of University of Gujrat and Its Allied Campuses" was approved by PDWP on 19.11.2015 containing amount of Rs.

718.190 million out of which Rs. 371.000 million have been utilized upto FY 2016-17.

Extension of "P" Block, University of Gujrat

The project/scheme titled "Extension of "P" Block, University of Gujrat" was initiated on the request of Architecture Department, UOG with the approval of Work Committee amounting to Rs 99.395 Million through its own sources, i.e., AWP 2016-17 for carrying out academic work and research activities as per standards of Pakistan Council of Architects and Town Planners (PCATP). This project is mandatory for the accreditation of PCATP before proceeding for any academic program in the university. During 2014-15, Consultant was hired for Architectural & Structural Designs/ Drawings and top-supervision of the project. The scheme has been completed and handed over to concerned department in FY 2016-17.

Strengthening & Expansion of University of Gujrat and its Allied Campuses

The project "Strengthening & Expansion of University of Gujrat and Its Allied Campuses" was approved by CDWP on 28.04.2015 and Administrative Approval was issued on 13.05.2015 for Rs.2988 million.147 Million including FEC of Rs.135.707 Million with completion time of 36 Months. The two major components are included in this project. First construction component covers missing academic facilities of Hafiz Hayat Campus, Gujrat and the Second construction component designated for the establishment of UOG Sub-Campus at Narowal. The construction work was started in FY 2016-17 and work at site started with full swing.

Construction of Internal Roads of University of Gujrat

The project "Construction of Internal Roads of University of Gujrat" was approved in the meeting of the DDWP Gujranwala held on 18-02-2017 with the cost amounting to Rs. 69.835 million and administrative approval was issued by the office of the Commissioner Gujranwala Division on 23-02-2017. The scheme will be executed by the Works Directorate of the UOG. The work has been started and will be completed in next financial year.

Research Equipment

UOG provided equipments to its academic departments during 2016-17 for facilitating the academic work and also performing the research activities as per time-to-time requirements. Detail of department wise research equipment is as under:

Sr. No.	Name of Department	Scientific Instrument /Equipment with Description
01	Botany	Distillation Water Plant, Aeration Pumps, Muffled Furnace, Hp Laser Jet M2727 nf 3in 1 (02), Canon Eos 700D Camera.
02	Geography	Improve IT Services to make the process smooth.
03	School of Law	Access to online databases and departmental library.
04	Information Technology	Ebrary and Simulation Software
05	Multimedia Arts	General and Thesis Lab equipped with latest technology Computers and better printing facility.
06	Architecture	General and Thesis Lab equipped with latest technology computers and better printing facility.
07	Fine Arts	Arts Studio established with various finishing equipment and materials.
08	Product Design	Model Making Lab established with various finishing instruments and materials.
09	Ceramics Design	<ol style="list-style-type: none"> 1. Glaze Mixer 2. SOLDNER CLAY MIXERS 3. Ceramics Pug mill / Mixer 4. Kiln furniture 5. Laguna Banding Wheels 6. Bailey EXTRUDERS 7. Bailey SLAB ROLLERS 8. "3D Potter's" Ceramics 3D Printer 9. Dell Computer System for "3D Printer" 10. Heavy Duty Pottery wheels 11. Glaze Material 12. Plaster modelling wheels with tools 13. Ceramics Test Klin Gass / Bailey Gas Firing Kiln 14. Ceramics Test kiln 15. Air compressor, Spray Gun and Accessories (Spray Both) 16. Angle Grinder 17. Bench Grinder 18. North star tile press 19. Fire Distinguisher 20. Rinsed water System 21. Digital Gram Scale 22. Lights for Claymation studio 23. Bailey Corporation (Art Modelling Tools) 24. B&H (Digital Tools for Claymation)
10	Chemical Engineering	<ol style="list-style-type: none"> 1. Bomb Calorimeter 2. Flue gas Analyzer 3. Shell and Tube heat exchanger 4. Double pipe heat exchanger 5. Bio Gas Plant 6. Coal Water Slurry pilot Plant

Sr. No.	Name of Department	Scientific Instrument /Equipment with Description
11	Electrical Engineering	<ol style="list-style-type: none"> 1. Power Quality Analyzer 2. PSCAD ® Power System Computer Aided Design Trainer. 3. Trainer for Power lab (Power generation, distribution, power Transmission) 4. Trainer for Communication Lab 5. Trainer for Instrumentation & Measurement 6. Hall Effect V/I Transducer 7. Non-Contact AC/DC Multi Meter 8. Protective Relaying Training System 9. GHz Oscilloscope 10. Industrial Electronic Trainer
12	Chemistry	Spectrofluoro photo meter installed in Lab
13	Biochemistry & Biotechnology Department	<ol style="list-style-type: none"> 1. Autoclave 2. Incubator 3. Shaking incubator 4. Distillation assembly 5. Spectrophotometer 6. Incubator shaking 7. Vertical Gel electrophoresis with power supply 8. Spectrophotometer 9. Micropipettes 10. Electroporator 11. Refrigerated Centrifuge 12. Laminar flow cabinet 13. Micropipettes
14	Sociology	Scanner, Multimedia Projector is available.
15	Mechanical Engineering	<ol style="list-style-type: none"> 1. Hydraulic Press 2. Universal Milling Machine 3. Multi-Functional Machine 4. Shaper Machine 5. Mechanical Sub Cooling Cycle 6. Hydraulic Pipe Bending Machine



QUAID-E-AZAM LIBRARY





UOG

& WORLD CLASS UNIVERSITY

DATA CENTER

Inaugurated by:

Honourable

Malik Muhammad Rafique Rajwana

Governor of the Punjab

February 18, 2016

Initiative:

Prof. Dr. Zia Ul Qayyum
Vice Chancellor



Strengthening Technology Infrastructure

Introduction

UOG has large IT set-up under the umbrella of Directorate of IT Services to carry out overall activities of IT Infrastructure i.e. network development, expansion and maintenance, troubleshooting services (network, hardware and software), online publication of examination results and a comprehensive high-speed internet connectivity of 64 MBs internet facility for students as well as faculty / staff members.

Digital Library

National Digital Library program was launched by Higher Education Commission of Pakistan (HEC) in February 2004 with the purpose to increase the access to scientific literature in Pakistan. The foremost objective of this digital library program is to uphold research values in educational institutions. The program provides easy access to international and national academic publications based on electronic format, and access to high quality peer-reviewed journals, Database, Articles and E-Books across a wide range of disciplines. UOG is the member of this Digital Library program and avails the access of Seventeen (17) databases through this valuable program. During 2016-17, 45,000 E-Books and 5000 E-Journals were available at UOG digital library. Brief introduction of resources available to UOG is as under:

- ProQuest Dissertation & Thesis
- Annual Reviews
- ASTM
- BRILL
- EBRARY
- NRC Research Press Journals Online
- International Forestry Review
- Institute for Operations and Management Sciences (INFORMS)
- ROYAL COLLEGE FOR PHYSICIANS
- SIAM
- Springer E-Books
- SPRINGERLINK
- TAYLOR & FRANCIS JOURNALS
- University of Chicago Press
- WILEY-BLACKWELL JOURNALS
- IMF E-Library
- EMERALD

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). PERN connectivity is available for a period of ten (10) years extendable from the date of service activation (the "Term"). If it can be physically accommodated at the end of the Term, the services are automatically renewed for a period of two (2) years, unless the written notice to the contrary is received by HEC from organization at least 90 days prior to expiry of the Term. Any subsequent renewal of the Term for the services shall not be for a period of less than two (2) years, unless the parties expressly agree and the charges will be as per the mutually agreed rates.

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



Tariff Type	Types of Service (Description)	Unit
Basic	International Bandwidth	80 MBPS
	Intranet Bandwidth	40 MBPS
	SUP Services	210 MBPS
	IPv4 IP	Promotionally Free for
	IPv6 IP	Limited Time
	Digital Library (Base Resources)	Functional
	Video Conferencing	Functional
	Turnitin Software/Services	Functional
Traffic	Licensed Software with Unified Communication	Functional
	IP Phone Services	Not- Functional

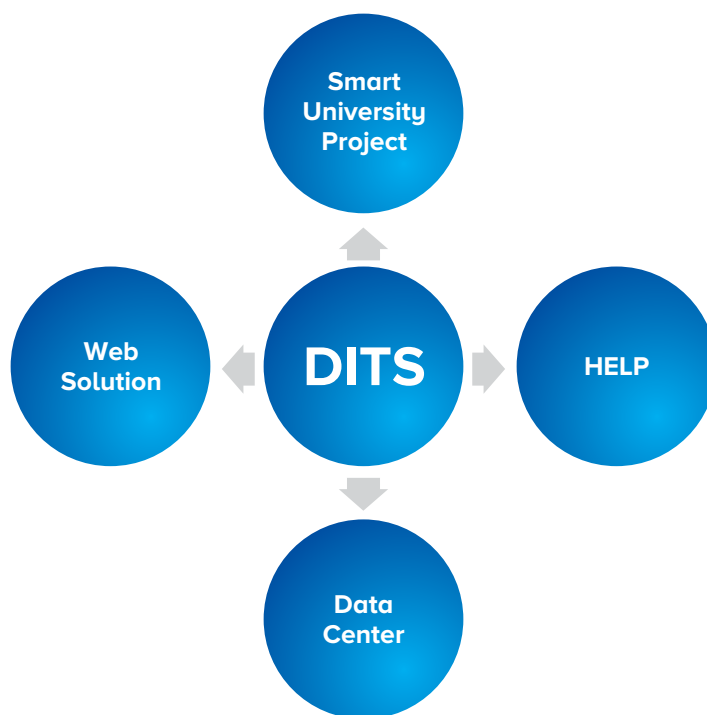


Figure 1: Directorate of IT Services-Facilitating Education with Technology

UOG Data Center

UOG established a state of the art tier-3 Data Center to support increasing needs of computing infrastructure. Data Center is equipped with a state of the art computing equipment with 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 facility using low cost equipment by pooling the resources. Data Center is also equipped with an enterprise storage solution for students and research activities.

Revamping of Network:

Directorate of IT Services revamped data network as per growing needs in different building blocks as 'when required basis'. Software and Access to internet demand changes so do the passive network

IP Based Surveillance System:

Directorate of IT services has also upgraded the University's surveillance system using the latest technologies with IP based cameras and established a central monitoring location. Moreover, this system is backed by central storage system for surveillance data. As the main 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, perimeter has been covered. Entry points are now being equipped with detection recording devices.

Higher Education Learning Platform:

HELP – An application that automates the administration, documentation, tracking, and reporting of training events. UOG took initiative to deploy Learning Management System based on advanced technology to facilitate students and faculty in learning process. It's a complete learning content management system. It's a step towards complete automation system to be deployed for end to end automation.

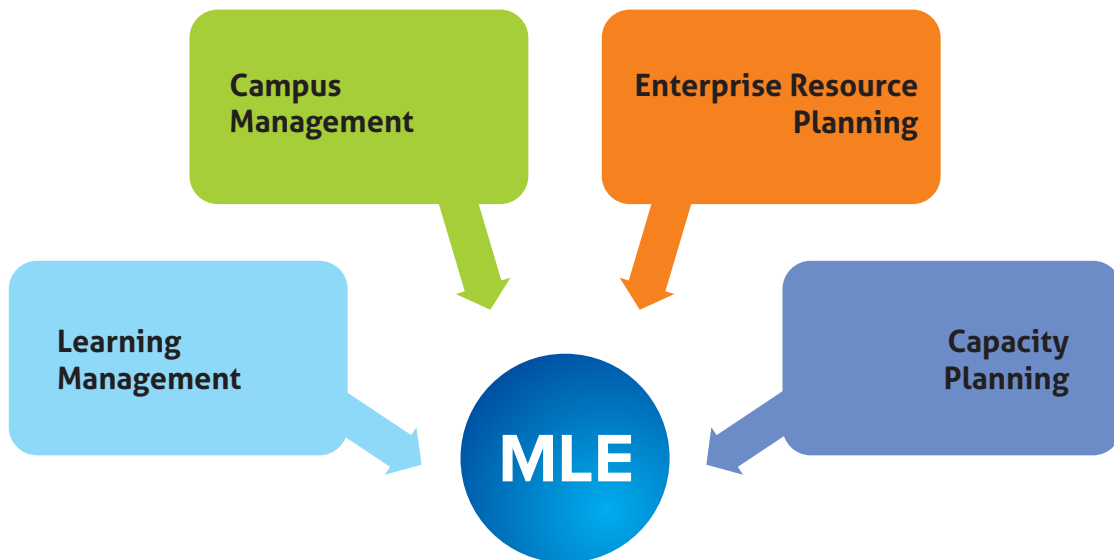


Figure 2: Managed Learning Environment

Smart University Project

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

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

The installed SUP Project enables users to freely access internet in all open and indoor areas with minimum of 60 per cent of signal strength, power backup units (UPSs) for 24x7 services and achievable data rate of 10Mbps 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, Video conferencing facility has become a key method for teaching and training of faculty and staff members. This technology is much helpful for University business and organizational training purposes. It is critical that instructors and trainers develop new knowledge and skills to understand this technology and realize and use its potential for constructive purposes. Details of Video Conferencing events held in 2016-17 are as under:

Sr. No.	Event title	Type	Date	Organized By
01	Meeting of Chairman HEC with Vice Chancellors of 08 universities	Meeting	11th August, 2016	HEC
02	MOM	Meeting	8 November 2016	HEC
03	RAMC Meeting	Meeting	10th November 2016	HEC
04	Teaching for Critical Thinking by Professor Geraldine Van Gyn	Seminar	29th November 2016	Network of Teaching & Learning
05	Final year BS Biomedical Engineering 2013 Batch Project / Thesis	Session	30th November, 2016	LUMHS
06	Meeting with Incharge of ICT and focal & technical persons of VC Setup	Meeting	1st December, 2016	HEC
07	Role of Youth in Eradication of Corruption	Seminar	5th December 2016	HEC&NAB
08	National Seminar on Mathematics	Seminar	9th December 2016	The Islamia University Bahawalpur & PakMS
09	HAIRA Proposals Presentations	Presentation	9th December 2016	HEC
10	DQE Seminar	Seminar	28th December 2016	Directorate of Quality Enhancement
11	PM National Laptop Scheme Phase 3	Seminar	4th January 2017	HEC

Sr. No.	Event title	Type	Date	Organized By
12	42nd National Seminar on Mathematics	Seminar	15th February 2017	The Islamia University of Bahawalpur & PakMS
13	Awareness Seminar on ISO 9001-2015 and Processes Improvement for Quality Assurance	Training	21th February 2017	IBA, Karachi
14	Internet of Things (IoT)	Workshop	27th February 2017	UET, Lahore
15	Microsoft Imagine Cup 2017	Session	7th March 2017	HEC
16	Women Empowerment Event	Session	8th March 2017	HRD Department of HEC
17	Critical Thinking and Problem Solving in English	Session	15th March 2017	IBA
18	Windows 10 Security	Session	16th March 2017	HEC, Microsoft
19	Enterprise Mobility Suite	Session	17th March 2017	HEC, Microsoft
20	Microsoft Azure	Session	22th March 2017	HEC, Microsoft
21	Imagine Cup Session	Session	24th March 2017	HEC, Microsoft
22	Using Quality Function Deployment in Curriculum Development	Workshop	15th April 2017	IBA, Karachi
23	Seminar on Academia and Industry Linkages	Seminar	24th April 2017	IBA, Karachi
24	Imagine Cup 2017 - Pakistan National Finals	Session	26th April 2017	HEC, Microsoft
25	Freedom from Corruption Improves Quality of Life	Seminar	10th May 2017	VU&NAB
26	Forum on Inquiry based Sciences Education (IBSE)- La main a la pate	Session	11th May 2017	HEC & ECO
27	Awareness Seminar on ISO 9001-2015	Seminar	15th May 2017	SZABIST, Karachi
28	HAANA updates sharing with the HAANA awarded HEIs/Universities and HAANA establishment steering Committee	Meeting	22th May 2017	HEC, Microsoft
29	Meeting regarding the Updates on HAANA establishment HEC	Meeting	15th June 2017	HEC
30	QEC Workshop	Workshop	20th June	PIEAS

Campus Management Solution

UOG started a project related to campus management solution under the umbrella of Software Development Cell (SDC) in accordance with HEC guidelines to facilitate the interaction and communication system with faculty, staff members and students to enhance educational standards. Presently, UOG Information System (UOGIS Academic Module), UOG faculty and student web portal, UOG OPAC Library system and database management system are the key projects to assist the faculty and students regarding their academic activities. The UOGIS is a comprehensive solution that automates majority of tasks that are required in proper functioning of UOG. The UOGIS has reached advanced stage level campus management solution, which is comparatively more beneficial due to its modalities of stages. UOGIS allows faculty to record attendance, enter sessional marks and upload lecture notes, schedule and any other information they would like to share. Students are permitted to login and see their marks and attendance data as well as the lecture stuff. This facility has made academic activities easy for both—faculty and students. Because of UOGIS, UOG has an advantage over what other universities campus management solutions are offering, in that they are not at the advanced level.

UOG web portal (www.uog.edu.pk) is a complete admission System and an integrated web services for faculty and student and online job portal for faculty and administration.

The university web site is attractive, with colorful tools and services arranged into convenient categories. The portal provides an interface to various services and event. It can present the UOG academic life cycle and information to the people about their educational interest and activities. UOG online admission system handles complete process of university campuses. Candidates create their profile in portal; can apply for any offered program in any of the university campus. Processes like Candidates eligibility for desired program, merit calculation and display of merit list on university website are handled by this system. Candidates receive SMS alerts on every stage of admission process. This web portal represents the worth of organizational progress through new initiative for academic programs with technical and skill initiatives.

Our web portal indicates all information relating to

university for existing students as well as newcomers. It provides the details of Academics, Examination, Research, H.H Learning Resource Center, Career opportunities. News Updates, Quick Links, Hayatians Alumni Portal, Students Services Center, Office of Research, Innovation & Commercialization (ORIC) and Press, Media publications.

The UOG website Navigation is designed to be user-friendly together with various tools and services to access University's Key features such as faculty, departments, discipline, research and teaching categories, admission details, new developments and all office details with key personnel.

All the students and faculty are provided with e-mail address login facility. The UOG web portal provides new updates regarding new developments in UOG on daily basis to the faculty, students and other users. Our campus management solution is integrated and acts as Management Information System, which efficiently deals with the various UOG activities, i.e., faculty & student management, administrative functions, etc. It increases the key benefits of students including enhancement of interaction and communication with teachers, the ability for students to meet many regular requirements such as scheduling and verification of attendance without the assistance of a university employee. The campus management solution in UOG is also managed and updated with student academic activities from the stages of admission, examination details. It also provides students access to online course selection and registration process with timetable results and examination schedules. The UOGIS facilitates the students to register themselves for online courses and generate fee challan from anywhere around the world. Lecture sharing with affiliated colleges is also feasible.

Sr. No.	Project/Module Name	Status
01	UOGIS Academic Module	Running
02	UOGIS Student Web Portal	Running
03	UOGIS Faculty web Portal	Running
04	UOGIS OPAC Library Portal	Running
05	UOGIS Examination Module	Running

Web Portal

UOG web portal (www.uog.edu.pk) is an integrated web service for faculty, administration, students and alumni based on content management system with features like online admission system, event and seminar management, tender management, Blog management, news and publication portal, alumni portal and online job portal. The university web site is attractive, with colorful tools and services arranged into convenient categories. The portal provides an interface to various services and events. It can present the UOG academic life cycle and informs the people about their educational interests, and activities. This web portal represents the progress with new initiatives for academic programs with technical and skill-based initiatives.

Our web portal indicates all the information relating to university for existing students as well as newcomers. It provides the details of Academics, Examinations, Research, and H.H 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.

Job Portal:

Job portal is part of UOG online web portal, which allows job seekers to sign up with a free account, allows them to browse through job openings posted by university and post their data for once in the portal. All job seekers can view the job advertisements published by university in different newspapers. Job portal also provides a centralized data repository for Registrar office to post information about job openings. Moreover, all processes involved in the recruitment process are handled by Job portal. Job applicants receive SMS alerts on every stage of their recruitment process. This portal signifies the organization strength and fulfills the future needs for University as an employer as well as job seekers

Online Admission System:

Online admission system allows candidates to seek admission in university with the help of complete online process in which candidate can secure provisional admission without visiting the university campus. Admission processing fee and first semester fee of admitted students can be submitted to any HBL Branch anywhere in Pakistan. UOG online admission system handles complete process of university admission for all university campuses. This system is

part of UOG web portal. It has developed latest design user interface techniques that support all devices like tablets and cell Phones. Candidates create their profiles in online admission system; can apply for any offered program in any of the university campus. Processes like Candidates eligibility for desired program, merit calculations and display of merit list on university website are handled by this system. Candidates receive SMS alerts on every stage of admission process. This system represents the clear admission process and strong execution of University admission policy for students

Alumni Portal:

Alumni Portal is another part of this web portal, a tool for coherence between university and its alumni. Alumni register themselves on this portal and keep in touch with university.

News and Publication Portal:

Another distinct feature is to provide information about all events at UOG. Directorate of Media & Publications and Directorate of SSC can upload news and manage this portal.

ORIC Portal:

As part of UOG web portal, this portal is facilitation for researchers and innovators providing a platform to share information and work in collaborative environment.





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University Building Communities

University-Community Interaction

Being a higher education institution, UOG has an obvious vested 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 education system and enhancing the literacy rate as assigned by Higher Education Commission in accordance with our National Education Policy.

The university plays a major role in building community for accomplishing the set national targets. Awareness and urge for education can easily be traced out with the involvement of community. UOG is intrinsically an important institution in North East Central region of Punjab for helping socio-economic development of community. Our faculty, students, concerned offices; university alumni and societies are the main source and drive for community building. UOG undertakes to play a leading role in serving the community and opening up new opportunities for the people of the community who wish to improve their lives. For the successful implementation of these tasks, the UOG Students Services Center (SSC), Office of Research Innovation and Commercialization (ORIC) and Business Incubation Center (BIC) have chalked out the strategy for community participation to encourage the 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 UOG's sustainable academic development and to interact with people who participate for the development of UOG through funding and financial grants. UOG adopted three vital modalities for community interaction:

Collaboration:

Establish collaboration between UOG and community for achieving mutual objectives and goals.

Social Customs and Developments:

UOG conducts research and identifies the society's values and customs for sustainable social development.

Health and Education Awareness:

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

Furthermore, SSC has established three forums for encouraging the role of 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's Role in Building Community

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

It supports furnishing of skills to populace living in its vicinity as upcoming human resource through professional education.

It hires skilled and professional staff from nearby villages and towns. FM 106.6 radio serves a large population in 50 KMs radius. Its programs offer information, news, and entertaining materials for all kinds of audience

UOG has demarcated four Union Councils where students are able to conduct surveys and research with friendly inhabitants.

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 education program in nearby villages.

Campus FM Radio plans to broadcast programs for a variety of audience in the communities.

UOG has made an in depth research on neighboring communities of the varsity and compiled a data bank which forms a basis for further researches in different disciplines.

Alumni Affairs

University of Gujrat established its Hayatians Alumni Association last year 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 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 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 Hayatians 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 Hayatians Alumni Association forum plays a key role in the development of University and fund raising for deserving students in the form of scholarships. Followings are the achievements of alumni in the year 2016-17:

Organized several events for university-community interaction and promotion of research based culture in this region.

Arranged Alumni Annual Dinner for interaction between students and faculty and announcement of key initiatives.

A large number faculty members and students have been registered on the forum of university Alumni.

Established new links with local communities and industry for working on common interest areas and

boasting the socio-economic development.

Provided career opportunities to university graduates through our internship program and also industry internship initiatives.

Building Future Leaders (co-curricular Activities)

University of Gujrat organizes a wide array of co-curricular activities consistently to buildup student leadership abilities such as confidence initiative, decision making and communication skills.

These kind of co-curricular activities are organized at all levels from departmental to national level to groom youth intellectually as well as morally. The University sports department has encouraged the students to participate at university as well as at national level games.

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 at the national level competitions. The extra and Co-curricular activities at UOG are carried out through sports department, concerned academic departments and students' societies.

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

Currently there are more than 40 societies are working rigorously to provide an exciting and vibrant campus life. All of the societies conduct Inter and Intra University competitions. HITS, IEEE, Tedx, Lafz, Kasauti, Theatre, Literary Festival, and Inquisitive are few of the flagship events of the campus.

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

Following are few highlighted events that were arranged during 2016-17:

One Day Workshop on Art of Qawali by Simorgh
May 2017
SSC and Simorgh

5th Mahfil-e- Mushaira

May 2017
Qalamkar

Session on Safe Migration

May 2017
Migration Resource Centre & UOG

Free Medical Camp Awareness about basic healthcare
NSMC

May 2017
Patient Welfare Society

Seminar on Human Rights Education and
Sensitization

May 2017
M/o Human Rights

2nd Inter Departmental Ramadan Quiz Competition

May 2017
HQS

The News Education Expo

May 2017
Jang Media News and SSC

3rd All Pakistan Quiz Competition

May 2017
HQS

Hazara Higher education Expo-II

May 2017
Punjab College Haripur and Mansehra, KPK

Annual Cleanness & Environment Protection
Campaign

May 2017
Directorate of Student Affairs

Session on Ethics named together for Tolerance

May 2017
Department of Management Sciences

Session on Entrepreneurship named Hum Hain Khaas

May 2017
Department of Management Sciences

Book inauguration ceremony (Regional Disparities in
Pakistan, Way to National)

May 2017
Ibne-e-Khaldon Society

Seminar on Islamic Banking

May 2017
FMAS

Two days event Spark Expo 2017

May 2017
Software Engineering Society

Street Theatre

May 217
OAS (Participate)

Nazm o Ghazal & Bait Bazi Competition

April 2017
Qalamkar CWF

Plantation Day 2017 Celebration

April 2017
UOG Green Society

3 days 19th All Pakistan Performing Arts Competition

April 2017
OAS (Participate)

All Punjab Declamation & Drama Contest

April 2017
OAS (Participate)

4th Inter-departmental, Affiliated Colleges and Sub-
Campuses Quiz Competition KASOUTI 17

April 2017
HQS

Awareness Campaign about motivation deals of
Spanish Pizza Hut

April 2017
SSC and Spanish Pizza Hut

LAFZ' 17

April 2017
Debating Society

FMHC Lahore Debating Gala-2016

April 2017
UOG Debating Society

All Pakistan Co-Curricular Competitions

April 2017
Higher Education Department

Chief Minister's Qirat and Naat Competition

April 2017
SSC and Hayatian's Qirat & Naat Society

UCA Café' Theatre festival Lahore

April 2017
Odeum Art Society

Seminar on Teachers Respect

April 2017
FMAS

7One Day Workshop on Story Writing By Simorgh

March 2017
SSC and Simorgh

Seminar on Accreditation with Project Management Institute (USA)

March 2017
FMAS

24th Debating and Declamation Championship 2017, UET Lahore (AICHE)

March 2017
UOG

2 days Training workshop on Health, Safety and Environment in Industries

March 2017
UOG Green Society

QIRTAS'17 Readers Club March 2017 World Water Day 2017

March 2017
UOG Green Society

UOG Endowment Meet up

March 2017
SSC (Alumni Relation Office)

2 Days' Workshop on Library Searching, Plagiarism and Reference Writing for Social Scientist

March 2017
Economics Society

One day Session on Data pattern Recognition

March 2017
Statistical Student Society (SSS)

One day Training Workshop on data Visualization

February 2017
Statistical Student Society (SSS)

PTV Program " Ghomo Phiro Maze Urrao"

February 2017
UMS

Grand Brand War 2017

February 2017
SPEAKS

International Mother Tongue Day

February 2017
CeLTS Society

Social Sciences ExpoDean (Social Science) February 2017 LGS Declamation Contest

February 2017
UOG Debating Society

Seminar on Blood Donation and its Benefits

February 2017
Hayatian Blood Donation Society

Hayatian Alumni Homecoming 2017

February 2017
UOG VC Corps

Seminars on "Genetic Transformation of Lactuca Sativa for Production of Pharmaceuticals"

February 2017
HSBB

Workshop on Career Counselling and Freelancing

January 2017
Hayatian IT Society (HITS)

Gujrat Literary Festival 2017

January 2017
UOG VC Corps

Seminar on CPEC

January 2017
UOG LinQ Society

Human Rights Speakers Corner

January 2017
PODA and SSC

KASUTI' 17

January 2017
HQS

RAMZ'17

January 2017
UMS

Hayat-e-Nau

January 2017
ODEIUM

Career Counseling and Awareness Seminar

January 2017
SPEAKS

Retro Art (Annual Meet Up)

January 2017
Debating Society

Cultural Night at ICLLS Islamabad

January 2017
ODEIUM/PAL

Interdepartmental and Inter Campus Tetra Lingual Contest (TAKRAR,17)

January 2017
Debating Society

Remembering Sir Syed Ahmed Khan

January 2017
Readers Club

2nd National Naa't and Calligraphy Competition

January 2017
HIF

International Parliamentary Seminar on Kashmir

January 2017
SPEAKS/YPF

Workshop on " Career Counseling and Freelancing"

January 2017
Hayatian IT Society

Seminar on Awareness of blood transfusion and communicable disease

January 2017
Physics Society

Insect Awareness Day 2017

January 2017
Zoology Society

Exhibition title "Physics Ideas 2017 for Students".

January 2017
Physics Society

Welcome Party

January 2017
Chemical Engineering

Welcome Party

January 2017
Hayatian Computing Society

Session with Qasim Ali Shah

January 2017
UOG VC Corps

Undertaking your Hidden Potential " Session by Dr Shahid

January 2017
UOG VC Corps/ SPEAKS

4th Annual National Law Moot Competition 2017

January 2017
Law Society2016

Say No To Corruption

December 2016
NAB/CBS

Shining Star Award

December 2016
UOG VC Corps

Seminar on Pakistan Remittance Initiative PRI and its role in Sustainable Economic Development

December 2016
UOG Economics Society

1st National Skill Competition Show 2016

December 2016
SADA

DICE 2016

December 2016
Design Bugs/DICE NED

Travelogues of " Mustansar Hussain Tarar

December 2016
Readers Club

Seminar on Pakistan Remittances Initiative (PRI)

December 2016
Economics Society

Techi Summit 2016

December 2016
The Organizer Club

Annual Get Together

December 2016
Botany

Short Film Festival/ Animation Festival 2016

November 2016
SADA

NUKTA' 2016 UOG

November 2016
Debating Society

October 2016
UOG VC Corps

**Seminar on Peace, Tolerance and Harmony in
Collaboration with Directorate-General Public
Relations, Government of Punjab**

November 2016
SSC

Karvan-e- Yaqjheti

August 2016
UOG VC Corps

Express Education Expo, 16

August 2016
UOG VC Corps

Orientation Session for newly admitted students

October 2016
SSC

14th of August 2016 Pakistan Day Celebrations

August 2016
UOG VC Corps

**Social Leadership Summit: Abdul Sattar Edhi (I am
Pakistan)**





**WE
DON'T
ROAR**

**CLAWS
OF
STEEL**

**WINGS
OF
SILK**

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Sports

Sports Department, UOG was established in 2007. The Sports Department, UOG provides all essential facilities to the students for physical activities, particularly sport purposes for the well-being and healthy grooming of 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, Sports Department, UOG provides following facilities/services to their students:

1. Provides indoor sports facilities for male & female students such as, Basketball, Gymnastics, Chess, Badminton, Karate, Netball, Table Tennis & Weightlifting.
2. Provides outdoor sports facilities for male and female students such as Athletics, Cricket, Football, Kabaddi, Volleyball & Tug of War.
3. Conducts Annual Sports Gala at each year in which students from UOG Hafiz Hayat Campus, all City Campuses of UOG and all Campuses from 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 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 constructing Allama Iqbal Hall as Multipurpose Hall at UOG. The funds are provided by Higher Education Commission, Islamabad. 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 and Weightlifting etc. have become popular among students.



Inter-faculty / Inter-departmental Sports

Following is the detail of Inter-faculty / Inter-departmental sports held during 2016-17:

A) Event Name: Interfaculty Cricket Men Championship 2016-17

Organized By:	Directorate of Sports, UOG
Date of Commencement	07th to 15th November 2016
Venue:	Sports Ground
No. of Participating Teams	09
Participating Faculties/ Campuses:	1. Faculty of Engineering & Technology 2. Faculty of Arts 3. Faculty of Basic Sciences 4. Faculty of Management & Administrative Sciences 5. Faculty of Computer Science & Information Technology 6. Faculty of Social Sciences 7. SADA, UOG 8. FMAS Evening Program (UOG G.T Road Campus) 9. C&IT Evening Program (UOG Marghar)
No. of Participants (Students):	Approximately 135 Men Student Players
Championship Runners Up:	Faculty of Computer Science & Information Technology
Winner:	FMAS Evening Program (UOG G.T Road Campus)
Man of the Match	Muhammad Awais (FMAS Evening Program)
Chief Guest	Chairman Sports Board, University of Gujarat



B) Event Name: Sports Gala Fall 2017

Organized By:	Directorate of Sports, UOG
Date of Commencement	29th to 06th April 2017
Venue:	UOG Sports Complex
No. of Participating Teams	Allama Iqbal Hall All Students (Male & Female), Faculty and Administrative Staff of UOG
Participating Faculties/ Campuses:	UOG Hafiz Hayat Campus UOG City Campus G.T Road Gujrat UOG City Campus Railway Road, Gujrat. UOG City Campus Marghzar, UOG Fatima Jinnah Campus Fawara Chowk, Gujrat UOG Rawalpindi Campus UOG Sialkot Campus
No. of Participants (Students):	Approximately 135 Men and Woman Student Players
No. of Spectators:	15000 Approximately
Games & Events:	<p>Athletics (Men): 100m, 200m, 400m, 800m, 1500m, 4x100 m Relay race, Long Jump, Triple Jump, Discus Throw, Shot Put & Javelin Throw</p> <p>Athletics (Women): 100m, 200m, 400m, 800m, 4x100 m Relay race, Long Jump, Discus Throw, Shot Put & Javelin Throw</p> <p>Badminton, Basketball, Chess, Table Tennis, Tug of war, Foot Ball, Cricket.</p> <p>Cricket (Men Staff), Badminton (Men and Women Staff), 100 Meter Race (Men Staff)</p>
Games & Events:	<p>Trophies: Awarded Trophies to Department & Best Athlete (Men & Women)</p> <p>Medals: Awarded Gold Medals to 1st Position Holders in Athletics Event Awarded Silver Medals to 2nd Position Holders in Athletics Event Awarded Bronze Medals to 3rd Position Holders in Athletics Event</p> <p>Certificates: Awarded Certificates to all Students who participated in Games & Events of Annual Sports Gala 2017.</p>
Chief Guest	Worthy Vice Chancellor, University of Gujrat

C) Departmental Sports Day

Sports Department, UOG facilitates various departments to Conduct Departmental Sports Day from 01.07.2016 to 30-06-2017. Details of Departments are as under:

- Sports week organized by UOG Girls Hostel at HH Campus on 05 January 2017.
- One-Day Departmental sports Day organized by Department of Physics at HH Campus on 17 January 2017.
- One-Day Departmental Sports Gala organized by Department of Computer Science at HH Campus on 18 January 2017.
- Departmental Sports day conducted by Department of Information Technology at HH Campus on 19-20 January 2017.
- Departmental Sports Gala organized by Department of Botany at HH Campus on 27 January 2017.
- Sports Week organized by Nawaz Sharif Medical College on 13th to 18th March 2017.
- Department of Electrical Engineering HH campus organized Cricket Tournament on 11.04.2017 to 14-04-2017.
- Faculty of Engineering & Technology at HH Campus organized Cricket Tournament on 18.04.2017 to 05-05-2017.



Intervarsity Sports

Following is the detail of Intersarsity Sports held during 2016-17:

D) Event Name: Intersarsity Cricket Men (Zone-C) Championship

Organized By:	COMSATS Islamabad under the supervision of HEC
Date of Commencement	08th to 13th December,
Venue:	Islamabad
Participating Team	UOG Cricket Team
No. of Participants :	15 student players

E) Event Name: Intersarsity Base Ball Men Championship 2016-17

Organized By:	University of Gujrat under the supervision of HEC
Date of Commencement	23rd to 13th January, 2017
Venue:	Sports Complex University of Gujrat
Participating Teams	08
Name of Participating Universities:	<ul style="list-style-type: none"> · Air University Islamabad · Imperial College of Business Studies, Lahore · The Islamia University, Bahawalpur · The University of Punjab · Superior University Lahore · University of Central Punjab · University of Veterinary & Animal Sciences Lahore · University of Gujrat
No. of Participants (Students):	134 Students Players from above cited Universities.
Awards	<p>1st Position: Rs.34400 & Trophy to University of Central Punjab.</p> <p>2nd Position: Rs.25500 & Trophy to Imperial College of Business Studies, Lahore</p> <p>3rd Position: Rs.18000 & Trophy to The Islamia University Bahawalpur.</p>
Chief Guest	Worthy Vice Chancellor, University of Gujrat Chairman Sports Board, University of Gujrat



FINAL YEAR MBBS

WINGS
OF

BEDATO

Final

M.B.B.S

Some Legends are Told, Some

But

You will Remember Me for

5th Annual Sports Gala

All Pakistan Bilingual



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University Building Leadership

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

UOG faculty members have actively participated in educational sphere for upgrading/improving the higher education sector in Pakistan. The faculty and staff members are fully involved in several activities despite the fact of performing leadership role. Some of the significant achievements of UOG faculty during 2016-17 are as below:

- I. Prof Dr. Javed Haider Syed, Department of History, member of National Curriculum Review Committee of HEC, Regional Center Lahore.
- ii. Dr. Muhammad Dilshad Mohabbat, Department of History, member of National Curriculum Review Committee of HEC, Regional Center Lahore.
- iii. Prof. Dr. Javed Haider Syed, Department of History, member of National Curriculum Review Committee of HEC, Regional Center Peshawar.
- iv. Dr. Mujahid Farid is working voluntarily as an "Environmental expert in the Environmental Approval Committee of Gujranwala Division" Under the Ministry of Environment of Pakistan
- v. Department of Geography acts as member of HEC National Curriculum Research Committee Geography.
- vi. Dr. Sumera Afsheen, Associate Professor as member of Election Commission for conducting election for various faculty position as member of the Academic Council of the UOG.
- vii. Dr. Muhammad Shahzad Sarfraz, Associate Professor, Department of Computer Science as member BOS G.C. University Faisalabad, Pakistan.
- viii. Dr. Muhammad Shahzad Sarfraz, Associate Professor, Department of Computer Science as member of Punjab Public Service Commission, Pakistan.
- ix. Dr. Muhammad Shahzad Sarfraz, Associate Professor, Department of Computer Science as member National Curriculum & Research Committee, Pakistan.
- x. Mr. Ghafar Mohiudin, Assistant Professor, Department of Ceramics is the member of the National Council on Education for the Ceramics Arts(NCECA), USA for Demonstrating Artists Programming.
- xi. Mr. Ghafar Mohiudin, Assistant Professor, Department of Ceramics is the member of the Pakistan US Alumni Network, Lahore (PUAN).
- xii. Mr. Ghafar Mohiudin, Assistant Professor, Department of Ceramics is the member of PUAN Enactive Committee.
- xiii. Muhammad Asif Ashraf, Assistant Professor, Department of Fine Arts is the member of the BOS Punjab University Art and Design.
- xiv. Dr. Muhammad Mushahid Anwar, Professor, Department of Geography is the member of National Curriculum Research Committee Geography, HEC.
- xv. Dr. Shahzad Sarfraz, Chairperson, Department of Computer Science is the member of e-Health Association of Pakistan.
- xvi. Dr. Umer Shoaib, Assistant Professor, Department of Computer Science is the member of Steering Committee of European Association for Cognitive Systems.
- xvii. Dr. Umer Shoaib, Assistant Professor, Department of Computer Science is the member of EU Robotics.
- xviii. Dr. Umer Shoaib, Assistant Professor, Department of Computer Science is the member of IEEE RAS.
- xix. Mr. Zaigham Abbas, Lecturer, Software Department received award titled " MS AZURE EDUCATION GRANT" on the basis of big data analytics from Microsoft on 28th October, 2015.
- xx. Dr. Javed Haidar Syed, Professor, Department

of History is the member of NIHCR, Quaid-I-Azam University, Islamabad.

xxi. Dr. Javed Haidar Syed, Professor, Department of History is the presided of Board of Studies in Pakistan Studies, SBKW University, Quetta.

xxii. Dr. Javed Haidar Syed, Professor, Department of History is participated in Board of studies in Archaeology department, University of the Punjab, Lahore.





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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 the 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 2016-17

	2014-15	2015-16	2016-17
A. RECEIPTS			
Grants in Aid (Higher Education Deptt., Government of Punjab)	68.874	80.117	116.406
Grants in Aid (Provincial Government) Health	150.000	127.500	150.000
Grant in Aid (Federal Government)	333.366	379.257	493.180
Receipts from all own sources	732.572	809.570	1181.661
Total Receipts:	1284.81	1396.444	1941.247
B. NON DEVELOPMENT EXPENDITURE			
Pay & Allowances	648.150	820.635	1144.703
Other Charges/operating expenses/contingencies etc.	301.816	379.142	422.378
Total Expenditures:	949.966	1199.777	1567.081
C. TRANSFERS	300.000	15.000	30.000
D. DEVELOPMENT EXPENDITURE UOG	61.796	193.037	298.417
Surplus (Deficit) (A-B-C-D):	(26.950)	(11.370)	54.749
UNIVERSITY DEVELOPMENT ACCOUNTS (GOVT. GRANTS)			
GRANTS RELEASED) Total (Federal & Provincial Government)	133.610	756.866	180.444
EXEPNDITURE INCURRED Total	161.326	154.532	361.238

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 2016-17, the UOG received Rs 266.406 million from Government of the Punjab

and Rs 493.180 million from the Higher Education Commission. These funds were less as compared to the UOG's own resources amounting to Rs. 1181.661 millions.

Development Budget

Government allocated Rs 180.444 million for two projects at the University of Gujrat, i.e. Establishment of Nawaz Sharif Medical College (UOG) & Uplifting of Aziz Bhatti Shaheed (DHQ) as Teaching Hospital and Construction of multipurpose hall and Strengthening & Expansion of University.

Major development is intended to execute in next years through The Federal Government/PSDP funded project Strengthening & Expansion of UOG". The details of developmental budget year wise are given below:

Development Grants (Government)

	2014-15	2015-16	2016-17
RECEIPTS			
Establishment of University of Gujrat (Provincial)	94.160	-	-
Establishment of NSMC & Uplifting of ABS (DHQ) as Teaching Hospital (Provincial)	39.450	8.330	100.000
Construction of Multipurpose Hall (Federal)	0	12.000	-
Strengthening & Expansion of UOG (Federal)		720.771	60.510
Other Grants		15.765	19.934
Total	133.610	756.866	180.444
EXEPNDITURE			
Establishment of University of Gujrat (Provincial)	93.989	-	-
Establishment of NSMC & Uplifting of ABS (DHQ) as Teaching Hospital (Provincial)	38.337	8.329	51.032
Construction of Multipurpose Hall	29.000	20.441	8.522
Strengthening & expansion of UOG	-	121.244	279.027
Other Grants	-	4.818	22.657
Total	161.326	154.832	361.238
BALANCE CARRIED FORWARD TO NEXT YEAR	22.074	622.823	393.061

Recurring Budget

The University of Gujrat received annual recurring grants from the Higher Education Commission,

Islamabad and Higher Education Department, Government of the Punjab to the tune of Rs493.180 million and Rs 266.406 million, respectively. The details are given below:

Source of Annual Recurring Budget (2016-17)

Source of Finance	Rs (millions)
Higher Education Commission	493.180
Higher Education & Health Dept, Punjab	266.406
Total	759.586

Self-Generated Income

UOG generated income through its own sources i.e. Rs 1181.661 million during the reporting year (2016-17). 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 2016-17 is as follows:

University Own Sources	Rs (millions)
Academic Fees /charges etc. (all programs)	1052.298
Receipts from Examination fees (affiliated colleges, private students etc.)	89.309
Sale of Forms, Bid money and others, etc.	40.0541
Total	1181.661



Source of Annual Recurring Budget

Total Expenditure (Rs million)	1567.081
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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)	1181.661
Total Expenditure (Rs million)	1567.081
Spending Pattern Ratio (Total Expenditure/Academic Receipt)	1.33 : 1





Prof Dr Farah Ullah Yousafzai
Guest Faculty of Arts
University of Sindh

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University Governance

Being Public Sector University, 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

According to UOG ACT IX 2004 (amended), the Syndicate shall be the executive body of the University and subject to the provisions of this Act and Statutes takes effective measures to raise the standard of teaching, research, technological development, publication and other academic pursuits and exercise general supervision over the affairs and management of the property of the University. The Syndicate supervises and controls administrative, academic, and financial affairs, and lays down policies of the UOG. The meetings of the Syndicate are to be held biannually, and is chaired by the Vice Chancellor, UOG. The Syndicate shall consist of – (i) the Vice-Chancellor who shall be its Chairperson; (ii) three members of the Provincial Assembly of the Punjab including at least one female member of the Assembly] to be nominated by the Speaker of the Assembly; (iii) the Secretary to Government of the Punjab, Education Department or his nominee not below the rank of Additional Secretary; (iv) the Secretary to Government of the Punjab, Finance Department or his nominee not below the rank of Additional Secretary; (v) the Secretary to Government of the Punjab, Law and Parliamentary Affairs Department or his nominee not below the rank of Additional Secretary; (vi) the Chairman of the Higher Education Commission or his nominee not below the rank of a whole time member of the Commission; (vii) one Vice-Chancellor of any public University of the Punjab to be nominated by the Chancellor; (viii) three Deans of the faculty to be nominated by the Chancellor; (ix) five persons

including at least two women] of eminence to be nominated by the Chancellor; (x) Chairman Board of Intermediate & Secondary Education, Gujranwala; (xi) two Principals of constituent colleges including at least one female Principal, if available] to be nominated by the Government; (xii) two Principals of affiliated colleges including at least one female Principal, if available] to be nominated by the Government; and (xiii) the Executive District Officer (Education), Gujrat.

The Registrar shall be the Secretary of the Syndicate and Members of the Syndicate, other than ex-officio members, shall hold office for three years.

Particularly, the number of members to constitute the quorum for a meeting of the Syndicate shall be eight. During 2016-17, four (04) meetings of the Syndicate held at various times. Detail of these meetings are as follows:

**29th Syndicate Meeting held on 30-06-2016,
No. of Agenda 11, No. of Table Agenda 05**

**30th Syndicate Meeting Held on 14-10-2016
No. of Agenda 17, No. of Table Agenda 05**

**31st Syndicate Meeting Held on 02-01-2017
No. of Agenda 12, No. of Table Agenda 08**

**32nd Syndicate Meeting Held on 03-05-2017
No. of Agenda 12, No. of Table Agenda 13**

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 examinations, affiliated colleges and other academic affairs of the university. UOG Academic Council is liable to advise the Syndicate on academic matters for the smooth function of the university academia affairs. One (01) of the Academic Council was organized during 2016-17. The Vice Chancellor, UOG presided the meeting. Details of meeting are as follows:

**A) 8th Meeting of Academic Council
held on 23rd December, 2016**

Agenda Item 1:

Confirmation of the proceedings of 7th meeting of

Academic Council

Agenda Item 2:

Approval of the Recommendation of Board of Studies.

Agenda Item 3:

Approval of UOG Student Conduct and Disciplinary Rules 2016.

Agenda Item 4:

Approval of the Reserve Seats against Gilgit-Baltistan Quota.

Agenda Item 5:

Approval to Issue the Transcript of MSc Statistics Program as a Time Barred Case.

Agenda Item 6:

Approval to Issue the Final Transcript of Mr. Khawar Shehzad Bearing Roll No. 09021920-073.

Agenda Item 7:

Considering the admission for Fall 2013 as Spring 2014 for PhD Program in Department of Zoology.

Agenda Item 8:

Relaxation in existing Teaching Workload of Professor/Deans.

Agenda Item 9:

Approval of the Actions Taken by the Worthy Vice Chancellor, UOG under Section 14 (1) of the UOG ACT IX of 2004.

Agenda Item 10:

Approval of the Actions Taken by the Worthy Vice Chancellor, UOG under Section 14(3) of the UOG ACT IX of 2004.

T. Agenda Item 1:

Adoption of proposed syllabus for M.A Health & Physical Education Part-II (Annual System) for affiliated colleges, Academic Session 2016 & Onward.

T. Agenda Item 2:

Approval of Migration/Transfer Credits Policy.

T. Agenda Item 3:

One reserved seat for each HEC & Industry-Academia Linkage Funded Scholarships for Admission in MSc. Engineering, MS/M.Phil in Computer Science, Management Sciences and Information Technology Programs.

T. Agenda Item 4:

Approval for the Collaboration of University of Gujrat with the Aberystwyth University, UK

Advanced Studies and Research Board (ASRB) Meetings

In UOG, Advanced Studies and Research Board (ASRB) performs functions to promote research oriented culture and to : (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 about research degrees in the University; (iv) 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; and (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. Details of ASRB meeting is as follows:

- ASRB Meeting held on 21st March, 2017





Office of Research Generation/ Development

Initiatives and Implementation

In UOG, the management offices, i.e., the Vice Chancellor, the Registrar, Director (Academics), Director (Planning & Development), Director (Quality Enhancement Cell), Director (Students Services Center), Director (IT Services), Director (A&C), Director (Works), Director (Financial Aid Office) and Director (ORIC) are playing vital role for creating human resource development with consultation of Academic Deans. The Office of the Vice Chancellor and the Registrar Office are the key offices to take-up important decisions to run the university affairs in a better way and maintain conducive working environment. All these offices provide all kinds of support to academic Dean Offices for executing their academic work on 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 2016-17, following are the key initiatives with their implementation:

1. Department of Management Sciences started working on Accreditation process with National Business Education Accreditation Council.
2. A Seminar was arranged on Pakistan Remittances Initiative (PRI) and its Role in Sustainable Economic Development of Pakistan UOG HH Campus.
3. Two Days Workshop was arranged on Research Proposal Writing and Research ethics organized at HH Campus.
4. Seminar on "Current Status of Pakistan Economy after Completion of IMF Extended Fund Facility Program" was arranged by Department of Economics at Government Post Graduate Gordon College, Rawalpindi.
5. Seminar on "Role of Foreign Exchange Reserves in Macroeconomic Stability and Economic Development of Pakistan" was arranged by Department of Economics at Government Post Graduate College, Jhelum.
6. Seminar on "Role of Exchange Rate in Macroeconomic Stability and Sustainable Growth of Pakistan" was arranged by Department of Economics at Government College for woman University, Sialkot.

7. Seminar on "Understanding Macroeconomic Indicators of Pakistan Economy and Challenges in Rapidly Changing Global Economic Scenario" was arranged by Department of Economics at Government Postgraduate College, Chakwal.
8. Pakistan's First State of the Art and Purpose built 9000 sq/f Ceramics Design Studio, along with worth of around 40 million PR latest and imported Equipped studios with spacious areas, 3D Ceramics Printing, figure modeling, slip casting, glaze research, and firing electric, gas, soda, and Raku kilns were designed and developed by the Department of Ceramic Design.

Future Plans

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

- i To start up PhD Program in various faculties.
- ii To prioritize the projects of research and faculty development.
- iii The construction of faculty residencies and hostels for students.
- iv Faculty Development and Financial Growth of Department of Management sciences
- v To enhance the quality of education through teaching and research.
- vi To offer solution oriented learning through collaboration with business and social communities.
- vii The arrangement of Annual Conference by the Department of Commerce.
- viii The strengthening of Graduate Programs (PhD and MPhil)
- ix The induction of PhDs in the departments and starting of M.Phil/MS Programs in specialized areas by the Department of Psychology.
- x The establishment of Lab for Energy Development by the Department of Chemistry.
- xi The Department of Statistics is planning to initiate Data Analysis and Consultancy Center in near future.
- xii The Establishment of Animal House by the Department of Zoology.
- xiii In future, the School of Law aims to establish an Institute of Advanced Legal Studies. Research degrees, Post-Graduate courses and

diplomas in different fields of law such as International Human Rights, Islam and Human Rights, International Environmental Law, World Trade Organization, Regulation of Multinational Corporations, Islamic Legal

Theories, Telecommunication, Taxation (laws and practice), Media Laws, Feminist Legal Theories, International Criminal Law, Intellectual Property, Law of Armed conflict will be offered.





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Health Centre/ Medical Facilities

Medical Facilities available at NSMC College

Government of the 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 with the aim 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 UOG and Aziz Bhatti Shaheed Hospital (DHQ) as a Teaching Hospital" with the cost of Rs.1974.246 Million, out of which Rs.1630.360 Million have already been utilized. Now, more than 80% work is completed. The construction work of Academic block including public health is in progress, which will be completed in next year. Currently, above 400 Hundred students are studying in MBBS program. Seven (07) Basic Medical Sciences Departments and Sixteen (16) Clinical Sciences Departments are operational in medical college. The

Pakistan Dental and Medical Council awarded FCPS training for MBBS doctors in various clinical departments.

Heath Care Centre

Health Care Centre comprises of: i) one (01) Reception, one (01) Medical Inspection Room, one (01) Diagnostic Lab and one (01) Detention/Treatment Room. Medical officer examines the patients in Medical Inspection Room and advises treatment accordingly and also provides medicines to the patients. In addition, a proposal of dispensary is also under consideration for boosting the health services for university employees and students.

Advance Research & Diagnostic Lab at Medical Block UOG

An advanced Research & Diagnostic Laboratory is fully equipped with latest automated analyzers for Diagnostic and Research purposes including Molecular Medicine and Drug Research for providing laboratory tests including molecular diagnostic tests. The purpose of this laboratory is to assist researchers of medical field by providing them high quality diagnostic laboratory testing services.





VICE CHANCELLOR'S
SECRETARIAT