BISMILLAH IR-RAHMAN IR-RAHIM

“(I START) IN THE NAME OF ALLAH, THE MOST BENEFICENT, THE MOST MERCIFUL”
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It is matter of great pleasure that University of Wah is launching Annual Report for 2014-15. I am delighted to note that University of Wah since the award of charter in 2009, has been growing steadily, fulfilling the needs of education and research by offering study programmes in disciplines of Basic Sciences, Social Sciences, Management Sciences and Engineering Sciences both at graduates and post graduates levels. Thus transforming the lives of hundreds of young men and women.

Perusal of the Annual Report 2014-2015 reflects a focused approach adopted for materializing the vision behind establishment of the University. The performance of the University as reflected by output indicators and success stories is a testimony of efforts of faculty, administration, researchers and students alike. These accomplishments will serve as minimum benchmarks for providing direction for future milestones and gauging performance of the University in coming years.

I extend my congratulations to the Vice Chancellor, Management, Faculty Members and staff of the University of Wah on the occasion of publication of Annual Report and wish them all the best in future endeavours.

Mr. Malik Muhammad Rafique Rajwana
Governor of the Punjab
As Chairman Board of Governors, I’m pleased to witness that University of Wah is progressing at a rapid pace towards its envisioned goal. The University, with high ideals and strong performance, is endeavoring relentlessly not only to become a centre of excellence in teaching and research but also to produce socially responsible individuals for the society.

UW provides quality education with a scientific approach. It has defined quantifiable goals and targets to satisfy students’ educational aspirations. These are evaluated and reviewed periodically.

UW emphasizes not only on producing balanced and well-rounded individuals but also on developing ethical, physical and academic traits in students, who will play a constructive and decisive role in social and economic uplift of the country. Due importance is also given to character building by strengthening religious beliefs and ethical values. UW aims at producing good professionals, citizens and leaders by providing education on egalitarian basis in a congenial and conducive environment.

I wish UW a continued success in the forthcoming years. With its dynamic and committed management and faculty, the University is poised to achieve its coveted mission and objective.

Lt. Gen. Omar Mahmood Hayat HI (M)
Chairman,
Pakistan Ordnance Factories
University of Wah is well cognizant of its cherished vision of producing responsible and participative citizens for the rapidly changing socio-economic environments. The University is continuously improving academically and administratively. To that end, the quantum improvements initiated have started impacting every aspect of UW.

UW is also going through a self-evaluation process through its recently established bodies to further improve its teaching and learning processes with appropriate emphasis on “unlearn to learn”. Additionally, we have embarked upon building alliances and collaborative partnerships with reputed local and foreign institutions.

To complement these efforts, UW is improving the quality of its student intake through online registration, computerized entrance / aptitude examination and greater emphasis on these results in formulation of admission merit list, and the datum is being raised with every entry.

The many recent endeavors of the University and those in pipeline will help us retain our position as a credible source of higher education in the country, while maintaining religious and societal values.

Engr Khaliq Ur Rehman Shad
Ph.D. (Stanford)
Established in 2005, University of Wah was granted Charter by Punjab Provincial Assembly in 2009. It is a private-sector higher education institution founded with the vision of achieving excellence in unbiased dissemination of quality education to all.

The University is offering HEC approved 4 years Bachelors and 2 years Masters programs in Basic, Social, Computer, Management and Engineering Sciences. It has two constituent colleges, Mashal Degree College (MDC) and Wah Engineering College (WEC). WEC is offering BS Engineering Technology and B.Sc. Engineering programs in the fields of Civil, Chemical, Electrical, Mechanical and Mechatronics. Side by side, the College has also been offering MS and PhD degree programs in the fields of Electrical and Mechanical, whereas, MDC is offering B. Com (2 years) and BS (4 years) programs in selected areas (for females only).

Since its establishment, the University has manifested remarkable progress and it is now in the process of producing a community of scholars committed to making inroads into unchartered areas of knowledge both in the emerging and traditional disciplines for which numerous facilities of advanced levels are being provided at the campus. With an ever-growing 4000 student-base, over 300 dedicated faculty members and an efficient management, it is poised to emerge as an institution of higher education responsive to technological change and research needs of the country by providing enabling environments.
Year in Review

Annual Report provides a detailed account of progress made in different spheres of academics, research, infrastructure and administrative developments during the year. Hallmarks of academic year 2014-15 include: online registration, computerized entrance/aptitude examination, establishment of Quality Assurance and Enhancement Cell (QA & EC), Office of Research, Innovation and Commercialization (ORIC), Directorate of Student Affairs, Students’ Facilitation Centre and Media-Publication Wing.

Enrollments at the University registered an upward trend. The overall enrollment of the University is 1284. Out of the total enrollment, 877 were under-graduate and 407 were at graduate levels.

Academic programs offerings were expanded to include B.Sc. Engineering / BS (Hons) /BA /BBA /BSAF /B.Ed /B. Com /BS Engineering Technology / M.Sc. / MA/ MBA/ EMBA/ M.Ed./ MS/ M.Phil and Ph.D. programs running in different disciplines. All programs are accredited by the relevant councils.

Universities cannot flourish and achieve excellence without interaction, coordination and networking with local, national and international public and private sector universities and research institutions. In this regard, University has obtained research funding from ICT R&D Research Initiative Program 2014-15 by Higher Education Commission (HEC). The University is also involved in research collaboration with the following institutions:

- H.E.J Research Institute of Chemistry, International Center of Chemical and Biological Sciences (ICCBS), University of Karachi
- School of Natural Sciences (SNS), NUST, Islamabad
- Advanced Engineering Research Organization (AERO), Wah Cantt
- NIH (Allergy Centre), Islamabad
- Institute of Aqua Culture and Fisheries-NARC, Islamabad
- PMAS-Arid Agriculture University, Rawalpindi

The University not only organizes numerous Seminars/Workshops/Conferences to augment the class teaching and professional development of faculty and staff but also provides opportunities to the faculty to go abroad for projects presentation/demonstration. Moreover, different training sessions are also organized to provide practical experience to the students. The faculty is also encouraged to develop knowledge repositories in the form of local, national and international research publications. Publications during the reported period (2014-2015) have reached a figure of 30 till date.

The concept of blending talent and aptitude with skill requires vision and strategy, as talent is inborn and needs to be discovered and developed. Discovering students’ natural talent and building upon it is fundamental to the University of Wah. Placement Bureau and Internship
office has initiated dialogues and has developed linkages with a number of NGOs and industries in order to help students in their internship and career placements.

A total of 20 Ph.D. / M.Phil. scholars are pursuing their MS / M.Phil. / Ph.D. studies abroad such as Malaysia, Italy, New Zealand, Hong Kong, China and some are pursuing their degrees in local universities.

Year 2014-15 also witnessed the visits of the HEC IPEP Review Panel, National Computing Education Accreditation Council (NCEAC) and PEC Accreditation Team to the University of Wah. The innovative University summer semester bridge retention program has met with resounding success, as its initial class of students has completed their second academic semester successfully. The academic year 2014-15 was the continuation of infrastructure and technological growth at the University. Several new buildings were completed at campuses and work on several others was initiated. The afore-stated includes the construction of WEC Academic Block, Mashal Degree College Admin Block, Mashal Degree College Academic Block, Admin Extension, VC Secretariat Extension, UW Cafeteria, Girls Hostel, Multipurpose Hall, Drawing Hall, expansion of WEC Library and Enhancement / change of IT Office. Moreover, to augment the existing sports infrastructure, additional sports facilities have been established in this academic year. These include: two Basketball courts, two Badminton courts and Table Tennis facility.

Alumni Portal has been created for online registration of UW graduates. The University invested significant resources to offer a comprehensive range of co-curricular activities, such as sports, societal and entrepreneurial skills, where-in the students become aware of their personality development. The events held in this regard are projected in the Annual Report.

The University has also took active part in Education Expos in 2015. The UW team set up the University stall, highlighting the educational activities of the University and its constituent colleges and the academic programs offered. Giveaways were also presented to visitors as memorabilia. The Statutory Bodies of the University met at regular intervals to support and strengthen academic and administrative plans of the University. The University Statutory Bodies include:

- Board of Governors
- Academic Council
- Finance & Planning Committee
- Board of Advance Studies and Research
- Selection Board

The list of national and international publications and financial outlay for the year 2014-15 are placed at Annexures I and III respectively.
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**University Management**

Pursuant to University of Wah Act 2009, meetings of the Statutory Bodies of University of Wah are held regularly under the chairmanship of the Chairman Board of Governors and the Vice Chancellor. An interactive approach is adopted in decision making. Various academic, developmental and administrative decisions are taken in consultation with participants of the committees and thereafter, approved by the Board of Governors.

**Board of Governors Meeting**

The Board of Governors is the chief executive body of the University, which holds its meetings at scheduled intervals to discuss and ratify the decisions of lower bodies and provide policy guidelines for undertakings of the University.

Fifth Meeting of the Board of Governors of the University was held on 08 April, 2015. Chairman Board of Governors, Lt. Gen. Muhammad Ahsan Mahmood, HI (M), presided over the meeting. The Board deliberated on the following agenda points:

- Confirmation of Minutes of 4th Board of Governors Meeting held on 13 June, 2014
- Approval of the Minutes of the Meeting of Selection Board of University of Wah held from 19 - 21 August, 2014, 07-08 January, 2015 and on 25 March, 2015
- Budget approval for the Financial Year 2015-16
- Confirmation of actions taken by the Chairman, Board of Governors in anticipation of the approval of the Board of Governors
Academic Council Meeting

Fourth Meeting of Academic Council

Fourth Meeting of Academic Council of the University was held on 10 December, 2014 on the following agenda points:

- Confirmation of Minutes of 3rd Academic Council Meeting held on 07 May, 2014

- Consideration of the recommendations of:
  - Board of Faculty of Engineering
  - Board of Faculty of Basic Sciences
  - Board of Faculty of Social Sciences and Humanities
  - Board of Faculty of Computer Sciences

- Approval of the Rules and Regulations regarding M.Phil./MS degree programs

- Inclusion of the Community Service Course (non-graded) in under-graduate programs of the University

- Approval of the actions taken by the Vice Chancellor in anticipation of Academic Council meeting
Fifth Meeting of Academic Council

Fifth Meeting of Academic Council of University of Wah was held on 17 June 2015, on following agenda points:

- Confirmation of Minutes of 4th Academic Council Meeting held on 10 December, 2014
- Consideration of the recommendations of:
  - Board of Faculty of Engineering
  - Board of Faculty of Basic Sciences
  - Board of Faculty of Social Sciences & Humanities
  - Board of Faculty of Computer Sciences
- Revision of the Grading System
- Approval of the decisions taken by the Vice Chancellor in anticipation of Academic Council meeting

Finance & Planning Committee Meeting

Sixth meeting of the Finance and Planning Committee of the University for budget allocation for FY 2015-16 was held on 30 March, 2015.
Selection Board / Selection Committee Meetings

To strengthen the human resource of the University, Selection Board and Selection Committee meetings were held during 2014 and 2015 for the induction of highly qualified faculty and experienced administrative staff.

Selection Board

As per University policy, Selection Board were held for selection of faculty and senior admin staff. Two Selection Boards were held on the following dates:

- 07-08 January, 2015 for selection of faculty
- 25 March, 2015 for selection of Registrar

Selection Committee

Selection Committee meetings were held for selection of administrative staff on the following dates:

- 1st meeting was held on 03 October, 2014
- 2nd meeting was held on 30 October, 2014
- 3rd meeting was held on 12 November, 2014
- 4th meeting was held on 04 May, 2015
- 5th meeting was held on 18 May, 2015
- 6th meeting was held on 20 May, 2015
- 7th meeting was held on 13 July, 2015

Relinquishment of Office of Chairman Board of Governors

Lt. Gen. Muhammad Ahsan Mahmood HI (M), Chairman POFs Board and Chairman, Board of Governors, University of Wah relinquished his office on the eve of his retirement on 19 April, 2015.
A Board of Governors meeting was held on 08 April, 2015 to acknowledge the contributions rendered by the outgoing Chairman. A Resolution of Gratitude was unanimously passed by the BOG.

Assumption of Office of Chairman Board of Governors

Lieutenant General Omar Mahmood Hayat HI (M) has recently taken over as Chairman POFs Board and Chairman BOG, University of Wah. He brings with himself 32 years of varied and valuable experience of academic institutions and services both within the country and abroad. While welcoming the Chairman we are very sure that the University will progress by leaps and bounds under his patronage. Sir, welcome to the family.

Chairman Board of Governors Visit-UW

Lt. Gen. Omar Mahmood Hayat HI (M), Chairman POFs Board and Chairman BOG visited University of Wah on 06 August, 2015. After a comprehensive briefing by the Vice Chancellor, Professor Dr. Khaliq Ur Rehman Shad SI (M), the Chairman visited construction sites in Quaid Campus for future development projects.
Chairman Board of Governors Visit
Appointment of Registrar-UW

Brig. Rao Jamil Asghar SI (M) (Retd) has been appointed as Registrar University of Wah w.e.f. 30 June, 2015. He obtained MBA and MA Economics degrees from the University of Sindh, Jamshoro. He has also taken a course on Leadership and HR in Challenging Times from University of Bradford, UK. He has extensive administrative, human resource and academic experience at University of Sargodha and Pakistan Army spanning over 35 years.

Establishment of Directorate of Quality Assurance and Enhancement Cell (QA & EC)

The Directorate of Quality Assurance and Enhancement Cell (QA & EC) has been established in University on 16 July, 2014. Improvement in quality, be it of a product or service, is a must-have commodity for improved organizational performance. It is a never-ending process that provides the organization with a yardstick in achievement of mission, vision and goals which it has set for itself. The recently established Quality Assurance and Enhancement Cell at UW aims to provide guidance and assistance to the University proponents in technical and academic aspects and issues in line with the HEC policy and under the guidance of the Vice Chancellor. Moreover, being part of the educational assessment process, the QA & EC conducts faculty evaluation by students to assess and quantify the effectiveness of faculty members. It also monitors and enhances academic activities at UW, providing solutions for issues faced in due course of action.
Establishment of Office of Research Innovation and Commercialization (ORIC)

The Office of Research Innovation and Commercialization (ORIC) has been established in University on 28 January, 2015. The importance of Research and Development in today’s technology driven society cannot be overemphasized. The objective of this office is to develop, expand, enhance and manage the University’s research programs and to link research activities directly to the educational, social and economic priorities of the University and its broader community, as per HEC guidelines. The ORIC has the responsibility of guaranteeing that all research programs and policies reflect the core values of academic freedom, professional integrity and ethical conduct and full compliance with all policies, legal requirements and operational standards of the University so as to elevate the stature of the University on national level.

Establishment of Students’ Facilitation Centre

Students’ Facilitation Centre has been established on 01 September, 2014 to facilitate resolution of students’ problems as a one-stop office. An online Clearance System has been activated to simplify the clearance process of graduating students.
Establishment of Directorate of Student Affairs

A central Directorate of Students’ Affairs has been established in University on 01 September, 2014. The Directorate ensures the fulfillment of the objective of enhancing students’ participation in co-curricular/extra-curricular activities and greater devolution of powers to students. The Directorate has been established in order to:

- Enhance/encourage extra-curricular activities in a regular manner
- Facilitate participation of larger number of students
- Devolve power to students
- Engage students in constructive pastimes of their interest
- Streamline the selection process for office bearers
- Coordinate issuance of the events calendar for the academic year

Students’ Council, the elected representative student body, is responsible for arranging and managing all the extra-curricular activities. Students’ Council comprises of elected students (office bearers) who co-ordinate and manage various extra-curricular activities in the University under the guidance of the Directorate of Students’ Affairs. Office-bearers of the Students’ Council are involved in implementation of University instructions/policies regarding general discipline of students. The office bearers are expected to display a high level of discipline, adherence to University rules and moral values.

Establishment of Media-Publication Wing

Media Publication Wing has been established at University on 24 November, 2014 to streamline the publication process and project University of Wah in national print and electronic media. Media-Publication Wing is to maintain close liaison with Media houses and various work-centers of the University.
Students’ Council, the elected representative student body, is responsible for arranging and managing all the extra-curricular activities. Students’ Council comprises of elected students (office bearers) who co-ordinate and manage various extra-curricular activities in the University under the guidance of the Directorate of Students’ Affairs. Office-bearers of the Students’ Council are involved in implementation of University instructions/policies regarding general discipline of students. The office bearers are expected to display a high level of discipline, adherence to University rules and moral values.

Security Department of University has taken special measures to enhance campus security in order to provide safe and sound environment to the students. Following measures have been taken in this regard:

- CCTV Cameras, Search Lights and Barriers have been installed
- Boundary walls have been raised
- SOP’s on Security and Weapon Control Policy have been formulated
- New sentry posts have been constructed

Principal WEC addressed students of new intakes of various disciplines at POFIT Hall on 10 November, 2014. The Principal welcomed new students and provided general guidelines and code of conduct on academics, discipline and administrative aspects.
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A blood donation camp was organized by M/S Jamila Sultana Foundation at Wah Engineering College on 17 November, 2014. A total of 139 donors including students, faculty members and staff participated in the event. Vice Chancellor, University of Wah, also donated blood and appreciated the overwhelming response of students for this noble cause.
University Management

Day Care Centre-UW

A Day Care Centre has been established at University of Wah. The Day Care facility was inaugurated by MD Welfare Trust, POFs, Brig. Taqdees Ahmad (Retd.).
Undergraduate and Postgraduate Programs

An academic year is divided into three semesters, i.e. Fall, Spring and Summer. Duration of Fall and Spring Semesters is 18 weeks, while that of Summer Semester is 08 weeks. Admissions in undergraduate and postgraduate programs are announced once a year before Fall Semester. The University offers admission in the following five Faculties:

- Basic Sciences
- Computer Sciences
- Management Sciences
- Social Sciences & Humanities
- Engineering

New Academic Programs

As a dynamic and proactive University, additional academic programs are routinely introduced by the management, thereby, keeping the University abreast with emerging market trends in the field of professional education. In the current year, the following program has been introduced at undergraduate level:

B.S Engineering Technology in Mechanical and Electrical Engineering

It is a four years technology program. Candidates with F.Sc (Pre-engineering) or equivalent having minimum 50% marks and DAE (Electrical / Mechanical) with minimum 65% marks are eligible for admission.

Academic Programs offered by the University

Duration of degree programs depends on the level of education and disciplines offered.

<table>
<thead>
<tr>
<th>Program</th>
<th>Duration (Years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS(Hons)/ BBA/ BSAF</td>
<td>4</td>
</tr>
<tr>
<td>B.Sc (Engineering)</td>
<td>4</td>
</tr>
<tr>
<td>B.S Engineering Technology</td>
<td>4</td>
</tr>
<tr>
<td>B.Ed</td>
<td>1 (After graduation)</td>
</tr>
<tr>
<td>M.Sc. /MA/EMBA/ MS</td>
<td>2</td>
</tr>
<tr>
<td>MBA</td>
<td>3 ½ (After graduation)</td>
</tr>
<tr>
<td></td>
<td>2 (After BBA)</td>
</tr>
<tr>
<td>M.Ed</td>
<td>1</td>
</tr>
<tr>
<td>M.Phil.</td>
<td>2</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>3</td>
</tr>
</tbody>
</table>
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### Academic Activities

#### Breakdown of Departments in Various Faculties

### Faculty of Basic Sciences

<table>
<thead>
<tr>
<th>Department</th>
<th>Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Biosciences</td>
<td>BS(Hons), M.Sc, M.Phil.</td>
</tr>
<tr>
<td>Department of Chemistry</td>
<td>BS(Hons), M.Sc, M.Phil.</td>
</tr>
<tr>
<td>Department of Mathematics</td>
<td>BS(Hons), M.Sc, M.Phil.</td>
</tr>
<tr>
<td>Department of Physics</td>
<td>BS(Hons), M.Sc, M.Phil.</td>
</tr>
<tr>
<td>Department of Statistics</td>
<td>BS(Hons), M.Sc</td>
</tr>
</tbody>
</table>

### Faculty of Social Sciences & Humanities

<table>
<thead>
<tr>
<th>Department</th>
<th>Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Economics</td>
<td>BS (Hons), M.Sc</td>
</tr>
<tr>
<td>Department of Education</td>
<td>BS (Hons), M.A, B.Ed, M.Ed, M.Phil.</td>
</tr>
<tr>
<td>Department of English</td>
<td>BS (Hons), M.A</td>
</tr>
<tr>
<td>Department of Islamic &amp; Pakistan Studies</td>
<td>BS (Hons), M.A, M.Sc</td>
</tr>
<tr>
<td>Department of Psychology</td>
<td>BS (Hons), M.Sc</td>
</tr>
<tr>
<td>Department of Sociology</td>
<td>BS (Hons), M.Sc</td>
</tr>
</tbody>
</table>

### Faculty of Management Sciences

<table>
<thead>
<tr>
<th>Department</th>
<th>Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Management Sciences</td>
<td>BBA, BSAF, MBA, EMBA</td>
</tr>
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</table>

### Faculty of Computer Sciences

<table>
<thead>
<tr>
<th>Department</th>
<th>Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Computer Sciences</td>
<td>BS(Hons), M.Sc</td>
</tr>
</tbody>
</table>

### Faculty of Engineering

<table>
<thead>
<tr>
<th>Department</th>
<th>Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Chemical Engg.</td>
<td>B.Sc, MS</td>
</tr>
<tr>
<td>Department of Civil Engg.</td>
<td>B.Sc, MS</td>
</tr>
<tr>
<td>Department of Electrical Engg.</td>
<td>B.Sc, MS, Ph.D.</td>
</tr>
<tr>
<td>Department of Mechatronics Engg.</td>
<td>B.Sc, MS</td>
</tr>
<tr>
<td>Department of Mechanical Engg.</td>
<td>B.Sc, MS, Ph.D.</td>
</tr>
</tbody>
</table>
Faculty of Basic Sciences & Humanities

Department of Biosciences

Department of Biosciences educates its students in fundamentals of plant and animal worlds, human beings and their interdependence/coexistence. It covers new & evolving bio-scientific tools and technologies that are contributing towards biological revolution, thereby paving the way to save, extend and improve the quality of lives. Research in this area has the ability to help solve the most significant global issues including access to clean water, food production, defense against bioterrorism, natural sources of energy and environmental sustainability.

Department of Chemistry

The Department of Chemistry aims at training its students in Physical, Organic, Inorganic and Analytical Chemistry i.e. the four core areas of Chemical Science in a ‘hands-on’ approach through a blend of teaching and research.
Academic Activities

Department of Mathematics
Mathematics, the most fundamental of all sciences, is the study of numbers, quantities and space (both abstract and practical). At the Department of Mathematics, the students are put through a rigorous study of structure, relationship and pattern in pure and applied mathematics in such a way that they are able to solve problems in diverse fields of human effort such as Engineering, Medicine, Management, Economics, Social Sciences and many more.

Department of Physics
The Department of Physics aims to facilitate knowledge creation, human resource and capacity building in Physics for academia as well as industry by providing quality education in fields of physical sciences as nature and properties of matter and energy, mechanics, heat, light and other radiations, sound, electricity, magnetism and atomic structure.
Academic Activities

Department of Statistics
At the Department of Statistics, the major thrust of teaching and research is focused on development of statistical methodology for pragmatic issues that arise in areas of application in the real world and the consequent decision-making skills to avert these issues.

Department of Statistics

Faculty of Computer Sciences
Department of Computer Sciences
Computer Science is the scientific and practical approach to computation and its applications. It is a fast-developing science with outstanding contributions to science and the society at large. At the Department of Computer Sciences, the students are trained in the fundamental fields of computational science, both in theory and in practice, to enable them to not only develop a working knowledge of the field but also the ability to innovate and make new things happen.
Department of Management Sciences

The Department of Management Sciences aims at delivering quality and relevant education in business and management to its students, conducting and disseminating relevant research on topics of national importance and building strong industrial linkages. Emphasis is placed upon grooming of students in a way that shall prepare them for the modern business world.

Faculty of Social Sciences and Humanities

Department of Economics

The Department of Economics aims at educating its students in modern qualitative and quantitative models and methods of economics that enables the students to consolidate the knowledge of economic theory as well as economic development to enable them to manage scarcity of resources, managing food resources, building trade linkages and play their part as economists in far reaching aspects such as alleviation of poverty.
Department of Economics

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Department of Education

The Department of Education strives to nurture the teachers of tomorrow to be reflective practitioners who continually evaluate the effects of their choices and actions on others for careers in teaching at educational institutions through applied and learning research and development of psycho-social, cognitive and emotional skills in students.

Department of English

The Department of English aims at refining the literary, linguistic as well as research skills of students by helping develop in them oral and written proficiency in English, intellectual and rational expertise and critical understanding of text. Special emphasis is placed upon character building, in retaining fundamental Islamic and ethical values and honesty. The scheme of studies focuses on familiarizing students with various threads and strands of world literature and post-colonial literature.
Department of English

The objective of the Department is to provide quality education in Islamic Studies and Pakistan Studies to inculcate in students strong Muslim identity, qualities of faith, knowledge and good character, fostering brotherhood, strengthening moral character and integrating Islamic Revealed knowledge and Social Sciences for sustainable development of Pakistan and the Muslim World. This department renders its services to all other departments of the University.

Department of Islamic and Pakistan Studies

The objective of the Department is to provide quality education in Islamic Studies and Pakistan Studies to inculcate in students strong Muslim identity, qualities of faith, knowledge and good character, fostering brotherhood, strengthening moral character and integrating Islamic Revealed knowledge and Social Sciences for sustainable development of Pakistan and the Muslim World. This department renders its services to all other departments of the University.

Department of Psychology

The Department of Psychology believes in providing quality education from a knowledge base grounded in clinical research, professional clinical internship facilities with affirming diversity of ideas, values and persons, upholding the highest of ethical principles in professional conduct and maintaining a partnership with institutions and communities within the region so as to develop competent, knowledgeable and skilled professional counselors cognizant of the needs of people they serve.
Department of Sociology
The Sociology program is designed to cultivate sociological imagination among students that emphasizes on critical understanding and analysis of the relationships between individual actions and social structures by critical study of society, its composition, organization, culture, and development. The curriculum deals with historical development of societies, human culture, religion, popular culture and folkways, gender, health and illness, race and ethnic relations and social stratification as well as theoretical and methodological research tools.

Faculty of Engineering
Department of Chemical Engineering
The objective of the Department of Chemical Engineering is to prepare students for all activities related to the operation, design, maintenance, management and supervision of all Chemical, Biochemical and Polymer plants in industrial settings. Special emphasis is placed on working knowledge of Pollution Control and Environmental Processes, Biochemical Processes,
Academic Activities

Materials Science and Material Processing, Heterogeneous Catalysis, Reaction Engineering, Engineering Economics and Entrepreneurial Skills.

Department of Civil Engineering

Civil Engineering is concerned with the procedures and processes of design, construction and maintenance of the physical and naturally built environment for the greater good of mankind. The Department aims at producing civil engineers who have the ability to use imagination, judgement, reasoning and experience to apply the basics of civil engineering to develop concepts into reality.

Department of Electrical Engineering

Department of Electrical Engineering aims at imparting basic understanding and working knowledge of electrical engineering principles through a blend of teaching and collaborative research. Emphasis is put upon the grooming and development of the students’ personalities so as to prepare them for the
Academic Activities

Civil Engineering is concerned with the procedures and processes of design, construction and maintenance of the physical and naturally built environment for the greater good of mankind. The Department aims at producing civil engineers who have the ability to use imagination, judgement, reasoning and experience to apply the basics of civil engineering to develop concepts into reality.

Materials Science and Material Processing, Heterogeneous Catalysis, Reaction Engineering, Engineering Economics and Entrepreneurial Skills.

Department of Mechanical Engineering aims at providing education to its students in the core areas of mechanical engineering as Design of Machines, Devices and Products, Control Systems, Analysis and Synthesis of Mechanical, Thermal and Fluid systems and the generation, conversion, transmission and utilization of Mechanical and Thermal power as well as interdisciplinary fields as Manufacturing Systems, Robotics and Electromechanical devices. Graduates are groomed for professional engagement in industry, government organizations, consulting and research organizations.

Department of Mechatronics Engineering

Mechatronics Engineering has become an essential technological field in the latter part of the twentieth century through advances in fields as integrated Bio-electromechanical Systems, Quantum Computers, nano and pico-systems, Smart Transportation and Intelligent Systems.
The Department of Mechatronics Engineering aims to teach and equip undergraduate students with basic tools and understanding of subjects of Mechanical, Electrical and Computing technologies, designed with a more ‘hands-on’ approach to enable them to automate and innovate.

Department of Engineering Technology

The Department offers 4 years B.Sc. Engineering Technology Degree programs in Electrical and Mechanical disciplines. The programs comprise of courses containing standard engineering modules and extensive laboratory work in latest technology used in industry.
The Department of Mechatronics Engineering aims to teach and equip undergraduate students with basic tools and understanding of subjects of Mechanical, Electrical and Computing technologies, designed with a more ‘hands-on’ approach to enable them to automate and innovate.

As per directive of Chairman POFs Board, a lecture titled was held on 19 November, 2014 at the POFIT Hall. The lecture was delivered by Mr. Zaid Gul of Wah Art & Literary Forum, POFs. A large number of students and faculty members attended the lecture.

The Department of Sociology organized a workshop on “The use of SPSS in Quantitative Research Methods” from 25–26 November, 2014 at University of Wah. The workshop was funded by HEC. The primary objective of the program was to enhance participants' knowledge and skills in quantitative research methods. It focused on quantitative research tools, techniques, methods and approaches to enable participants to carry out independent quantitative research.
The Department of Sociology organized a workshop on "The use of SPSS in Quantitative Research Methods" from 25–26 November, 2014 at University of Wah. The workshop was funded by HEC. The primary objective of the program was to enhance participants' knowledge and skills in quantitative research methods. It focused on quantitative research tools, techniques, methods and approaches to enable participants to carry out independent quantitative research.

Seminar on Establishment of ORIC

As a prelude to establishing an office of Research Innovation and Commercialization (ORIC) a seminar was held on 28 February, 2015 in UW Auditorium. Dr. Adnan Tariq, Director ORIC, University of Wah, gave an introductory talk on establishment of ORIC. The guest speakers were Air Cdre Afzal Ahmed (Retd.) from Air University, Brig. Dr. Shoaib Ahmed Khan and Brig. Dr. Javed Iqbal from NUST College of E & ME. Vice Chancellor, Prof. Dr. Khaliq Ur Rehman Shad SI (M) reiterated that the establishment of ORIC will enhance R & D culture at the University and promised his full support.

ORIC Seminar

One day workshop for the Controllers of Examinations from public and private sector Universities was organized by the Higher Education Commission on 05 March, 2015 on the topic “Way Forward to Address the Challenges and Issues Faced by HEC while Attesting the Educational Credentials of Pakistani Institutions in 21st Century”. Detailed deliberations were made regarding streamlining the mechanism of attestation /verification and equivalency of degrees. The participants were informed that the HEC Policy in this regard will be sent after due approval. The University of Wah was represented by Engr. Muhammad Nisar, Controller of Examinations.

Dr. Basit Bilal Koshul, Associate Professor of Lahore University of Management Sciences (LUMS) was invited as a guest speaker on 06 March, 2015 to deliver a lecture on “The Contemporary Relevance of Allama Iqbal” in University Auditorium. Faculty and students attended the lecture.
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Mashal Degree College (MDC) organized a workshop titled “Teachers Training” from 16 – 17 March, 2015 in University of Wah Auditorium. The training session was conducted by F.B.I.S.E team.

University of Wah in collaboration with National Highway and Motorway Police (NH & MP), organized a traffic awareness lecture on 09 April, 2015, in University Auditorium.

Mr. Murtaza Ali Shah, CEO of Rapid Construction Pvt. Ltd. was invited as a guest speaker on 30 April 2015, by the Faculty of Management Sciences to deliver a lecture to MBA students on “Entrepreneurship”.

Department of Management Sciences organized a seminar titled “Islamic Banking in Pakistan” on 03 June 2015. Mr. Zulqarnain Haider - Assistant Manager-Product Structuring & Research (PDSC) and Mr. Tahir – Branch Manager, Meezan Bank Limited, Islamabad were invited as guest speakers. The seminar provided students a chance to nurture and blend academic knowledge with the real life practices. The discussion on background, current scenario and new developments in Islamic Banking
products and operations in Pakistan gave students an insight and clear understanding of the application of Islamic principles to banking system.

Seminar on Islamic Banking in Pakistan

Training Session on “Team Building and Conflict Resolution”

A training session titled “Team Building and Conflict Resolution” was organized on 09 June, 2015 by Department of Management Sciences at WEC Auditorium. This one-day training session was conducted by students specializing in HR Management under supervision of Ms. Afshan Sultana. A practical demonstration of team building, conflict resolution and HR issues was also arranged by the students.

Training Session on Team Building and Conflict Resolution

Training session on CV Making, Job Hunting and Winning Interview Techniques

A CV making, Job Hunting and Winning Interview Techniques Training session was organized on 10 June 2015, by Department of Management Sciences to train and provide practical experience to the students. Mr. Muhammad Junaid, Assistant Professor, Department of Management Sciences, Quaid-e-Azam University, was the guest speaker who shared his knowledge and experience with students, giving valuable advice on CV preparation, interview preparation and training.
A CV making, Job Hunting and Winning Interview Techniques Training session was organized on 10 June 2015, by Department of Management Sciences to train and provide practical experience to the students. Mr. Muhammad Junaid, Assistant Professor, Department of Management Sciences, Quaid-e-Azam University, was the guest speaker who shared his knowledge and experience with students, giving valuable advice on CV preparation, interview preparation and training.

**Dengue Awareness Campaign**

A Dengue Awareness Campaign was organized on 15 June, 2015 in University of Wah in collaboration with Wah Medical College (WMC) and POFs Hospital, Wah Cantt. Teams of doctors from POF Hospital and students from WMC delivered awareness lectures on transfusion mechanism and stages of dengue fever, symptoms, treatment and preventive measures. Pamphlets containing information on dengue virus were distributed and banners were also displayed.

The Department of Electrical Engineering, in collaboration with Pakistan Engineering Council, organized a lecture titled “Microcontroller Based Embedded Systems”, on 27 October, 2014. Dr. Awais Yasin, HOD Embedded System Design, NDC, Islamabad was the keynote speaker.

The Department of Electrical Engineering, in collaboration with Pakistan Engineering Council, organized a lecture on “Research Methodologies” on 02 December, 2014 at Wah Engineering College. Assistant Professor Dr. Saad-ur-Rehman from NUST College of E & ME was invited as a keynote speaker.
Department of Mechanical Engineering organized a lecture titled “Utilization of Hydropower as Renewable Energy Source” on 17 December, 2014. Dr. Ajaz Bashir Janjua, DGM (Design), HMC, Taxila was the keynote speaker.

A sixteen contact hour workshop on ‘ANSYS‘ was arranged by Professional Society, Mechanical and ASME WEC Chapter. This four week workshop was conducted by Mr. Farhan Zafar from 16 January-07 February, 2015. It was attended by 50 students from Mechanical Engineering Department. Principal WEC was the chief guest at the opening and closing ceremonies.

A C-lecture titled “Career Development Challenges in Electrical Engineering” was organized by Department of Electrical Engineering on 11 March, 2015 at Wah Engineering College. Dr. Saad-ur-Rehman, Assistant Professor, E & ME College, NUST was the guest speaker.

Department of Electrical Engineering in collaboration with Pakistan Engineering Council organized a Continuing Professional Development (CPD) activity titled "21st Century Robotics” on 02 June, 2015 at Wah Engineering College. Dr. Awais Yasin, HOD (Embedded Systems Design), National Development Complex (NDC), was the guest speaker.
Research and Development

Research Publications
List of Research Publications is placed at Annexure I.

Research Collaboration

- Department of Electrical Engineering has submitted a total of seventeen proposals of final year projects for award of grants, under the ICT R&D Research Initiative program 2014-15 by the Higher Education Commission (HEC). After a thorough evaluation, three project proposals of the seventeen will be shortlisted and each shall be awarded a sum of Rs. 90,000 from the HEC ICT R & D fund.

- Mr. Asim Ali, Chairperson, Department of Computer Sciences, supervised three final year projects sponsored by the National ICT R&D fund.

- Department of Chemistry has established research collaboration with the following institutions:
  - H.E.J Research Institute of Chemistry, International Center of Chemical and Biological Sciences (ICCBS), University of Karachi
  - School of Natural Sciences (SNS), NUST, Islamabad
  - Advanced Engineering Research Organization (AERO), Wah Cantt

Job Fair and Final Year Project Exhibition 2015-WEC

Wah Engineering College organized its sixth Annual Job Fair and Final Year Project Exhibition on 04 August, 2015 at POFIT Hall. A total of 41 projects in the disciplines of Electrical, Mechanical, Mechatronics and Civil Engineering were on display in which students displayed their academic and entrepreneurial skills. A large number of representatives from various organizations including Pakistan Aeronautical Complex (PAC) Kamra, Defense Science and Technology Organization (DESTO) Rawalpindi, HITEC Taxila, UET Taxila, POFs Wah and the teams from Pakistan Engineering Council (PEC) were also present to witness the event. The Vice Chancellor University of Wah, Professor Dr. Khaliq Ur Rehman Shad SI (M) was the chief guest on the occasion. He congratulated the students on successful completion of their projects and wished them all the success in their professional pursuits.
The Department of Chemistry has established research collaboration with the following institutions:

Wah Engineering College organized its sixth Annual Job Fair and Final Year Project Exhibition on 04 August, 2015 at POFIT Hall. A total of 41 projects in the disciplines of Electrical, Mechanical, Mechatronics and Civil Engineering were on display in which students displayed their academic and entrepreneurial skills. A large number of representatives from various organizations including Pakistan Aeronautical Complex (PAC) Kamra, Defense Science and Technology Organization (DESTO) Rawalpindi, HITEC Taxila, UET Taxila, POFs Wah and the teams from Pakistan Engineering Council (PEC) were also present to witness the event. The Vice Chancellor University of Wah, Professor Dr. Khaliq Ur Rehman Shad SI (M) was the chief guest on the occasion. He congratulated the students on successful completion of their projects and wished them all the success in their professional pursuits.
Visit of the HEC IPEP Review Panel to University of Wah

A four member team from Higher Education Commission (HEC) visited University of Wah from 26 – 28 May, 2015 for Institutional Performance Evaluation (IPE). The team comprised of the following members:

- Dr. Muhammad Taimoor  
  Director QEC, University of Peshawar, Peshawar  
- Dr. Muhammad Farooq  
  Director QEC, Baha-ud-din Zikriya University (BZU), Multan  
- Dr. Riaz Malik  
  Director QEC, PMAS-University of Arid Agriculture (UAAR), Rawalpindi  
- Dr. Razak Meher  
  Director QEC, Shah Abdul Lateef University, Khairpur

The purpose of the visit was to review the systems and the processes of University of Wah on the basis of the University Portfolio Report (UPR) comprising of 11 Standards outlined by the HEC. The Review Panel thoroughly evaluated the UPR and met with the major office bearers of the University, faculty as well as students. The formal IPE report for the University is awaited from the HEC.

Visit of National Computing Education Accreditation Council (NCEAC)

The accreditation committee of NCEAC visited the Department of Computer Sciences on 17 June, 2015 for re-accreditation of BS Computer Science program. Most of the requirements for the said degree were met and a decision in this regard is awaited. The re-accreditation committee comprised of:
Quality Assurance

- Dr. Ayub Alvi
  Dean, FAST-NUCES, Islamabad
- Dr. Abdul Jalil
  Director, Quality Control, PIEAS, Islamabad

PEC Accreditation Team Visit – WEC

Accreditation teams from Pakistan Engineering Council (PEC) visited Wah Engineering College from 03-06 August, 2015 for re-accreditation of the following Engineering programs:

- B.Sc. Electrical Engineering Department (for re-accreditation and change of scope)
- B.Sc. Chemical Engineering Department (for re-accreditation)
- B.Sc. Mechatronics Engineering Department (for re-accreditation)

The team comprised of the following members:

- Engr. Prof. Dr. Fazli Qayyum
  Swedish College of Engineering and Technology (SCET) Rahim Yar Khan

- Engr. Prof. Dr. Asim-ur-Rehman
  NU-FAST Karachi

- Engr. Prof. Dr. Mahmood Saleem
  ICET University of the Punjab, Lahore
Quality Assurance

- Engr. Prof. Dr. Asad Ullah Khan
  COMSATS, Lahore

- Engr. Prof. Dr. Javaid Iqbal
  NUST College of E & ME, Rawalpindi

- Engr. Shafique ur Rehman
  (Rep) PEC, Head Quarter

PEC Accreditation Team Visit
The University is cognizant of its responsibility towards human resource development needs. The existing faculty is encouraged to pursue higher qualifications, both within the country and abroad. Following faculty members are in the process of enhancing their qualifications:

**UW Faculty Pursuing Ph.D**

<table>
<thead>
<tr>
<th>Sr #</th>
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<th>Institution</th>
<th>Department</th>
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<tr>
<td>1</td>
<td>Shazia Naheed</td>
<td>Bahauudin Zikrya University, Multan</td>
<td>Chemistry</td>
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<td>2</td>
<td>Kamal Badshah</td>
<td>QAU, Islamabad</td>
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<td>3</td>
<td>Kashif Arshad</td>
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<td>4</td>
<td>Haris Masood</td>
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<td>5</td>
<td>Waseem Shahzad</td>
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<td>Mechatronics Engineering</td>
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<td>6</td>
<td>Riffat Naseer</td>
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<td>7</td>
<td>Hafiz Shoaib Farooq</td>
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<td>Bilal Ahmad</td>
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<td>Tariq Hussain</td>
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<td>12</td>
<td>Khurram Shahzad Khalid</td>
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## Students’ Enrolment

### Faculty / Student Ratio 2014

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<td>18</td>
<td>Civil</td>
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</tbody>
</table>
University Building Economies

University-Industry Linkages

Department of Sociology has established links with:

- Quaid-e-Azam University (QAU), Islamabad
- International Islamic University, Islamabad (IIUI)
- NUST College of Electrical & Mechanical Engineering, Islamabad (E & ME)

Department of Biosciences has developed institutional linkages with the following institutions:

- NIH (National Institute of Health), Islamabad
- Institute of Aqua Culture and Fisheries, National Agricultural Research Center (NARC), Islamabad
- Qarshi Herbal Research Center (QHRC), Lahore
- World Health Organization (T.B. Control Centre, Pakistan)
- Medlay Pharmaceuticals, Wah Cantt
- Chitral Engineering Works, Taxila

Students of M.Phil program are conducting research work in collaboration with NIH (Allergy Centre), Islamabad, Institute of Aqua Culture and Fisheries-NARC, Islamabad and PMAS-Arid Agriculture University, Rawalpindi.

Department of Management Sciences is in liaison with following organizations:

- Khushali Bank Limited
- Meezan Islamic Bank Limited
- Wah Nobel Group of Industries

The linkage facilitates the students for research and report writing on projects allocated during the course work.

Department of Psychology has established a link with Social Security Hospital, Rawalpindi and Islamic Medical Centre Islamabad for the Internship of students.

The Department of Sociology has established a link with Lok Virsa and Saidpur Village. It will be helpful for students in study visits.
## Internships

<table>
<thead>
<tr>
<th>Department</th>
<th>No. of Internships</th>
<th>Internship Organization</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>60 (BS Hons / MSc)</td>
<td>POFs /POFIT</td>
</tr>
<tr>
<td>Economics</td>
<td>16 (BS Hons / MSc)</td>
<td>Allied Bank, Alfalah Bank, Meezan Bank, National Bank of Pakistan</td>
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<td>Psychology</td>
<td>43 (BS Hons / MSc)</td>
<td>POF Hospital Wah Cantt, MH Rawalpindi, Fauji Foundation Hospital Rawalpindi, CMH Attock</td>
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<tr>
<td>Physics</td>
<td>17</td>
<td>POFs, NESCOM, Wah Nobel Group of Industries, NINVAST</td>
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<tr>
<td>Electrical Engineering</td>
<td>86</td>
<td>POFs, Wapda, Dewan Cement Limited, Fauji Fertilizer Company Limited, Multan Electric Power Company, Heavy Industries Taxila</td>
</tr>
</tbody>
</table>
A large number of students benefitted from these programs.
University of Wah has undertaken a large number of infrastructure development projects in the last two years. Updated status of these projects is as under:

- Construction of WEC Academic Block: Completed
- Construction of Mashal Degree College Admin Block: Completed
- Construction of Mashal Degree College Academic Block: Completed
- Construction of VC Secretariat: Completed
- Enhancement / Change of IT Office: Completed
- Construction of UW Cafeteria: Completed
- Construction of Girls Hostel: Completed
- Construction of Multipurpose Hall: In progress
- Construction of Drawing Hall: In progress
Sports Infrastructure-UW

In order to augment the existing sports infrastructure, additional sports facilities have been established in this academic year. These include:

- Two Basketball courts
- Two Badminton courts
- Table Tennis facility
Strengthening Physical Infrastructure

Library-UW

Library is a premier provider of knowledge-based information resources and user-focused services. At present, it has a rich assorted collection of approximately six thousand and four hundred books on various areas of study. The library has an Online Public Access Catalogue (OPAC), installed at the front desk for book search. It is committed to support the institution’s mission to cultivate excellence in learning and teaching that encourages intellectual, personal and social growth of students, faculty and staff.

Expansion of Library-WEC

The WEC library has been further extended to facilitate and enable educational activities. The key additions are as follows:

- New book racks have been prepared and kept in the extended portion of the library. These book racks have been labeled with their respective names of technology and library classification numbers to ease the search.
- A number of books concerning each technology have been purchased to fulfill students’ requirements.
- Number of study tables and chairs has been increased to accommodate maximum number of students.
- Number of PCs has been increased to aid the students in digital library search.
- A Book Exhibition has been arranged.
Completion of 2nd Floor Building – New Academic Block -WEC

Construction of new building at second floor of New Academic Block has been completed. The building has capacity to accommodate additional laboratories and classrooms.

Construction of Girls’ Hostel-WEC

To meet the dire need of an independent girls’ hostel to accommodate both UW and WEC female students from far flung areas, Chairman POFs Board granted approval for construction of girls’ hostel. The construction work has been completed. The Hostel has the capacity to accommodate 130 female students. Remaining features of the hostel are as under:

- Number of Storeys: 3 floors including basement, ground floor and first floor
- Facilities provided: Gym, Study / Reading Room, Dining Room, Dormitories, Sitting Area, TV Room, Store, Warden Office, Faculty Room, Kitchen

Girls hostel was inaugurated by the Chairman POFs Board, Lt Gen. Omar Mahmood Hayat HI (M) on 29 September, 2015.
Establishment of new Faculty Offices at Academic Block-WEC

To facilitate and accommodate faculty members, a new faculty office containing 12 x cabins equipped with internet facility has been established at 2nd floor of the newly constructed academic block of Wah Engineering College.

Provision of Table Tennis Facility-WEC

Recently, 2 x marble table tennis tables have been placed in the grounds of the academic block with a view to create and promote healthy activity among students.

Construction of Pathways-WEC

Different pathways have been constructed inside WEC premises to facilitate passage of students, faculty and staff of Wah Engineering College especially during the rainy season.

Establishment of Guest Sitting Area at Admin Block-WEC

An exclusive waiting area has been earmarked at WEC Admin Block for convenience of the visitors / guests.

Fabrication of Barrier outside Main Gate-WEC

In view of potential threats to educational institutions, a barrier has been installed outside the main gate of Wah Engineering College.

Creation of Green Area in Academic Block-WEC

As per Tree Plantation Policy of POFs, garden / green areas have been developed inside Wah Engineering College which will add to the beauty of WEC, in addition to providing a conducive environment for the students.

Construction of Washing Pit-WEC

Washing pit for maintenance / servicing of heavy / light vehicles has been constructed at WEC.
Laboratory Enhancements

Department of Biosciences-UW

During the current academic year, Vertical Tank Gel Electrophoresis has been added in order to improve quality and standard of lab experiments at under-graduate and post-graduate level.

Department of Chemistry-UW

Two new research labs have been constructed that will provide more room to the students and new equipment. This new space will make new areas of research possible for researchers. Specialized laboratory fume exhaust system provides a safe environment for researchers. Following equipment has been added to the Chemistry Lab:

- UV Spectrophotometer
- Melting Point Apparatus
- Digital Hot Plate
- Temperature Hygrometer
- Rotary Evaporator
- Sonicator
- Digital Colorimeter
- Digital pH Meter
- Digital Conductivity Meter
- Heating Mantle
- Oven
- Digital Viscometer
Two new research labs have been constructed that will provide more room to the students and new equipment. This new space will make new areas of research possible for researchers. Specialized laboratory fume exhaust system provides a safe environment for researchers.

Following equipment has been added to the Chemistry Lab:

- Refractometer
- UV Lamp
- Polarimeter
- Photoelectric calorimeter
- Water Bath
- Muffle Furnace
- Water Distillation plant

**Department of Physics-UW**

The Department of Physics has developed following laboratories in the current year:

- Material Science Lab
- Simulation Lab
Laboratory Enhancements

Department of Computer Sciences-UW

A Computer lab, equipped with 30 Core i3 systems, was established to cater for the needs of final year students.

Department of Electrical Engineering -WEC

For up-gradation of Electrical Machine Lab, an amount worth Rs. 4.5 Million has been sanctioned for purchase of Electrical Machine Trainers.

Department of Civil Engineering Department-WEC

Department of Civil Engineering established two laboratories during the year with an allocated budget of Rs. 2.9 Million.

- Structures Lab
- Fluid Mechanics Lab
Laboratory Enhancements

Following equipment has been purchased for the mentioned labs:

- Hook’s Law Apparatus (Wall Hanging)
- Shear Force and Bending Moment Apparatus
- Combined Deflection of Beam and Torsion in Circular Section Apparatus
- Parallelogram Law of Force Apparatus
- Polygon Law of Force Apparatus
- Law of Moment Apparatus
- Beam Reactions Calculation Apparatus
- Combined Coefficient of Friction on Horizontal and Inclined Plane Apparatus
- Pelton Wheel Apparatus
- Viscometer
- Orifice meter
- Francis Turbine Apparatus
- Centrifugal Pump Apparatus
- Bourdon Pressure Gauge
- Reynolds Number and Transitional Flow
- Volumetric Bench
- Meta-Centric Height
- Hydrodynamic Trainer
- Series and Parallel Centrifugal Pump Assembly with PC

Department of Mechanical Engineering – WEC

An “Air Flow Test Bench” and “Heleshaw Apparatus” were installed for laboratory development.
The development of IT infrastructure has become an important feature in institutional performance and the University management understands its need in education sector. Keeping this in mind, several steps have been taken to improve IT services at UW. Details are as under:

- An expansive IT infrastructure development project has been implemented at UW. In this project, a state of the art Server Room has been built which consists of two racks: one for Switches, Firewall and Wireless Controllers and the other one for Servers. In order to provide wired and wireless internet connectivity throughout the University, all blocks of the University and WEC Campus are connected via optical fiber links to the Server Room, except Student Facilitation Center (which is connected via CAT 6 UTP Cable). Meanwhile, all computer labs, computers in departments and Wireless Access Points in all blocks of the University are connected to each other via CAT 6 UTP cable, thus providing high-speed wired and wireless connectivity in each block. Additionally, to maintain temperature in the Server Room, air conditioners along with sequence controller have been installed. Moreover, to avoid any short circuits, vinyl flooring and earthing have been carried out.

- Likewise, Directory, Database, Web and DHCP Servers have also been implemented for the purposes of authentication, authorization and information retrieval.

- Access to HEC digital library has also been obtained, which shall enable students to access world-class literature in their respective fields.

- A large number of anti-plagiarism Software ‘Turnitin’ accounts have also been acquired from the HEC for implementation of University’s plagiarism policy. This widely-used software can be a useful tool in facilitating academic integrity and honesty among faculty and students.

- Two state of the art Computer Labs for students and two Computer Labs for male and female faculty members have been established.

- Biometric Attendance System has been implemented at UW.

- CCTV and IP camera systems have also been installed for continuous surveillance and overall security of the University.
Information Technology-WEC

PERN2 Connectivity with access to HEC Digital Library and ‘Turnitin’ Software

The University has acquired PERN2 bandwidth from HEC. This also includes digital library and ‘Turnitin’ software access for students and faculty. There is a proposal to double this bandwidth within few months. The PERN2 project is commissioned to align with the University’s aim of engaging students in a challenging curriculum through blended learning in which technology enhances the learning experience.

Establishment of Server Room

In order to support PERN2 connectivity and other IT services, a server room has been established at WEC Academic Block. The servers at this location are hosting Campus Management System and Admission System of University of Wah. All CCTV recording is also done at server room.

Inter-campus Optic Fiber Connectivity

All buildings within UW and WEC are now interlinked with optical fiber to share resources. The fiber connectivity between the Quaid Campus and WEC Campus has now been established, which enables sharing of IT resources and knowledge content with faculty and students.

Campus Management System (CMS)

A dedicated team is in the process of developing a comprehensive Campus Management System for the University. Clearance System and Student/Faculty Information System modules have been recently added to the existing system. CMS will help the University to manage the entire student life-cycle at University seamlessly—from recruiting to admissions, through student services and alumni relations—in a secure, stable environment. It would integrate and streamline the infrastructure on which the students’ life-cycle at University depends. It uses scalable technology that can expand to meet university’s needs in future.
Alumni Portal

An Alumni Portal has been successfully established at University of Wah, whereby students can register online. This is the second such step in engaging the alumni after establishment of WEC Alumni Association in March 2013. Various departments are in the process of compiling alumni data, including employment status of UW graduates. The contents regarding alumni are uploaded on the College website, where an online alumni registration form is available. Registered alumni will be able to avail benefits and services offered by Alumni Association. These include access to publications, library and Alumni directory, invitation to professional events / workshops / exhibitions etc.
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Co-curricular and Extra-curricular Activities

University of Wah

7th Annual Flower Arrangement Competition - UW

A flower arrangement competition was organized by Department of Biosciences on 15 April, 2015 in University Auditorium. Vice Chancellor, Prof. Dr. Khaliq Ur Rehman Shad SI(M), was the chief guest. All Deans, Chairpersons, faculty members, staff and students from University and WEC joined this occasion. Students enthusiastically participated in the competitions of Fresh Flower Arrangement, Dry Flower Arrangement, Pencil Sketching and Miniature Gardening. Department of Biosciences and Computer Sciences won the Miniature Gardening and Dry Flower Arrangement competitions respectively, while Department of English won the competitions Fresh Flower Arrangement and Pencil Sketching. Department of Biosciences was declared as overall winner for the year 2015.
A flower arrangement competition was organized by Department of Biosciences on 15 April, 2015 in University Auditorium. Vice Chancellor, Prof. Dr. Khaliq Ur Rehman Shad SI(M), was the chief guest. All Deans, Chairpersons, faculty members, staff and students from University and WEC joined this occasion. Students enthusiastically participated in the competitions of Fresh Flower Arrangement, Dry Flower Arrangement, Pencil Sketching and Miniature Gardening. Department of Biosciences and Computer Sciences won the Miniature Gardening and Dry Flower Arrangement competitions respectively, while Department of English won the competitions Fresh Flower Arrangement and Pencil Sketching. Department of Biosciences was declared as overall winner for the year 2015.

Cultural Week-UW

University of Wah organized a cultural week from 24-27 November, 2014 to bring together diverse nationalities and cultures. Participants presented various cultures through their dresses, food and décor. The cultural week concluded with a prize distribution ceremony in auditorium. Department of Psychology got 1st prize in Pakhtoon Cultural representation whereas, Department of Mathematics secured 2nd position by representing Mughal Culture.
Sales Gala-UW

Sales Gala was held from 26-27 November, 2014. For the presentation of innovative and practical ideas, the students prepared interesting stalls to attract customers and learnt the tactics to manage business operations successfully. A stall offering refreshments was also put up by the Department of Chemistry.

Drama Competition-UW

The Inter-Faculty Drama competition in the University was organized on 26 November, 2014 with the coordination of Directorate of Students Affairs, with an aim to provide a platform to the talented students to exhibit their performance. Vice Chancellor, Prof. Dr. Khaliq Ur Rehman Shad SI (M), was the chief guest on the occasion. Students from different faculties presented dramas and highlighted problems confronting Pakistan. Artists emphasized the youth to play their due roles for peace, advancement and prosperity of Pakistan. The audience strongly lauded the acting and dialogues of the drama. In the Drama Competition, Faculty of Management Sciences got 1st position, Faculty of Basic Sciences and Departments of Social Sciences secured 2nd position while Department of Mechanical Engineering got 3rd position.
Inter-departmental Competitions-UW

Different inter-departmental competitions were organized for students from 24 to 27 November, 2014 to improve their personal interactions, soft skills and personalities. A large segment of students actively participated in the competitions of Qirat, Naat, Urdu and English Debates, Urdu and English Essay writing, Bait Bazi, Drama and Singing competitions.

Department of Physics secured 1st and 2nd positions in Qirat competition. Department of Mathematics won the Naat competition and Department of English stood 2nd. In Urdu Essay writing, Department of Chemistry got 1st position and Department of Mathematics stood 2nd. English Essay writing competition was won by Department of Physics, while Department of Mechanical Engineering got 2nd position. Faculty of Basic Sciences won the Bait Bazi competition while Faculty of Engineering secured 2nd position. Singing competition was won by Department of Management Sciences and 2nd position was secured by Department of Mechanical Engineering. Department of Biosciences secured 1st position in Urdu Debate, while Department of Psychology got 2nd position. The English Debate Competition was won by Department of English while Department of Biosciences secured 2nd position.

Project for Developing Entrepreneurial Skills-UW

Department of Management Sciences arranged an educational project for students from 24-26 November, 2014 with the objective of inculcating entrepreneurial skills among students. Students conceived and organized the activity by putting into practice core managerial concepts such as purchasing power of customer, selection of target market and target products, product innovation, inventory management, customer feedback and investor behavior.

Participation in Declamation Contest for the Award of 17th Allama Iqbal Shield-UW

Three students from University of Wah participated in the 2nd round of Declamation Contest for the Award of 17th Allama Iqbal Shield, held on 06 March, 2015 arranged by Lahore College for Women University under the auspices of HEC.

Participation in 17th Regional Inter-Universities Declamation Contest-UW

A team from the University of Wah participated in the 17th Regional Inter-Universities Declamation contest on 06 March, 2015 arranged by HEC in GC University Lahore.
Blood Donation Camp-UW
A blood Donation Camp was organized by M/S Jamila Sultana Foundation on 09 April 2015. A large number of students participated in this noble cause.

Participation in HITEC Olympiad - UW
Department of Computer Sciences participated in the “HITEC Olympiad” organized by HITEC University, Taxila from 19-23 April, 2015. Olympiad included activities like drama, sketching, quiz competition and games. The students secured 2nd position in Sketching and were runners-up in cricket.
Participation in FUUAST Innovatia’15-UW

A team of students from University of Wah participated in FUUAST Innovatia’15 organized by the Federal Urdu University of Arts, Science & Technology from 05-07 June, 2015. Students took part in a multitude of activities on offer and secured 1st position in the events of Ludo, Sketching, Best University Ambassador, Math Marathon and Essay Writing (Urdu), 2nd position in Essay Writing (English) and 3rd position in Speed Programming, E-Gaming and Scavenger Hunt competitions.

BiZup Society-UW

Department of Management Sciences has launched its business entrepreneur society. BiZup Society offers a vibrant place for students to interact and make business plans for benefit of society. The society will help students acquire valuable business experience and develop necessary skills to become successful professionals.

Mama’s Kitchen-UW

Students of Department of Management Sciences conducted an entrepreneurial project named “Mama’s Kitchen”, in which they conducted a business activity for one week in the University. This activity provided students with an opportunity to polish their marketing, financial, management as well as entrepreneurial skills.

Marketing Activity-UW

Students of the Department of Management Sciences did an interesting marketing project as they launched different products, marketed and sold them by setting up various stalls. The objective of this activity was to implement theoretical knowledge. Students learned a lot about how different marketing techniques are applied to identify customer needs, promotional campaigning, personal selling and price fixing.
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**Inauguration Ceremony of Agro -Tech Park-UW**

University of Wah in collaboration with POF Welfare Trust has embarked upon a project for social service to the residents of Wah and its surroundings. ‘UW Social Services Club’ has been established as a part of Environmental Sustainability with application of modern technology in agriculture.

The main theme of this project is to build an ‘Agricultural Park’ through incorporation of technology (‘Agro-Tech’ Park) on the land donated by POF Welfare Trust, in the vicinity of Nasheman. The park aims to fulfill the academic goals of the Biosciences Department as well as training to imbue into young minds the aspects of social obligations towards environment sustainability.

The Park was formally inaugurated on 31 August, 2015 by the Vice Chancellor Prof Dr. Khaliq Ur Rehman Shad SI(M). MD POF Welfare Trust, Brig Taqdees Ahmed (Retd.) and other senior faculty members attended the event. The attendants were given a tour of the site. The chief guest congratulated the Agro-Tech team and appreciated their efforts.
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Farewell Party 2015-UW

The following departments arranged farewell parties for their outgoing students:

- Department of Chemistry organized a farewell party on 06 June, 2015, for the outgoing students at Ordnance Club. It comprised of skits, games and dance performances which were highly appreciated by students. The party concluded with sumptuous lunch.

- Department of Biosciences arranged a farewell party on 06 June, 2015.

- Department of Computer Sciences organized a farewell party on 18 April, 2015 at Al-Uroos Marriage Hall, Wah Cantt.

- Students of Department of Mathematics arranged a farewell party in the honor of outgoing students of MSc and BS (Hons) on 24 May, 2015 at the Ordnance Club. A variety program was also presented by the Departmental Dramatics Club on the occasion.
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Students of Department of Mathematics arranged a farewell party in the honor of outgoing students of MSc and BS (Hons) on 24 May, 2015 at the Ordnance Club. A variety program was also presented by the Departmental Dramatics Club on the occasion.

Mashal Degree College

Mashal Degree College, a constituent college of the University is contiguous to the main University Campus. It serves as a nursery for the University and offers subjects in disciplines taught in the University. Besides an intense academic program, MDC organizes numerous co-curricular and extra-curricular activities.

Mashal Degree College has started B. Com program in September 2014.

Mehfil-e- Milad-MDC

Religious ceremonies are the expression of inner belief and faith. Mehfil-e- Milad was held on 20 February, 2015 at Mashal Degree College, in which the students paid rich tributes to the Prophet Muhammad (PBUH).
Oath Taking Ceremony-MDC

College Council and various societies arrange different literary and cultural activities in the college. The members of the College Council and Student Societies took oath on 23 February, 2015. Principal MDC took oath from the selected members.

Students’ Week-MDC

As an annual event at Mashal Degree College, Students’ Week was held from 23-24 February, 2015. Following competitions were held under the supervision of the Faculty In-charges of relevant societies.

- Qirat and Naat competition
- Bi-lingual Declamation contest
- Card making competition
- Belt decoration and lamp decoration competition
- Singing competition: paying tribute to Teena Sani and Sajjad Ali
- Dress Show: highlighting the significance of Dupatta in our cultural background
Wah Engineering College

WEC TECHTRONICS’ 15

A technical event named WEC TECHTRONICS’ 15 was organized by ASME WEC Chapter on 10-11 April, 2015 in order to involve students of different engineering disciplines into challenging competitions. A large number of students from WEC and UW participated in all the modules which included Rapid Design, Bridge Building competition, Power of Water, Oral Presentation, Oral Poster, Water Rocket competition, CAD Modeling competition and Mind Crunch. The event concluded with award of certificates and cash prizes. Moreover, the winner of Rapid Design was given the opportunity to represent WEC in International Mechanical Engineering Convention (IMEC).
Participation in Design Built and Fly Contest 2015 (DBFC-X)-WEC

“Design Built & Fly Contest” was held in Ghulam Ishaq Khan Institute (GIKI) under American Institute of Aeronautics & Astronautics (AIAA) GIKI Chapter on 24-26 April, 2015. Eighteen teams from across the country participated. WEC was represented by the team “Air Disruptors”.

Participation in International Mechanical Engineering Convention (IMEC) and Student Professional Development Conference (SPDC)-WEC

International Mechanical Engineering Convention (IMEC) and Student Professional Development Conference (SPDC) were held at Ghulam Ishaq Khan Institute (GIKI), Topi, KPK, under ASME GIKI Chapter from 17-19 April, 2015. The students took active part in both the events, securing 2nd position in Rapid Design and 3rd, 4th and 5th positions in Human Powered Vehicle Challenge modules.

Investiture Ceremony-WEC

An investiture ceremony was held on 21 January, 2015 at WEC to formalize the selection of office-bearers for the Student Council and various Clubs and Societies. Ceremony started with recitation of Holy Quran. Principal WEC awarded sashes, arm bands and other distinctions to the newly-elected office bearers. Dean of Engineering, Director Student Affairs and all Chairpersons attended the ceremony.
Inter-departmental Declamation Contest-WEC

Annual inter-departmental declamation contest was held on 27 May 2015 in Wah Engineering College. Students from all departments actively participated in the events of English & Urdu (serious and humorous) Speech. Department of Mechatronics Engineering won the English and Urdu contests and was declared the overall winner. Department of Mechanical Engineering won the Urdu contest.

Prize Distribution Ceremony-WEC

A Prize Distribution Ceremony was held on 25 June, 2015 at Ordnance Club, Wah Cantt to commemorate the achievements of students in extra-curricular activities. Brig. Dr. Akhtar Nawaz Malik (Retd), Principal WEC, was the Chief Guest. Shields and certificates were awarded to the winners and runners-up. A large number of faculty and students attended the occasion.
A Prize Distribution Ceremony was held on 25 June, 2015 at Ordnance Club, Wah Cantt to commemorate the achievements of students in extra-curricular activities. Brig. Dr. Akhtar Nawaz Malik (Retd), Principal WEC, was the Chief Guest. Shields and certificates were awarded to the winners and runners-up. A large number of faculty and students attended the occasion.

Spring Fiesta –WEC

Spring Fiesta was held on 16 May, 2015 at Wah Engineering College. Different food and cultural stalls were set up by the students. Over 400 students of WEC and UW enthusiastically participated in painting, sketching, drama, singing and dancing competitions. The Department of Civil Engineering won sketching and dancing competitions. Department of Computer Sciences won the painting competition, Department of Management Sciences won the singing competition and Department of Biosciences won the drama competition.

Music Concert - WEC

A musical concert was organized by the Fine Arts Club as concluding part of the Spring Fiesta. The event was highly enjoyed by the students.

Job Fair Chemical-2015 – WEC

Phitech solutions, a local partner of Aspen Tech Inc., USA, with the collaboration of Department of Chemical Engineering conducted a job fair on 10 June, 2015 at Wah Engineering College. Final year students of the department benefitted from this opportunity.
Participation in IST Youth Carnival 2015-WEC

Students from Wah Engineering College participated in the IST Youth Carnival held from 07 - 09 May, 2015 at Institute of Space Technology, Islamabad. Students participated enthusiastically in the event and secured 14 positions in 20 competitions. Wah Engineering College was declared 3rd best institute among the participants.

Book Fair-WEC

A Book Fair was organized by the WEC Library on 16-18 December, 2014 in POFIT Hall. WEC library staff put in best of their efforts to organize the highly successful event.

- Students from Department of Mechatronics participated in the following activities from 21-22 November, 2014, at Iqra University, Islamabad:
  i. Speed Wiring
  ii. ACE Artists
  iii. Mathematica

The students secured 1st position in Mathematica and 3rd position in ACE Artists.
Welcome Party-WEC

As per WEC’s tradition, a Welcome party was arranged on 16 -18 March, 2015 at POF Hotel, Wah Cantt for new intake of WEC students. The event was attended by a large number of faculty and students. The freshers appreciated the excellent gesture of their seniors.

Farewell Party 2015-WEC

An annual farewell party was organized for the outgoing batch on 16 June, 2015 at POF hotel. The colorful event included stage performances, titles to final year students by their juniors and memorable videos by all departments. The party concluded with a lavish dinner.
A study trip was arranged by the Department of Economics on 03 December, 2014 to attend the 30th Annual General Meeting of Pakistan Institute of Developmental Economics.

Students from the Department of Biosciences visited Taxila and Khanspur where they studied the features of various old civilizations of Pakistan.

- Students from Department of Electrical Engineering visited the following industries:
  - Syntex, Islamabad on 24 - 26 November, 2014
  - POF Power House on 27 November & 01 December, 2014
  - Ghazi Brotha on 17 & 18 December, 2014

- A visit to Wah Nobel was arranged by the Department of Electrical Engineering in November, 2014 for students of final year for technical assistance of their final year project titled “Development of Two-Way Energy Meter”.

- Students from Electrical Engineering Department also visited:
  - Waste Water Treatment Plant, POF on 20 January, 2015
  - Metro Bus, Islamabad on 27 January, 2015
  - POF ME Shop on 15 January, 2015
  - National Institute of Electronics (NIE), Islamabad on 13 & 22 January, 2015
  - Micro Hydel-Power Generation Scheme, Khanpur on 21 & 22 January, 2015
  - Wah Nobel (Pvt) Ltd., Wah Cantt on 02 & 09 February, 2015
  - Department of Chemistry visited Best Way Cement Industry in Hattar, on 06 May, 2015.
Study / Recreational Trips

Visit to Best Way Cement Industry Hattar

- Students from Department of Chemistry visited Qarshi Industry, Hattar (KPK) on 12 May, 2015.
- Students from Department of Chemistry visited Shaigan Pharmaceuticals, Rawalpindi on 18 June, 2015.

- A study tour was arranged by the Department of Islamic & Pakistan Studies on 13 June, 2015 for the students of Departments of Management Sciences and Biosciences to Shahdara, Lok Virsa Museum, Pakistan Monument, Pakistan Monument Museum and Pakistan Museum of Natural History, Islamabad.
Study / Recreational Trips

- A recreational trip was arranged by Computer Sciences to Toli Peer, Azad Kashmir on 30 May, 2015.
- A recreational trip was arranged by the Department of English to Daman-e-Koh and Lake View Park on 28 March, 2015.
- A recreational trip was arranged by the Department of Statistics to Murree on 13 June 2015.
- Department of Mathematics arranged a recreational trip to Ayubia on 24 April, 2015.
- A study tour to National Center for Physics (NCP), NINVAST was arranged by the Department of Physics from 14-16 April, 2015.
- A recreational trip to Murree was arranged by the Department of Sociology on 27 March, 2015.
- A Recreational trip to Patriata was arranged by Department of Biosciences on 23 May, 2015.
- A study trip was arranged for the students Department of Biosciences to Khanpur on 03 June, 2015.

Students from Department of Civil Engineering visited the following places and industries:
  - M-2 (Islamabad to Lahore) Toll Plaza on 30 March, 2015
  - Askari Cement Factory, Wah on 02 April, 2015
  - Pakistan Met Department, Islamabad on 08 April, 2015
  - Rawal Dam, Islamabad on 09 April, 2015
  - Askari Cement Factory, Wah on 20 April, 2015
  - Gunj Glass Factory, Hassan Abdal on 13 May, 2015.
  - Ghazi Brotha Hydro-Power Station Plant, Attock on 28 May, 2015.

Students from Electrical Engineering visited the following places and industries:
  - Heavy Electrical Complex, Taxila on 16-17 March, 2015
  - Bestway Cement Limited on 09 April and 12 May, 2015
  - Pakistan Council of Renewable Energy Technologies (PCRET) on 13-15 April, 2015
  - National Institute of Electronics (NIE), Islamabad on 11-12 May, 2015
  - Chitral Engineering Works, Taxila on 27 May and 01 June, 2015.

A study visit to Heavy Industries Taxila (HIT) was arranged on 21 April, 2015 by ASME WEC Chapter and Professional Society Mechanical Engineering (PSM) for the student members of second and third year.
Study / Recreational Trips

Academic Tour to Islamabad Stock Exchange

- A study visit for the students of Department of Management Sciences was organized on 27 May 2015 to Islamabad Stock Exchange. The purpose of the visit was to equip students with the practical insights of today’s dynamic trading activities and to make them aware of efficient and sophisticated use of tools, techniques and opportunities in the financial market.

Industrial Trip to Faisalabad

- Department of Management Sciences planned a study trip on 06 June 2015, to two textile mills at Faisalabad, Jaguar (Pvt) Ltd (Jagtex) and Crescent Textile Mills Ltd. (Crestex). At Crestex, students attended an orientation session after which they visited three main departments of Spinning, Processing and Textile Jagtex, Jaguar (Pvt) Ltd, was the second Textile Mill that was visited in this industrial tour. At Jagtex, students got an opportunity to see Pakistan’s largest weaving plant at Jaguar (Pvt) Ltd.

Industrial Trip to Faisalabad

- Department of Economics arranged a study tour to attend Annual General Meeting-2014 in December 2014.
Dawn Education Expo

The University of Wah, for the first time in its history, participated in the 12th annual nationwide ‘Dawn Education Expo 2015’ from 07-08 February, 2015 at the Pak-China Friendship Centre, Islamabad. The University stall was placed in the International Pavilion. The Vice Chancellor, Prof. Dr. Khaliq Ur Rehman Shad SI(M), inaugurated the stall. The response was overwhelming. A number of prospective students and parents visited the stall. Giveaways were also presented to visitors as memorabilia. The event concluded with resolve towards actively participating in similar events in the future as well.

The News Education Expo

University of Wah participated in the ‘News Education Expo 2015’ organized by the News Group from 27-28 May, 2015 at Pak-China Friendship Centre, Islamabad. The UW team set up the University stall, highlighting the educational activities of the University and its constituent colleges and the academic programs offered. Hundreds of potential students and their parents visited the University stall and showed keen interest in the offered programs.

After this Expo, a Certificate Distribution Ceremony was arranged on 12 June, 2015 at University to appreciate the efforts of the UW team. The Vice Chancellor awarded certificates to the UW team and members of Media-Publication Wing.
Express News Education & Career Expo 2015-UW

Education & Career Expo was organized from 13-14 May, 2015 by the Express News at Pak-China Friendship Centre, Islamabad. Students from Department of Computer Sciences participated in different competitions including Painting, Sketching, Dance and Fashion Show.
University of Wah

Continuing its tradition of providing ample opportunities to students to prove their competitive mettle, the UW Annual Inter-Department Sports competitions were held from 27 October, to 27 November, 2014. Students of all departments took active part in various activities on offer.

The students competed in the following competitions:

i) Volleyball    ii) Basket Ball
iii) Cricket     iv) Football
v) Badminton    vi) Table Tennis
vii) Tug of War  viii) 100 meter race
ix) 200 Meter Race x) 400 Meter Race
xi) High Jump    xii) Long jump
xiii) Discus Throw xiv) Shot put

A large number of students (boys and girls) took part in these events and after tough competitions, the following departments won:

In boys’ competitions, Department of Physics won the competitions of Volleyball, Basketball, Long Jump, Discus Throw, Shot Put and 100 Meter Race. Department of Computer Sciences won the competitions of Football, Table Tennis, High Jump, 200 Meter race and 400 Meter Race. Department of Management Sciences won the competition of Cricket, Tug of War competition was won by Department of Chemistry while the event of Badminton was won by Department of Biosciences.

In girls’ competitions, Department of Computer Sciences won the Badminton and Football competitions. Department of Psychology won the Volleyball competition. Department of Physics won the event of Cricket, while Departments of Physics and Computer Sciences were the joint winners in the event of Table Tennis.

Annual Sports Competition
Faculty Match

In the faculty events, ‘Mudassar Eleven’ won the event of Cricket while ‘Asim Eleven’ won the event of Tug of War.

Department of Physics was declared as Sports Champion for the year 2014.

Wah Engineering College

Sports Week 2015-WEC

Annual Sports Week was held from 13-17 April, 2015 at Wah Engineering College. Students and faculty from all departments took active part in all the events. The gender-wise details of results in various competitions are as under:

Girls’ Competitions-WEC

Department of Electrical Engineering won the competitions of Badminton (Singles), Table Tennis (Doubles), Skipping, Net Ball, Rally Race, 200 Meters Race and 50 Meters Race. Department of Mechanical Engineering won the Table Tennis (Singles) competition, while Badminton (Doubles) event was won by Department of Civil and Mechanical Engineering. In Faculty vs. Students competitions, Badminton (Singles) event was won by faculty of Chemical Engineering and Badminton (Doubles) event was won by faculty of Civil and Mechanical Engineering.

Boys’ Competitions-WEC

Department of Mechanical Engineering won the competitions of Cricket, Table Tennis, Badminton and Long Jump. Department of Electrical Engineering won the competitions of Football and Chess. Department of Civil Engineering won the competitions of Counter Strike and Call of Duty and Department of Mechatronics Engineering won the competitions of Basketball and 100 Meters Race. Finally, Department of Chemical Engineering won the Volley Ball and
Tug of War competitions. In Faculty vs. Students competitions, faculty won the team events of Cricket and Tug of War.

The Player of the Year award was given to Mr. Munim Mateen from Department of Mechatronics Engineering. The Championship Trophy was shared between Electrical Engineering Department and Mechanical Engineering Department.
Awards and Honors

- Mr. Syed Imran Rais, Chairperson of Department of Economics has obtained membership of Pakistan Society for Development Economics (PSDE).

- Ms. Uzma Khalid Ghori is a member of:
  - PARE (Pakistan Association for Research in Education), Agha Khan University
  - COSS (Council of Social Sciences)
  - CQE (Campaign For Quality Education)
Administration of WEC has acquired the services of a Lady Doctor from POF hospital, Wah Cantt for students. She shall be available for one hour per day to look after students’ health issues. Six students have also been nominated to get first aid medical training.
A Counseling and Career Guidance office has been established in the Student Facilitation Centre for counseling and career guidance of the students. Various departments provide counseling services to students at the departmental level regarding their courses, final year project selection, higher studies and different exams required for professional development.
Revision of Grading System

The University of Wah revised its existing grading system. The following revised system will be applicable to the students of the Session-2015 onwards.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Percentage Range (%)</th>
<th>Grade Points</th>
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<tbody>
<tr>
<td>A</td>
<td>86 or above</td>
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<tr>
<td>A-</td>
<td>80-85</td>
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<tr>
<td>B+</td>
<td>74-79</td>
<td>3.33</td>
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<tr>
<td>B</td>
<td>68-73</td>
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<tr>
<td>B-</td>
<td>62-67</td>
<td>2.67</td>
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<tr>
<td>C+</td>
<td>56-61</td>
<td>2.33</td>
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<tr>
<td>F</td>
<td>Below 50</td>
<td>0.00</td>
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• Syed Waqas Hassan, Mohammad Tahir Waheed, Martin Muller, Jihong Liu Clarke, Zabta Khan Shinwari and Andreas Gunter Lossi, “Expression of HPV-16 L1 Capsomeres with Glutathione-S-Transferase as a Fusion Protein in Tobacco Plastids: An Approach for a Capsomere-based JPV Vaccine”, Human Vaccines & Immunotherapeutics, ISSN: 2164-5515, Vol. 10(10), pp. 1-8, 2014


• M. Aftab Rafique and Sadaf Aziz, “Enhanced Magnetic Properties in Cu_{0.5} Tl_{0.5} Ba_{2} Ca_{2} O_{10.8}”, Journal of Superconductivity and Novel Magnetism, ISSN:1557-1939, Vol.27(11) , pp. 2427, 2014


• Uzma Ghazanfar, “Influence of Si on Dielectric Properties of \( \text{Ni}_x \, \text{Zn}_{1-x} \, \text{Fe}_2 \text{O}_4 \) as a Function of Composition and Frequency”, Indian Journal of Pure and Applied Physics, ISSN: 0019-5596, Vol. 53, pp. 271-273, 2015
Seminars, Conferences & Workshops Attended (Annexure-II)


- Dr. Safia Saeed, “Evaluation Study in the Weak Areas of Teacher’s Competencies at Secondary Level in the Punjab”, 2nd International Conference (ICORE), University of the Punjab, Lahore, 18-20 Nov, 2014

- Ms. Uzma Khalid Ghorai, “Finding the Need to Evolve Equilibrium between Demand of Education and Supply of Teachers: An Effort of HEC”, 2nd International Conference (ICORE) at University of the Punjab, Lahore, 18-20 Nov, 2014


- Dr. Safia Saeed, “Gauge of Performance: Delineate the Teachers Proficiency in the Technique of Test Construction”, 6th Post Graduate Student Conference at University of the Punjab, Lahore on 18 March, 2015

- Uzma Khalid Ghorai, “Benefits and Effectiveness of Continuous Professional Development for the Teachers of Higher Education”, 6th Post-Graduate Student Conference at the University of Punjab, Lahore, 18 March, 2015

- Uzma Khalid Ghorai, “The Lost Promise: Realizing the Need to Generate a Passion of Teaching”, International Conference on Management, Education and Social Sciences Research at University of Karachi, Karachi, 04 – 05 April, 2015

- Ms. Syeda Noreen Batool from Department of Education attended the following Conferences/ Seminars/Workshops:
Seminars, Conferences & Workshops Attended (Annexure-II)


- “Thesis Writing”, Allama Iqbal Open University Islamabad, March 2015


- “TEFL Training Workshop”, Allama Iqbal Open University, 20 – 21 May, 2015

Mr. Yasir Mahmood Janjua from Department of Economics attended the following Conferences / Workshops / Seminars:

- “Data Analysis with Excel Advance”, held at Pakistan Institute of Development Economics (PIDE) Islamabad, 09-10 June, 2014

- “Applied Economics Using Eviews, RATS, Stata, SPSS, LaTex Software”, School of Economics, Quaid-i-Azam University, Islamabad, 05-09 August, 2014

Students from Department of Psychology attended 5th International Conference on “Educational Psychology” on 13 November, 2014 at National Institute of Psychology, Quaid-e-Azam University, Islamabad.

Dr. Nazim Zaman, Chairperson, Department of Management Sciences attended “10th International Conference on Islamic Economics and Finance” arranged by the Qatar Faculty of Islamic Studies, Hammad bin Khalifa University from 23-24 March, 2015 in Doha, Qatar and chaired the session on Institutional Perspectives.
Mr. Nouman Aftab from Department of Psychology along with students attended the workshop on “Understanding and Handling Trauma” arranged by Therapy Works Islamabad on 11 April, 2015. Dr. Jan Mojsa from UK was the resource person.

Dr. Sadaf Zamir Ahmed attended “3rd International Social Sciences Conference: State and Society of Pakistan: Challenges and Opportunities” at HEC Auditorium, Islamabad on 13 - 14 May, 2015

Students and faculty members from Department of Physics attended seminar on 14 May, 2015 on “Application of Ionizing Radiation in Everyday Life, Radiation Hazard & Means of Protection” at University Auditorium by a team from Pakistan Nuclear Regulatory Authority (PNRA).

Dr. Sadaf Zamir Ahmed was invited as a Resource Person for the project “Promotion Inquiry Informed Practice” held in Fatima Jinnah Women University, Rawalpindi on 25 May, 2015 Mr Jamil Sheikh from Department of Sociology was invited as Resource Person for the workshop titled “Faculty Professional Training Program” held on June 10, 2015 at College of Veterinary & Animal Sciences, Jhang.
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Mr Jamil Sheikh from Department of Sociology was invited as Resource Person for the workshop titled "Faculty Professional Training Program" held on June 10, 2015 at College of Veterinary & Animal Sciences, Jhang.

Dr. Syed Waqas Hassan from Department of Biosciences attended “International Symposium on Life Science & Biological Engineering” organized by American Association for the Advancement of Science (AAAS) from June 27-29, 2015 in Bangkok, Thailand.

Prof. Dr. Uzma Ghazanfar from Department of Physics participated in one day consultative workshop regarding “Policies for Creating Environmental for Encouraging Problem-Solving Research” on 17 June, 2015 at Pakistan Academy of Sciences, Islamabad.

Faculty from Department of Mechatronics Engineering attended following workshops at NUST College of E & ME, Rawalpindi:

- Robot Building Workshop
- C.N.C Machines
- Renewable Energy
- Research Methodologies

Mr Saad Hasan Malik and Mr Muhammad Salman from Department of Mechatronics Engineering attended an interactive workshop titled “CPD Framework” held in APCOMS, Rawalpindi on 06 May, 2014.

Students and faculty from Department of Electrical Engineering attended the workshop on 16 October, 2014 on “How to Write a Technical Research Paper” at Military College of Signals, NUST.

Faculty from Department of Mechatronics Engineering attended a workshop from 13 – 14 March, 2015 on “Robot Operating System” at NUST College of E & ME, Rawalpindi. Asst. Prof. Dr. Kunwar Faraz, Department of Mechatronics Engineering, E & ME College, was the resource person for this workshop.

Faculty from Department of Mechatronics Engineering attended a workshop from 25 – 27 March, 2015 on “Fundamentals of Instrumentation and Control” at COMSATS Institute of Technology (CIIT), Islamabad. Prof. Dr. Raheel Qamar, Dean Research, Innovation and Commercialization (RIC), CIIT, was the resource person for the workshop.
Mr. Muhammad Salman from Department of Mechatronics Engineering presented/demonstrated his project “6th D.O.F Robotic Arm for Robotic Laparoscopic Surgical Training” at the 4th TET Ar-Ge Proje Pazari held at Istanbul, Turkey from 08-15 April, 2015.

Faculty from Department of Mechatronics Engineering attended a workshop from 20 April – 01 May, 2015 on “Advanced / Professional C.N.C programming on AMCO Milling / Lathe Machines” at C.N.C Lab, POF Institute of Technology (POFIT), Wah Cantt. Mr Saqib Shehzad, Chargeman (Mechanical), POFIT, conducted the workshop.
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### Highlights of Fiscal Year 2014-15 - Annexure-III

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<td><strong>Total Funds Available</strong></td>
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<td>Up-gradation of Physical Assets</td>
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<td>Continuing Projects</td>
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