

**ANNUAL**  
**REPORT** 2019



**University Of Swat**





# University of Swat

Aspiring for Quality Education with Relevance

## Annual Report 2019





## STATEMENT OF COMPLIANCE

As per clause 11 (7) of University of Swat Regulations, 2010, '*The Vice-Chancellor shall present an Annual Report before the Senate within three months of the closure of the academic year. The Annual Report presents yearly basis cumulative information regarding Academics, Research, Administration and Finances*'.  
'

I hereby submit before the competent forum the 8<sup>th</sup> Annual Report of the University of Swat for the Year 2019 prepared in accordance with the provisions set by the Higher Education Commission of Pakistan.

**Vice Chancellor  
University of Swat**



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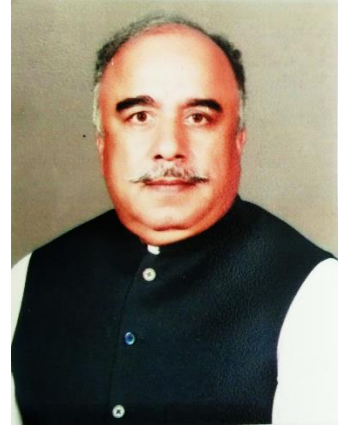
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## Message of the Chancellor

No other investment yields as great a return as the investment in education. An educated workforce is the foundation of every community and the future of every society. Education helps in constructing a balanced society. It develops personalities; strengthens individuals socially and economically. Ultimately it is the respective family, community and humanity as the whole benefitted in real terms.



With aforesaid tested realities in mind, the University of Swat is hoped to rapidly becoming a cherished destination for every student of the area in particular. Further the beauty of Swat valley is due to its rich natural resources and cultural heritage. Apart from attracting tourism, the natural resources can be utilized by the Sciences, Forestry, Environmental Sciences, Animal Sciences, Geography and above all the Tourism Industry of the area can be cited as the best examples.

The annual report of an institution of higher learning reflects the pin pictures of the achievements over the period and also sets directions towards future course of action. I wish this esteemed set of higher learning may successfully continue the efforts to enabling its students and scholars become an incredible asset of the country. I also wish the Vice Chancellor and his team especially the faculty every success in fulfilling their responsibilities as per expectations.

**Shah Farman**  
**Governor, Khyber Pakhtunkhwa/**  
**Chancellor, University of Swat**

## Message of the Vice Chancellor

Education is the most powerful tool we can use to change the world. The roots of education are bitter, but the fruit is sweet. Education is the passport to the future. Tomorrow belongs to those who prepare for it today. It allows us to find the meaning behind everything and helps improve lives in a massive way.

Last year has been a very successful year for University of Swat, and we are proud to tell you all about it in this Annual Report. We are very excited about the coming years and hope that the years ahead will bring further growth and new opportunities for everyone at University of Swat. We appreciate the continued commitment of all our faculty and staff members and I am confident that they will continue to work with the same zeal and commitment.

We, at University of Swat, believe that the only way to build and improve our reputation is to fulfill the expectations of our students, meet our commitments, innovate in our methods of teaching and deliver excellence in whatever capacity we can. By understanding, and embracing the problems of our students, we will be able to build stronger and lasting impact that will yield long term results. Both the students and their parents will start to look at us as their trusted guides and advisors, someone they can count on.

I recognize the importance of the responsibility entrusted on me and we are trying our best to ensure that we take special care to meet and achieve our goals. In order to fulfill the expectations of students, we are always investing in our students, improving the class environment through activities and initiatives. At the same time, we are also trying to attract the best available talent in the region and never compromise on quality of teaching and research. University of Swat is committed to delivering excellence and aspiring to be amongst the well-known education institutions in the country.

I am confident that in coming years University of Swat will continue to progress by leaps and bounds and soon become a model for quality education and a much sought after destination for the youthful mind where young researchers and senior academicians would freely interact to achieve excellence in academics and spread of knowledge.



**Prof. Dr. Muhammad Jamal Khan**  
**Vice Chancellor**

## Executive Summary

The “University of Swat” was established in 2010, and since then, we are catering to the needs of students of Districts Swat, Buner, and Shangla. The students of these districts have the liberty to choose from 23 degree programs and 27 disciplines in both BS and M.Sc, while M.Phil. and Ph.D. are also offered in selected disciplines.

Currently, the university is receiving a tremendous rush of students in almost all its departments. The university is making all-out efforts to fulfill its responsibility of providing quality education to these students.

Currently, the university is operating in three campuses in different locations, i.e. the Main campus, the Shangla campus and the Women Campus. There are 18 public and three private colleges affiliated with the university.

The Annual Report is an important document which showcases progress made in the year from January till December.

The first section is regarding the academic profile of the university. At present, there are six faculties in the university which are namely Faculty of Life Sciences, Faculty of Chemical Sciences, Faculty of Physical and Numerical Sciences, Faculty of Management and Social Sciences, Faculty of Religious and Legal Studies, and Faculty of Languages and Literature. In these faculties, BS Degree programs are offered in 27 disciplines, while Master Degree programs are offered in 14 disciplines.

The classes of the first batch started in October 2010, wherein 271 students were admitted in 7 disciplines of BS degree. The number of students, departments and disciplines increased gradually and, in 2011-12, four new departments and one new discipline were added, while the students' intake in session 2011-12 was 470. In the session 2012-13, one new department and one new discipline were started while the Master, M.Phil. and Ph.D. programs were also launched for the first time, and collectively 609 new students were enrolled. In the session 2013-14 and 2014-15, one new department was opened in each session while new enrollment in all the degree programs was 779 and 872, respectively. In 2015-16 four new departments were started while the new intake was 793. In 2016-17 two new departments were opened while classes were also started in the Shangla campus in a rented building. The intake in the session was 1262. In the session 2017-18, one new department was started, while BS Degree programs were also started in the Women campus of the university. The collective intake in this session was 1439. Thus by the end of the year 2017, the total enrolled students in all the degree programs were 6352 while the passed out students at that time were 2532. In the session 2018-19, a total of 1906 new students were enrolled in all the degree programs.

The student' intake for the academic year 2019-20 in 4 year BS program was 1109 with gender-wise strength of 960 male and 149 female students, exhibiting a ratio of 87% to 13%. Similarly, in M.A/MSc program, a total of 256 students took admission in the session 2019-20, where 156 males while 100 were female students with a ratio of 61% to 39%. In M.Phil total 63 students were enrolled, with 53 male (84%) and 10 females (16%), while 19 students were enrolled in Ph.D. program with 17 males (89%) and 2 females (11%). The cumulative total strength of all the



programs i.e.BS, Masters, MS/MPhil and Ph.D. remained 6031 for the same year with male students 5158 and female students 873, having the overall gender ratio of 86% to 14%.

During the year 2019, a total of 2398 regular students graduated at BS level while at the Master's level 1627 regular students graduated. The number of graduate students in a private capacity in BA was 2605 while the total number of candidates that appeared in Examination was 10084. A total of 627 degrees were issued to regular students of the university, while 1872 degrees were issued to private and regular students of affiliated colleges.

As the main purpose of a university is to provide quality education, the students – faculty ratio is extremely important and needs to be kept at a desirable level. The overall ratio of students and faculty in 2019 changed to 62:1 with 6031 students and 98 faculty members among all the academic disciplines and programs being offered by the University of Swat. There has been 31.9% increase in the enrollment of the students at the university, while a 19% decrease in the strength of the faculty has been observed due to joining other institutions and the decision of the Hon. High Court Peshawar in the contract employees case.

Since research is the hallmark of character and role of any university and the University of Swat researchers both in Natural, Physical and Social Sciences have earned great reputation by acquiring various funded projects from national and international donors besides, publishing research work in journals of international standard and the HEC recognized journals. During the year 2019 around 102 research publications were published by the scholars of the University of Swat in different ISI index and Non-ISI index research journals. Moreover, the Department of Economics and Development Studies, University of Swat, has also contributed to the writing of units and books.

The University of Swat faculty also participated and played a key role in various national and international workshops, trainings, seminars, conferences, and symposia from time to time during the year 2019. To attain the strategic goals of the university, the various trainings attended and organized include; Self-Assessment Report writing, Curriculum Review meetings, Genome re-sequencing, Strategic Vision, NBEAC Accreditation, Himalayan University Consortium Training, Developing CVE Media Content, The Crisis of Good Governance in Pakistan, Islamic Law and Human Rights, and National Cohesion.

The University of Swat pays due attention to the importance of forming linkages with other institutions on the level of professional cooperation, students and teachers exchange programs and sharing of expertise for mutual growth and benefit , the recent linkages with national and international organization included signing MoU with IdeaGist Pakistan for KamyabJawan Startup Pakistan Program, signing MoU with Lahore University of Management Sciences (LUMS) for KP Impact Challenge Program, MoU with Pakistan Agriculture Research Council (PARC) for Research & Academic Collaboration and MoU with Zhengzhon Fruit Research Institute (Chinese Academy of Agriculture Sciences (CAAS).

The Directorate of Outreach, Research, Innovation, and Commercialization (DORIC) facilitated the submission of 29 Research Projects to various donors, including Higher Education Commission, Pakistan, Science Foundation, and Higher Education Department, Khyber Pakhtunkhwa.

In order to develop the human resource of the university, the Planning and Development Directorate of the University of Swat advertised various Overseas Ph.D. scholarships under the



Faculty Development Program of the Higher Education Commission, Pakistan. After due process, total 07 Scholars have been sent to different International universities to pursue their studies. For physical infrastructure development, ten packages of Phase-1 have been advertised and are under construction at Charbagh Swat. The phase-1 is expected to be completed till March 2021, Insha Allah.

To strengthen the Technological Infrastructure, Research and innovation, equipments have been added to the computer labs at the Department of Computer and Software Engineering at Main Campus and Shangla Campus. Other projects included the Forensic Research Laboratory inauguration, re-establishment Radio Studio, and Broadcast Academy. To fulfill the needs of the students, the university also purchased books worth PKR 8.5 million for both the main campus and the Shangla campus of the university.

On the co-curricular side, various activities were arranged for students like observing Green Pakistan day, Kashmir Day, Mental Health Day, World Tourism Day, and numerous field trips. Sports teams of Hockey, Cricket, Football, Squash, and Badminton of the university participated in various sports events across the country and performed well in the competitions.

The Finance Section held its 11th Finance and Planning Committee (F&PC) meeting on April 17, 2019, and recommended various budgetary heads to meet the running/ongoing expenditure for the aforementioned financial year in accordance with their projected estimates. Audit reports of the Departmental Accounts Committee (DAC) meetings in this regard were also held to monitor the spending likewise.

On the Governance side, the University of Swat held six meetings of the Syndicate during 2019 while seven meetings of the Selection Board were also conducted in 2019 where new appointments and promotion cases of various faculty and administrative positions were recommended to the Syndicate.

During the year, 52 Kanal, 9 Marla Land with 55097 SFT structure, consists of the Main block, student hostels and houses, was permanently allotted by the Provincial Govt. to the University of Swat for the establishment of the Shangla Campus. The campus was inaugurated by Mr. Mahmood Khan, Hon. Chief Minister Khyber Pakhtunkhwa on April 22, 2019. Currently, 380 students are undergoing their studies in BS English, BS Zoology, BS Computer Science and BBA. Hostel facility has been provided to the students of far-flung areas while the transport facility has been provided to the students of surrounding villages. The Higher Education Commission has already provided NOC to the Shangla Campus for its ongoing degree programs. Qualified faculty has already been hired while the selection process for the vacant positions is underway.

There is always room for improvement, and we, at the University of Swat, also believe that we will try our level best to further improve our performance. The education sector in our country is under tremendous financial strain for the last few years; however, so far, we have successfully managed the situation at the University of Swat. We, at the level of the university have dedicated to continue with the same zeal and commitment, however, financial and administrative support of all the concerned quarters is always required for running the institution successfully and we are hopeful to get this support in the future as well.

  
**Mahboob Ur Rahman**  
**Director P&D**

# Vision, Mission and Strategic Goals

## Vision

University of Swat aspires to be a premier seat of learning, distinctively recognized for transformative education and multi-disciplinary research to serve humanity.

## Mission

University of Swat is committed to provide academic and rewarding environment for intellectual growth to promote quality research and education, focused on creative and critical thinking with multi-cultural affinity of glorious human values.

## Objectives

The University of Swat strives to accomplish the following objectives:

- To recognize and reward merit for high academic standards.
- To nurture creativity for attaining excellence in academic distinction.
- To facilitate students and academia with a level-playing field in the domain of intellectual and cultural pursuit.
- To professionalize the career advancement through galvanizing the spirit of social and moral responsibility.
- To encourage and support human resource development for the stakeholders in the respective paradigms.
- To enlighten the young minds as productive global citizens.
- To flourish the career and human intellectual growth in the luminance of diversity.

## Core Values

- Commitment
- Responsibility
- Creativity
- Leadership
- Excellence
- Service



## University of Swat – An Introduction

The University of Swat was established in July 2010. Since its establishment the university has made tremendous progress in terms of academics, research and physical infrastructure. Starting with only seven disciplines in 2010, currently the university offers admissions in more than 24 academic disciplines. The university has a strong work ethic and shares common vision and values as a great team.



### Campuses of the University

A state of the art permanent campus is being built at Dakorak Charbagh while currently it is functional in various isolated rented buildings. As a newly established university, the University of Swat is passing through a key phase of establishment. The university successfully accommodates an increasing number of students in spacious and well-equipped buildings at Kanju Township and Sangota having access to all the amenities of education environment. These are listed as under:





### 1. Main Academic Block at Kanju, Township Sector-D, Swat

This campus is situated at Kanju Township, Sector-D located at a distance of 3.5km from main Kabal Road near Saidu Sharif Airport. The following academic units and administrative offices are situated in this campus.

1. Central Library
2. Centre for Animal Sciences and Fisheries
3. Center for Management and Commerce
4. Centre for Plant Sciences & Biodiversity
5. Department of Economics and Development Studies
6. Department of Forensic Sciences
7. Department of Mathematics and Statistics
8. Department of Psychological Studies
9. Directorate of IT
10. Provost Office



Figure 1: Main Academic Block at Kanju, Township Sector-D, Swat

## 2. Campuses at Kanju Township Sector C and PTCL Building.

In order to successfully accommodate the growing number of students and new academic units, buildings have been rented by the university in Kanju Township. The following departments are situated in Sector C and PTCL Building.

1. Centre for Biotechnology and Microbiology
2. Centre of Earth and Space Sciences
3. Department of Applied Physical and Material Sciences
4. Department of Computer and Software Technology
5. Institute of Chemical Sciences
6. Office of the Administrative Officer
7. Office of the Quality Enhancement Cell







Figure 2: Kanju Township, Sector C



### 3. Kanju Township Sector A, Sector E and Sector F

The following academic departments and administrative office are situated at Kanju Township, Sector A, Sector E and Sector F.

1. Centre for Caucasian, Central Asian, Chinese and Pakistan Studies
2. Centre for Education and Staff Training
3. Department of Environmental & Conservation Sciences
4. Department of Islamic Studies
5. Directorate of Planning and Development
6. Directorate of Works
7. DORIC
8. Examination Section
9. Finance and Audit Section
10. Registrar Offices
11. Vice Chancellor Office
12. Vice Chancellor Secretariat



#### 4. Academic Block, Sangota, Swat

The following academic departments are situated at Academic Block, Sangota.

1. Department of Media and Communication Studies
2. Department of Law & Sharia
3. Department of Social and Gender Studies
4. Institute of Agricultural Sciences & Forestry
5. Institute of Cultural Heritage Tourism and Hospitality Management
6. Department of English & Foreign Languages





## 5. Shangla Campus

Shangla Campus of the University of Swat was established on 2016-17. Situated in the hills of Shangla, the Shangla Campus is a beautiful campus with perfect weather in the Summer(s) and lots of snow fall in the winter. This Campus of University at Alpurai, Shangla is contributing significantly towards the development of education in the area. The campus was housed in a rented building near district headquarter Shangla (Lilownai Road, Alpurai). In December 2018 an MoU was signed with HED and University of Swat regarding handing over of ERAA building convering 52 kanals and 9 Marla to University of Swat for Shangla campus. This is a beautifully built infrastructure which resolves the space needs of the campus for offices, classrooms and laboratories. We have a well built committee room with 27 seating capacity, a seminar room with 100 capacity, with built in projector(s), AC, etc. Also accommodation can also be provided for upto 10 people on the campus along with transport facility for upto 60-70 people.

The Department of Computer and Software Technology is one of the most prominent Department in University of Swat (Shangla Campus), established in 2016. The Department of Computer Science at University of Swat aims to provide education and training at all levels to contribute to the national pool of computer scientists who can meet the demands of the industry and the academia. The Centre offers BS-Computer Science (4 years) program. The courses offered will educate the students in the field of Computer Science and the graduates would be able to serve in prestigious institutions at National and International level. The technical skills embodied in the graduates will enable them to cater the needs of the market demands vis-a-vis enter into professional jobs in the future.









## 6. Women Campus / College of Home Sciences

The University of Swat is now providing an exclusive and separate academic environment for girl students offering them highly specialized and technical courses to provide the society professional and skilled young women in order to bring a positive and productive change within their surroundings as well as nationwide. The objective of this project is to provide better opportunities of higher education to the female students of Swat as well as adjoining districts of Kohistan, Shangla, Buner, Malakand, Dir Lower, Dir Upper and Chitral. Better facilities may attract students from other districts of the province. As a result of implementation of this project, the enrollment of the students all levels will increase considerably. Through the introduction of BS 4 year programme at the Women Sub Campus of the Universities, the overall enrolment of the students is likely to increase manifolds during the coming years. Thus the Women sub campus University of Swat was inaugurated on 25<sup>th</sup> July, 2017, initially offering admissions in four disciplines i.e, Zoology, Botany, Psychology and Home Economics in the existing building of College of Home Sciences for BS-Home Economics and F.Sc. I & II (Pre-medical, Pre-engineering & Computer Science). The college has, however, been merged in Women Campus University of Swat. In the 2<sup>nd</sup> phase of the establishment of the said Campus the departments like Chemistry and Biotechnology are also included in the project with the consideration of other new disciplines as well.





## **College of Home Sciences**

The College of Home Sciences is a constituent college of the University of Swat. The University of Swat monitors its academic activities, administrative & financial issues. The College of Home Sciences was founded in 2013 to create a distinguished center of excellence for teaching and research in the field of Home Economics. It is a professional level college offering highly specialized and technical courses in five different disciplines of Home Economics i.e. Art & Design, Food & Nutrition, Human Development & Family Studies, Management Studies and Textile & Clothing. Such subjects enhance and add to the professional and transferable skills of young women and thus empower them to become the leaders of positive and productive change within their surrounding communities as well as nationwide through active participation in discussions and decision makings at homes as well as at national levels.

This field of study extends opportunities for pursuing careers in any of the above professions. Therefore it has special significance in molding the female generation, providing them with an opportunity to study a unique blend both science and art related subjects. It also opens up future avenues for personal, professional and social enhancement. The college also offers FSc Pre medical & Pre Engineering.

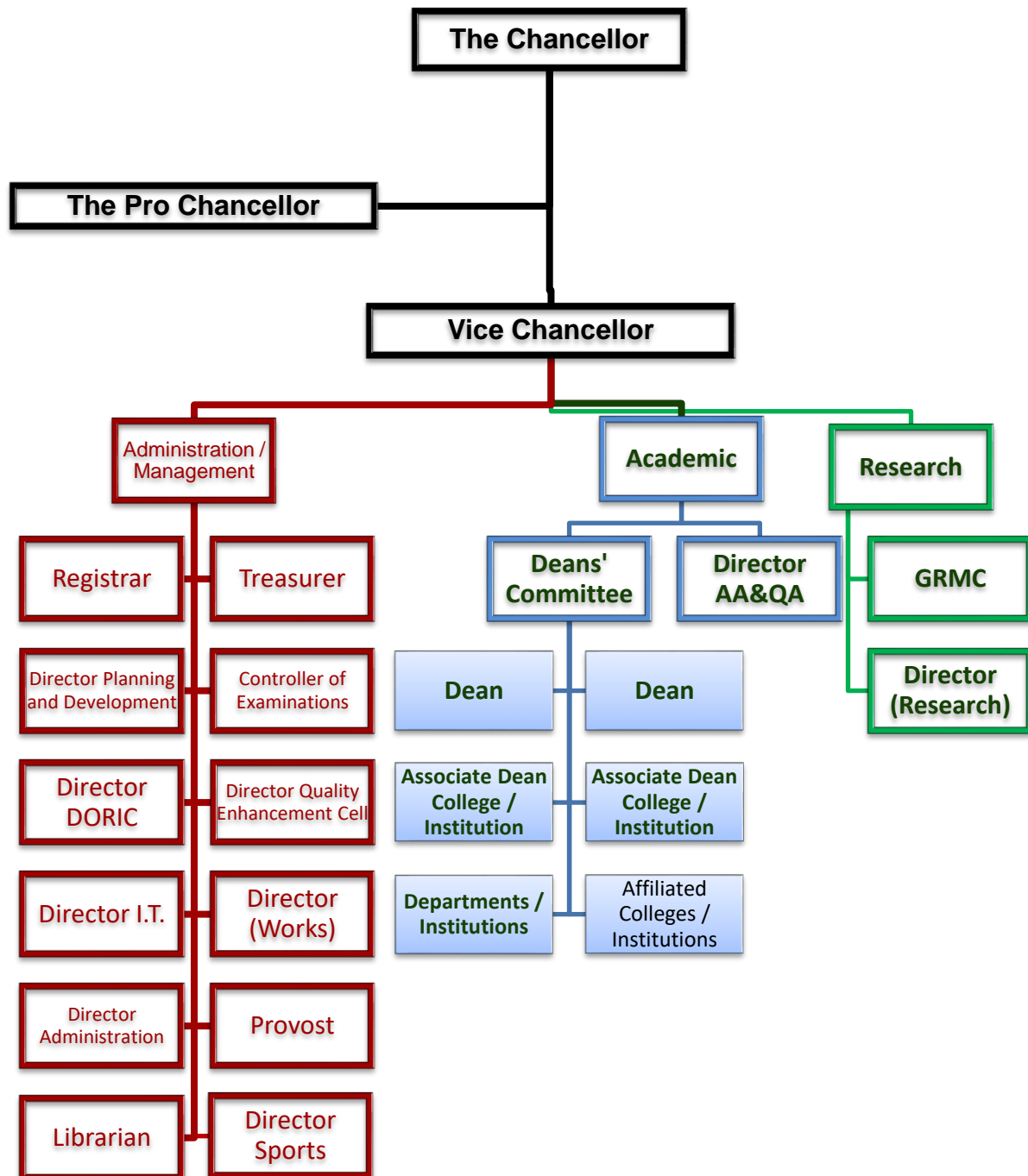


## 7. Main Campus of the University

The main campus of the university is under construction at Charbagh for which an area of 1016 Kanals was acquired. Out of the allocated land only 30% is plain, while, the rest of the land is hilly and uneven terrain. Construction work has already been started on the campus. Significant work has been done on Academic Block-A, Main Access Road and University Boundary Wall whereas the Main gate and Girls' hostel is completed. The campus will be able to accommodate all the academic units and administrative offices of the university with the required facilities. We are committed to work as a team and together we will achieve what we share as our vision for the future - a university which offers a grooming environment to our students and staff with the knowledge generating and research culture.



## *Organisational Structure*









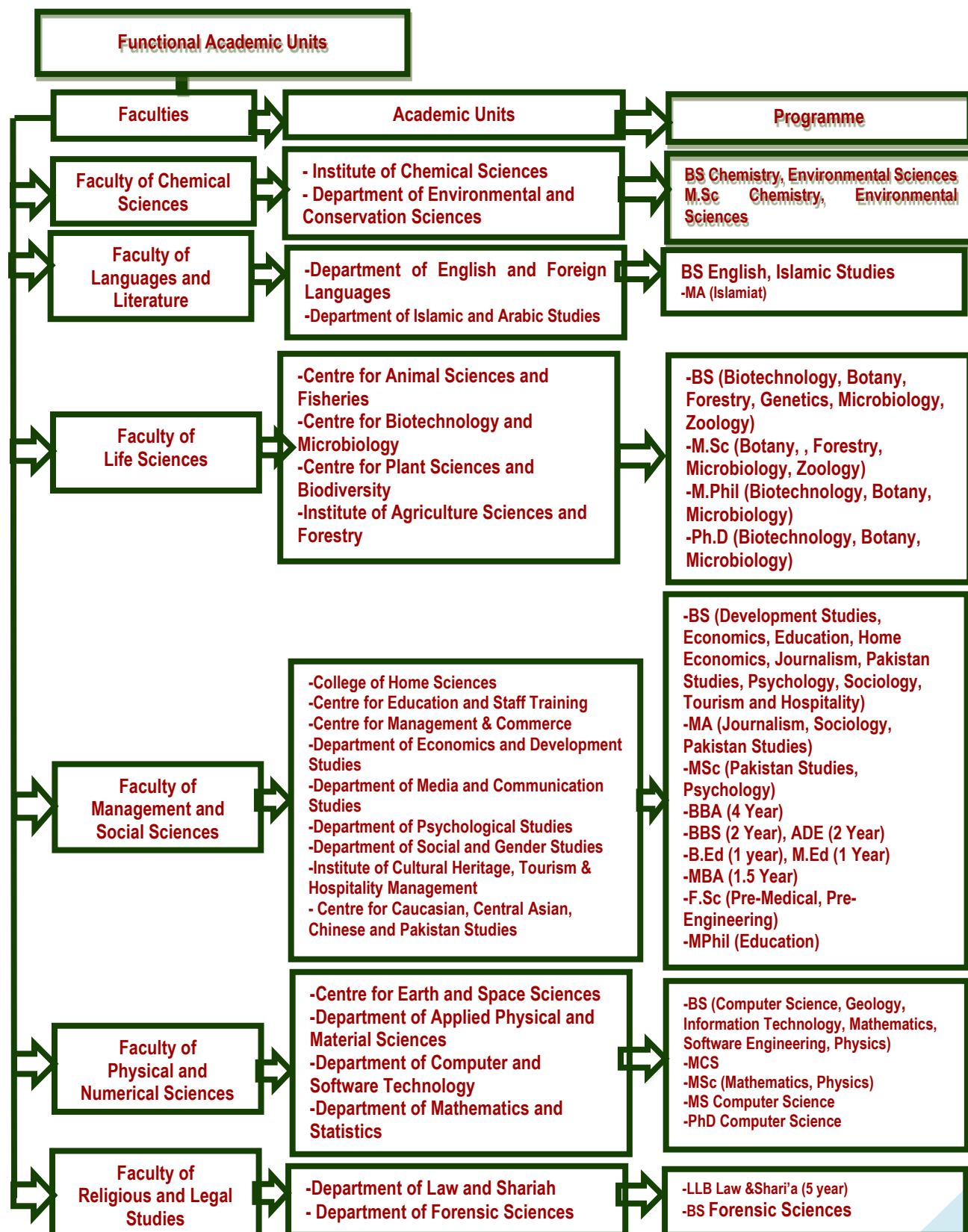
## Academic Activities



“One Book, One Pen, One Child and One Teacher can change the World”.

**Malala Yousafzai**

## 1.1 Academic Structure, Faculty and Programmes



## 1.2 Academic Achievements

### 1.2.1 Pass Out Students of the University

University of Swat has produced a total of 4066 graduates in 24 different disciplines of BS, M.A / M.Sc, MS / MPhil and PhD from 2010 till 2019.

**Table 1: Pass out students in BS, Master, MPhil, PhD (2010-2019)**

Passed Out					
S. No	Programme	Session	Male	Female	Total
1.	BS	2010-14	215	10	225
2.	BS	2011-15	365	39	404
3.	BS	2012-16	347	30	377
4.	BS	2013-17	380	46	426
5.	BS	2014-18	541	71	612
6.	BS	2015-19	306	48	354
7.	Master	2012-14	144	73	217
8.	Master	2013-15	253	83	336
9.	Master	2014-16	164	96	260
10.	Master	2015-17	175	87	262
11.	Master	2016-18	174	65	239
12.	Master	2017-19	223	90	313
13.	M.Phil	2012-14	12	01	13
14.	M.Phil	2013-15	10	05	15
15.	M.Phil	2014-16	11	01	12
16.	PhD	2013-18	01	00	1
Total			3321	745	4066

**Note:** There was no enrollment of students in M.Phil during the year 2015, 2016 and PhD during the year 2014

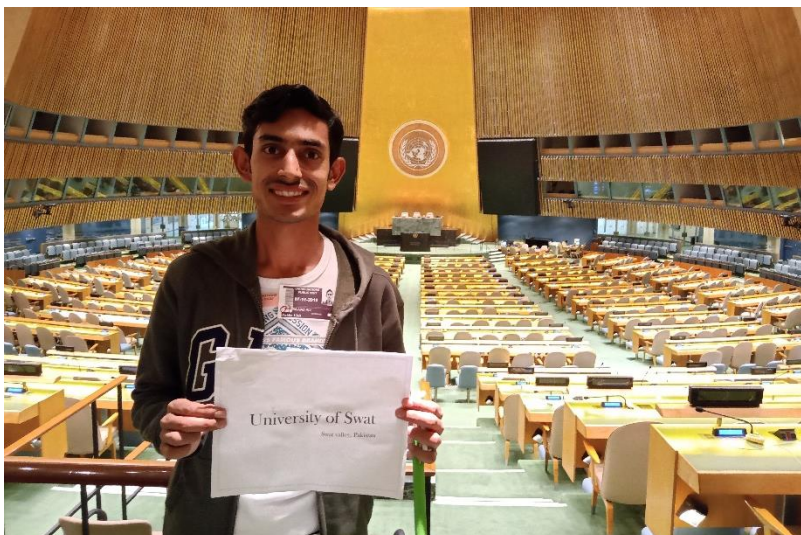
### 1.2.2 Alumni

The Alumni Section was established at Provost Office on 25-09-2017. Till date 900 (Nine hundred) passed out students have been registered.

### **1.2.3 Honours and Awards**

#### **1.2.3.1 Centre for Management and Commerce**

Sajjad Ali a student of the Center for Management and Commerce (CM&C), University of Swat was selected to participate in USA bound Global Undergraduate Exchange Program of the US Department of State in 2019. The program is organized by US department of State and few students are selected through a rigorous process from across the world. It is a matter of great pride that a student of University of Swat



won such a life changing opportunity to represent his culture as exchange student at a leading country of the world. It is hoped that Mr. Sajjad Ali will share his experiences with other students of university to inspire them to achieve their true potential.

#### **1.2.3.2 Department of Economics and Development Studies**

Member of the committee constitute for the award of HEC grants under NRPU



### 1.3 Opening of New Academic Units

Table 2: All Approved Centres / Institutes / Schools and Departments, University of Swat

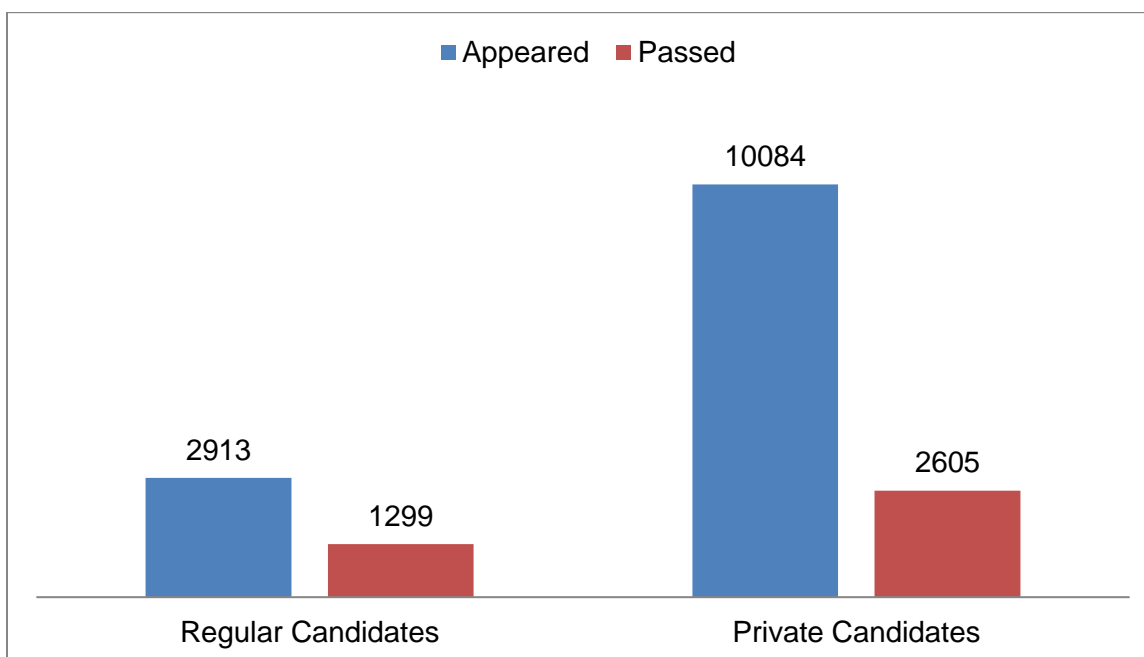
S.No	Faculties	Created	Functional
<b>Faculty of Chemical Sciences</b>			
1.	Institute of Chemical Sciences		✓
2.	Department of Environmental and Conservation Sciences		✓
<b>Faculty of Physical and Numerical Sciences</b>			
3.	Centre for Earth and Space Sciences		✓
4.	Department of Applied Physical and Material Sciences		✓
5.	Department of Computer and Software Technology		✓
6.	Department of Mathematics and Statistics		✓
<b>Faculty of Life Sciences</b>			
7.	Centre for Animal Sciences and Fisheries		✓
8.	Centre for Biotechnology and Microbiology		✓
9.	Centre for Plant Sciences and Biodiversity		✓
10.	Department of Pharmaceutical Sciences	✓	
11.	Institute for Agricultural Sciences and Forestry		✓
<b>Faculty of Management and Social Sciences</b>			
12.	Center for Caucasian, Central Asian, Chinese and Pakistan Studies		✓
13.	Centre for Education and Staff Training		✓
14.	Centre for Management and Commerce		✓
15.	College of Home Sciences		✓
16.	Department of Climate Change and Disaster Management	✓	
17.	Department of Economics and Development Studies		✓
18.	Department of Health and Physical Education	✓	
19.	Department of Library and Information Studies	✓	
20.	Department of Media and Communication Studies		✓
21.	Department of Political and International Studies	✓	
22.	Department of Psychological Studies		✓
23.	Department of Social and Gender Studies		✓
24.	Institute of Culture Heritage, Tourism and Hospitality Management		✓
25.	Institute of Peace, Conflict and Strategic Studies	✓	
<b>Department of Religious and Legal Studies</b>			
26.	Department of Law and Shari'a		✓
27.	Department of Forensic Sciences		✓
<b>Faculty of Languages and Literature</b>			
28.	Department of English and Foreign Languages		✓
29.	Department of Islamic and Arabic Studies		✓
30.	Department of Pashto and Local Languages	✓	
31.	Department of Urdu and Oriental Languages	✓	

## 1.4 Examination Section

### 1.4.1 BA/BSc Annual Examination 2019

The B.A/B.Sc Annual examination 2019 was commenced on 20-06-2019 and terminated on 18-07-2019. Result was declared on 01-10-2019.

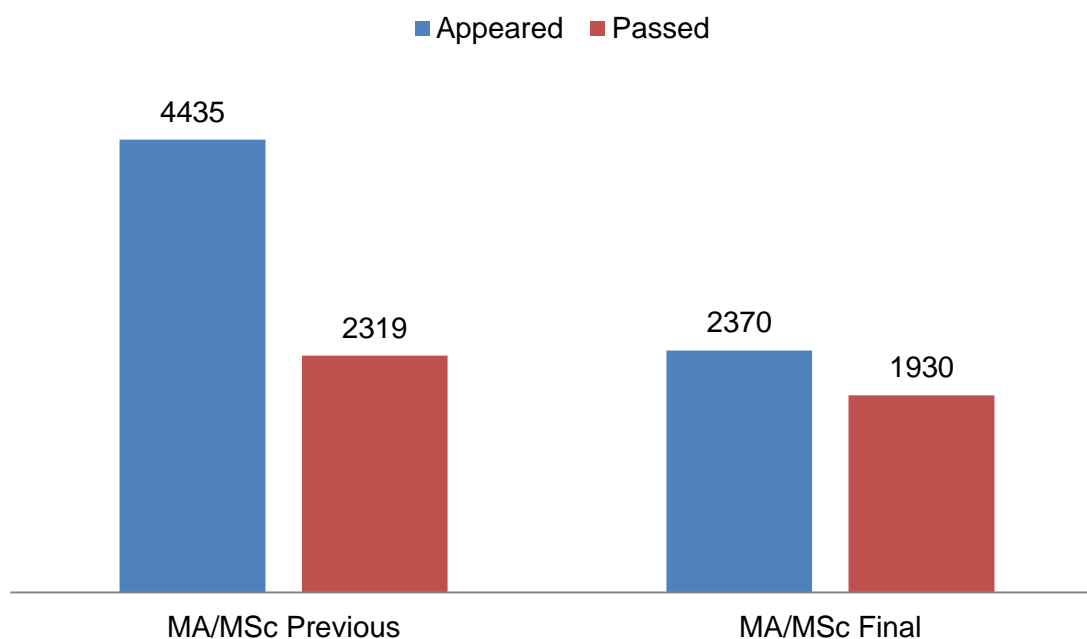
Category	Appeared	Passed
Regular Candidates	2913	1299
Private Candidates	10084	2605
<b>Grand Total</b>	<b>12997</b>	<b>3904</b>



### 1.4.2 MA/MSc Annual Examinations 2019

The M.A/MSc Annual examination 2019 was commenced from **17-09-2019** to **11-10-2019** Result of MSc (Computer Science, Chemistry, Economics, Mathematics & Physics) were declared on 14-11-2019, results of MA/MSc (Arabic, English, History, IR, Pashto, Political Science & Zoology) were declared on 18-12-2019, result of M.A/MSc (Islamiyat & Urdu) were declared on 10-01-2020.

Discipline	Appeared	Passed
MA/MSc (Previous)	4435	2319
MA/MSc (Final)	2370	1930
<b>Grand Total</b>	<b>6805</b>	<b>4249</b>



### 1.4.3 B.Com/BBA Annual Examinations 2019

B.Com Annual examination 2019 was commenced from 20-06-2019 and terminated 08-07-2019 & result was declared on 29-08-2019. BBA Annual examination 2019 was commenced from 20-06-2019 and terminated on 27-07-2019. Result was declared on 07-11-2019.

Program Name	Appeared	Passed
B.Com	28	07
BBA	62	10

#### **1.4.4 Government College of Management Sciences Sangota Swat**

##### **Master of Business Administration (3.5 Year)**

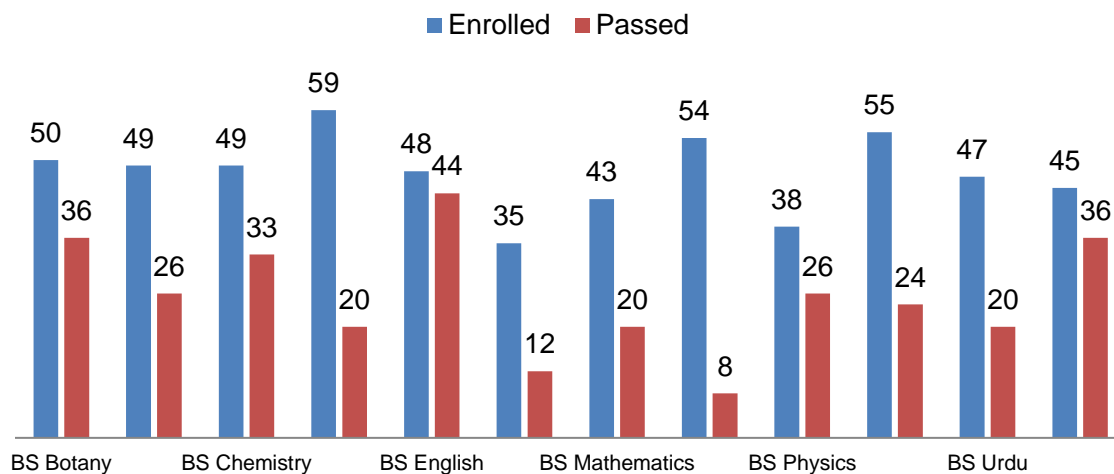
Master of Business Administration (3.5 Year) Term System examination Fall Term 2018 (Term-VII) was commenced from 19-02-2019 and terminated on 20-02-2019 & result of was declared on 20-05-2019.

<b>Program Name</b>	<b>Appeared</b>	<b>Passed</b>
Master of Business Administration (Part-VII)	06	06

#### **BS degree programs for session 2015-19**

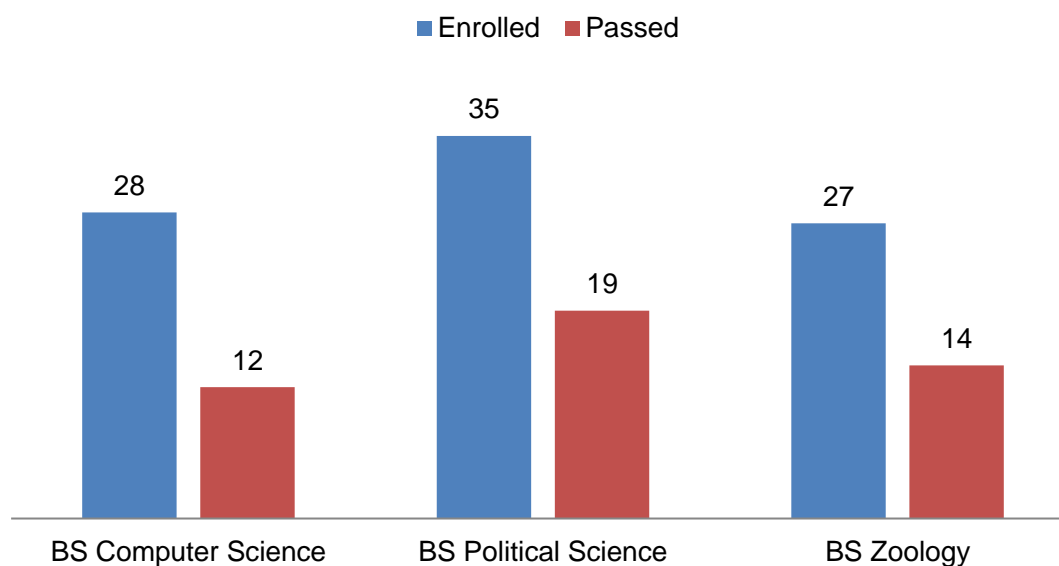
##### **1.4.5 Government Post Graduate Jahanzeb College, Saidu Sharif, Swat**

<b>Program Name</b>	<b>Enrolled</b>	<b>Passed</b>
BS Botany	50	36
BS Computer Science	49	26
BS Chemistry	49	33
BS Economics	59	20
BS English	48	44
BS History	35	12
BS Mathematics	43	20
BS Pakistan Studies	54	8
BS Physics	38	26
BS Political Science	55	24
BS Urdu	47	20
BS Zoology	45	36



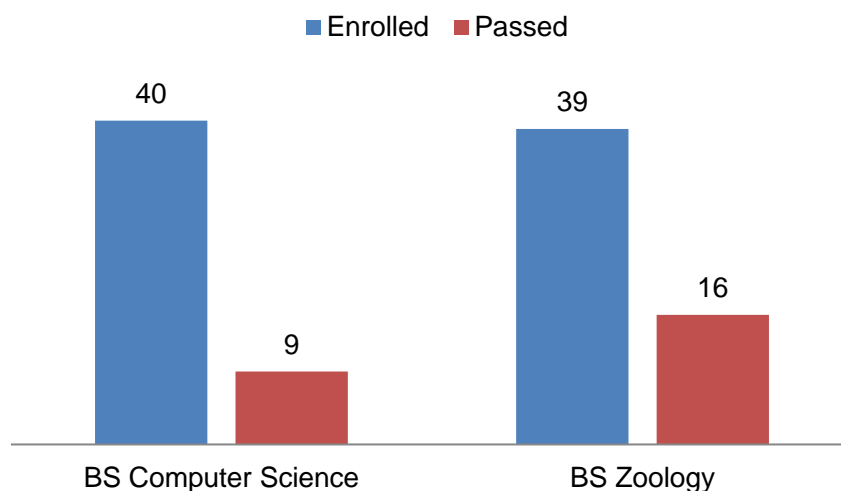
#### 1.4.6 Government Degree College, Daggar, Buner, Session 2015-19

Program Name	Enrolled	Passed
BS Computer Science	28	12
BS Political Science	35	19
BS Zoology	27	14



#### 1.4.7 Government Afzal Khan Lala Post Graduate College, Matta, Swat, Session 2015-19

Program Name	Enrolled	Passed
BS Computer Science	40	09
BS Zoology	39	16



#### 1.4.8 Degree Issuance and Degree/Transcript/DMC Verification

Title	Quantity	
Degree issued (Regular)	627	2499
Degree issued (Affiliated Regular)	1872	
Degree verified	441	
DMC verified (Annual System)	1659	
Transcript verified	589	

Degrees issued to students from January 01, 2019 to December 31, 2019 of regular students are 627 while to affiliated colleges and Private candidates are 1872 which accumulates to a total of 2499 degrees. The Degrees verified during this period are 441. Moreover, DMC of Annual system verified are 1659 and Transcripts verified during this period are 589.



## Research & Development



“When you do enough research, the story almost writes itself, Lines of development spring loose and you’ll have choices galore”

**Robert Mckee**

## Research at the University

The University of Swat consistently strives to build an environment which is conducive and encouraging for research, as research leads to invention, innovation and the creation of knowledge. In the current era universities are the hub of advancement in technologies because of the constant research work it carries out and therefore are the leaders in production of knowledge and advancement of the economy of the country. University of Swat focuses on quality research as it acts as an engine of growth and development for our country. The university realizes this fact and therefore inspires to make its place among the leaders in the near future.

The faculty of the University of Swat during the year 2019 significantly contributed in terms of research publication in their respective areas of interest in journals of national and international repute. The University has offered strong support to enhance their efforts, both in terms of infrastructure as well as institutional support via encouragement and facilitation.

The university has strengthened and revitalized Quality Enhancement Cell (QEC) and Directorate of Outreach, Research, Innovation and Commercialization (DORIC) in order to boost a culture of research on the campus. The QEC is making significant contribution towards enhancement of academics and promotion and support of quality research activities. The role of DORIC has also been instrumental in linking the academia with industries and the society. The fruits of research in any academic institution cannot be tasted by the community if innovation in the university is not translated into tangible products and services which are of utility to the masses in the community.



**Figure 3: Students during Practical Work at Research Laboratories, University of Swat**



## 2.1 Research Grants/Projects

The following section outlines the details of Research Projects granted to various institute(s)/center(s)/departments in 2019.

### Centre for Animal Sciences and Fisheries

<b>Title of Project</b>	<b>Principal/ Co-Principal Investigator</b>	<b>Sponsoring Agency</b>	<b>Amount PKR (Million)</b>	<b>Status Ongoing/ Completed</b>
Assessment of Economically Important Plants Disease and Pest in Swat Valley for Future Food Security	Dr.Akhtar Rasool (PI) Dr.Fazal Akbar (Co-PI)	HED-Khyber Pakhtunkhwa	1.497	submitted

### Centre for Biotechnology and Microbiology

<b>Title of Project</b>	<b>Principal/ Co-Principal Investigator</b>	<b>Sponsoring Agency</b>	<b>Amount PKR (Million)</b>	<b>Status Ongoing/ Completed</b>
The synergistic effects of plant hormones on morphogenic potential and content of piperine in regenerated shoots of Black pepper. (project# 199)	Dr. Nisar Ahmad (PI), and Dr. Shahid (Co-PI)	HEC	0.5	Completed
Bioactivities and conservation of endangered medicinal plants of District Swat.	Dr. Wajid Khan (PI) and Dr. Nisar Ahmad (Co-PI)	HEC	0.5	Completed
Designing biological control strategies against peach leaf curl disease	Dr. Haji Khan	HEC (NRPU)	2.8	Ongoing
Molecular Characterization and Prevalence of Hepatitis C Virus Infection in Mentally Disabled Persons in District Swat	Dr. Nasib Zaman(PI) Dr. Fazal Akbar(Co-PI)	HEC	0.408	Ongoing
Analysis of the diversity of begomovirus-complex and its whitefly vector in Khyber Pakhtunkhwa	Dr. Fazal Akbar (PI)	HEC	4.7	Ongoing
Designing biological control strategies against peach leaf curl disease	Dr. Fazal Akbar (Co-PI)	HEC	2.9	Ongoing

### Centre for Plant Sciences and Biodiversity

S. No	Title of Project	Principal/ Co-Principal Investigator	Sponsoring Agency	Amount PKR (Million)	Status Ongoing/ Completed
1.	Up-gradation and strengthening of the CPS&B Laboratory	Dr. Haidar Ali	HEC	2.9	Ongoing
2.	DNA Barcoding and Molecular Phylogeny of the Grasses (Poaceae) of Pakistan	Dr. Zahid Ullah/ Dr. Ahmad Ali	HEC	5.29	Ongoing
3.	Conservation of <i>Taxus contorta</i> through micro-propagation, rehabilitation of its native habitat, extraction of Taxol (anticancer drug) and identification of transcription levels biosynthetic genes	Dr. Haidar Ali	HEC	7.86	Ongoing
4.	Taxonomy and Phylogeny of some economically important Mashroom of District Upper Dir KP Pakistan.	Dr. Shah Hussain / Dr. Hassan Sher	SRGP-HEC	0.480	Ongoing
5.	Economic development through MAPs cultivation in District Swat	Dr. Hassan Sher	PSSP-IFPRI	3.0	Completed
6.	Survey of Macro-Fungi (Morel mushrooms) of Northern Pakistan, to quantify the benefits of viability of a country-wide inventory	Dr. Hassan Sher	HEC	1.47	Completed
7.	Medicinal and aromatic plants production for economic development and conservation in Swat valley, Pakistan	Dr. Hassan Sher / Dr. Rainer Bussmann	Pak-US S&T Cooperation Program	25	Completed
8.	Plant Biodiversity of Elum valley Swat, DNA barcoding and conservation of rare, threatened and endemic taxa through micro-propagation	Dr. Haidar Ali	HEC	5.977	Ongoing
9.	Molecular and physiological evaluation of stay green wheat genotypes for drought tolerance	Dr. Ahmad Ali/ Dr. Hassan Sher	HEC	3.7	Ongoing

### Department of Computer and Software Technology

Title of Project	Principal/ Co-Principal Investigator	Sponsoring Agency	Amount PKR (Million)	Status Ongoing/ Completed
Cluster-based real-time mixed-criticality scheduling on multicore systems	Dr. Amjad Ali	HED	1.5	Ongoing
Real-Time Mixed-Criticality Scheduling on Multi Core Systems	Dr. Amjad Ali	HEC	17	Ongoing

### Department of Economics and Development Studies

<b>Title of Project</b>	<b>Principal/ Co-Principal Investigator</b>	<b>Sponsoring Agency</b>	<b>Amount PKR (Million)</b>	<b>Status Ongoing/ Completed</b>
To assess the awareness level of farming community of districts Malakand and Swat regarding climate change	Dr. Tariq Shah / Dr. Fazli Rabbi	HEC	0.355	Completed
Payments for forest ecosystem services in province Khyber Pakhtunkhwa, Pakistan	Dr Anwar Hussain / Dr M. Nasir	Ministry of Climate Change	1.25	Completed

### Department of Environmental and Conservation Sciences

<b>Title of Project</b>	<b>Principal/ Co-Principal Investigator</b>	<b>Sponsoring Agency</b>	<b>Amount PKR (Million)</b>	<b>Status Ongoing/ Completed</b>
Transport, fate and toxicological effects of heavy metals in soil, food plants and irrigation water in Peshawar basin, Khyber Pakhtunkhwa	Dr. Anwarzeb Khan (PI)	HEC	0.5	Ongoing

### Department of Forensic Sciences

<b>Title of Project</b>	<b>Principal/ Co-Principal Investigator</b>	<b>Sponsoring Agency</b>	<b>Amount PKR (Million)</b>	<b>Status Ongoing/ Completed</b>
DNA-based Prediction of Eye and Hair Colour of Pakhtun Population Living In Malakand Division Of Pakistan	Dr M. Israr (PI)	HEC	7.103	Ongoing
Degraded DNA Study through non-CODIS STRs	Dr M. Israr (PI)	HEC	0.479	Completed
Taxonomic and DNA bar-coding of Vespidae of KPK	Dr M. Israr (Co-PI)	HEC	0.485	Completed
Genetic Characterization of CODIS STRs in Pakhtun Population	Dr M. Israr (PI)	HED, KP	2.476	Submitted
Forensic DNA Typing Laboratory Set-up at University of Swat	Dr M. Israr (PI)	DoST	14.878	Submitted
Using ancestry informative markers (AIMs) to define and detect Pakistani population stratification	Dr M. Israr (PI)	PSF	18.56	Submitted
Development of DNA testing kit and its validation in Pakhtun population of Malakand Division	Dr M. Israr (PI)	HED	2.49	Submitted

### Institute of Chemical Sciences

<b>Title of Project</b>	<b>Principal/ Co-Principal Investigator</b>	<b>Sponsoring Agency</b>	<b>Amount PKR (Million)</b>	<b>Status Ongoing/ Completed</b>
Development of embedded capacitors based on waste ceramics/polyaniline (PANI) macro-composites for batteries and microwaves devices	Dr. Muhammad Sohail / Dr. Ihsanullah	HEC, Pakistan	4.99	Ongoing
Synthesis and characterization of click generated triazoles and its applications as a chemosensor for antibiotics	Dr. Kiramat Shah / Dr. Ihsanullah	HEC, Pakistan	4.53	Ongoing
Synthesis, characterization and biological activities of porphyrin schiff bases	Dr. Mian Gul Sayed / Dr. Omar	HEC, Pakistan	4.70	Ongoing
Studies on The Co-Pyrolysis of Polystyrene with other Municipal Plastic Wastes into Valued Products using Supported Catalysts	Dr. Adnan / Dr. IhsanUllah	HEC, Pakistan	3.06	Ongoing
Preparation and application of Nb <sub>2</sub> O <sub>5</sub> -X(X = Fe, Mn, Cu) catalyst for dyes degradation	Dr. Fida Hussain / Dr. Muhammad Omer	HEC, Pakistan	4.33	Ongoing
Decomposition behavior of CU and Ag complexes stabilized by thiourea ligands, characterization and preliminary applications as photocatalysts	Dr. Adnan Shahzad / Dr. Ezzat Khan (UoM)	HEC, Pakistan	4.64	Ongoing

### PROJECTS SUMMARY 2019

<b>Sponsoring Agency</b>	<b>Projects completed</b>	<b>Projects Ongoing</b>	<b>Submitted</b>	<b>Total</b>
<b>HEC</b>	<b>6</b>	<b>18</b>	<b>0</b>	<b>24</b>
<b>Others</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>8</b>
<b>Total</b>	<b>9</b>	<b>18</b>	<b>5</b>	<b>32</b>



## 2.2 Research Publications in 2019

During the year 2019 faculty members of the University of Swat across all disciplines have published research articles in journals of international repute. Special emphasis is given as the university is very keen to facilitate the faculty in producing quality research in their respective areas of specialization. In order to boost the research profile of the university the effort is always to publish research in top ranking journals. The following articles were published during the year 2019:

### Centre for Animal Sciences and Fisheries

- Naseem, M. T., Ashfaq, M., Khan, A. M., Rasool, A., Asif, M., & Hebert, P. D. (2019). BIN overlap confirms transcontinental distribution of pest aphids (Hemiptera: Aphididae). *PloS one*, 14(12).
- Saeed, N., Khan, M. S., Ahmad, H., & Shah, M. (2019). Analysis and Management of Phytonematodes Associated with Walnut (*Juglans regia* L.) in Hazara Division, Pakistan. *Punjab University Journal of Zoology*, 34(2), 191-195. (HEC recognize)
- Zia, A., Hussain, I., Mehmood, S. A., Ahmad, S., Shah, M., & Bhatti, A. R. (2019). Richness and distribution of Odonata in Kurram district, Khyber Pakhtunkhwa. *Pakistan Journal of Agricultural Research*, 32(4), 589. (HEC recognize)

### Centre for Biotechnology and Microbiology

- Alam T, Khan RAA, Ali A, Sher H, Ullah Z, **Ali M** (2019) Biogenic synthesis of iron oxide nanoparticles via *Skimmia laureola* and their antibacterial efficacy against bacterial wilt pathogen *Ralstonia solanacearum*. *Materials Science and Engineering: C*. 98: 101-108. **IF: 5.880**
- Ali M**, Ahmad N, Khan H, Ali S, Akbar F, Hussain Z (2019) Polio vaccination controversy in Pakistan. *The Lancet*. 394 (10202): 915-916. **IF: 60.392**
- Ali, A., Khan, A., Kaushik, A. C., Wang, Y., Ali, S. S., Junaid, M., ... & Wei, D. Q. (2019). Immunoinformatic and systems biology approaches to predict and validate peptide vaccines against Epstein–Barr virus (EBV). *Scientific reports*, 9(1), 1-12. IF 4.01
- Fazal, H., Abbasi, B. H., Ahmad, N., Ali, M., Shujait Ali, S., Khan, A., & Wei, D. Q. (2019). Sustainable production of biomass and industrially important secondary metabolites in cell cultures of selfheal (*Prunella vulgaris* L.) elicited by silver and gold nanoparticles. *Artificial Cells, Nanomedicine, and Biotechnology*, 47(1), 2553-2561. (IF=3.343)
- Hussain, F., Hadi, F., Akbar, F., 2019. Magnetium oxide nanoparticles and thidiazuron enhance lead phytoaccumulation and antioxidative response in *Raphanus sativus* L. *Environmental Science and Pollution Research*, <https://doi.org/10.1007/s11356-019-06206-7>
- Jan, A. U., Hadi, F., Akbar, F., & Shah, A. (2019). Role of potassium, zinc and gibberellic acid in increasing drought stress tolerance in sunflower (*helianthus annuus* l.). *Pak. J. Bot*, 51(3), 809-815.
- Khan, A., Kaushik, A. C., Ali, S. S., Ahmad, N., & Wei, D. Q. (2019). Deep-learning-based target screening and similarity search for the predicted inhibitors of the pathways in Parkinson's disease. *RSC advances*, 9(18), 10326-10339. IF 3.01
- Khan, S., & Ali, S. (2019). Exhaustive Review on Lung Cancers: Novel Technologies. *Current Medical Imaging*, 15(9), 873-883. **Bentham Science Publisher (IF=0.53)**

- Khan, S., Khan, A., Rehman, A. U., Ahmad, I., Ullah, S., Khan, A. A., ... & Wei, D. Q. (2019). Immunoinformatics and structural vaccinology driven prediction of multi-epitope vaccine against Mayaro virus and validation through in-silico expression. *Infection, Genetics and Evolution*, 73, 390-400. IF 2.75
- Mahmood, R. T., Asad, M. J., Asgher, M., Zainab, T., Zafar, M., Hadri, S. H., ... & Wattoo, F. H. (2019). First report on implementation of response surface methodology for the biodegradation of textile industrial effluents by *Coniophora puteana* IEBL-1. *Archives of Environmental Protection*, 45.
- Uddin, M., Saifullah, A. M., Khan, W., & Khan, B. (2019). Evaluation of *Pochonia chlamydosporia* (Goddard) Isolates for Suppression of *Meloidogyne incognita*, Root-Knot Nematode of Tomato. *Journal of Agricultural Science*, 11(5).
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- Khan, F. N.**, Hussain, Sajjad., & Imad, M. (2019). Classroom Assessment, Literacy and Practices of Teacher Educators in Pakistan. *Global Social Sciences Review*, IV (VI), 1-10.
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### **Centre for Management and Commerce**

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Farooq, N., Bilal, H., Raza, W., Hayat, K. (2019). Organizational Commitment and Qualification: A study of Private Sector Universities. *City University Research Journal*, 9(3), 537-545 **(Category Y, HEC Recognized)**

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Hussain, S, Shaheen, N, Ahmad, N & Islam, S. (2019). Teachers' Classroom Assessment Practices: Challenges and Opportunities to Classroom Teachers in Pakistan. *Dialogue (Pakistan)*, 13(1).87-97

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## Centre for Plant Sciences and Biodiversity

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#### **Department of Applied Physical and Material Sciences**

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- Ali, S.**, & Ali, J. (2019). Suicidal Ideation in Victims of Sexual Abuse in Khyber Pakhtunkhwa, Pakistan. *Pakistan Journal of Women's Studies*, 26(1).
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- Hayat, U.**, T. Shah, M.S. Bacha and Muhammad. 2019. An empirical assessment of the dynamics of agricultural growth in Pakistan. *Sarhad Journal of Agriculture*, 35(3): 782-787. **(HEC Recognized, Scopus Indexed)**
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- Khan, Z. **Rabbi, F.** Ahmad, M. & Siqun, Y. (2019). Remittances inflow and private investment: a case study of South Asian economies via panel data analysis. *Economic Research-Ekonomska. Istraživanja*. 32:1, 2723-2742. **(HEC recognized, Impact factor 1.28 (2019))**
- Khan, Z. Shahbaz, M. Ahmad, M., **Rabbi, F.** & Yang, S. (2019). Total retail goods consumption, industry structure, urban population growth and pollution intensity: an application of panel data analysis for China. *Environmental science and pollution research*. **(AI: 0.65 HEC recognized, Impact factor 2.914)**
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- Memon, J. A., Alizai, M. Q., & Hussain, A. (2019). Who will think outside the sink? Farmers' willingness to invest in technologies for groundwater sustainability in Pakistan. *Environment, Development and Sustainability*, 1-21. IF 1.68
- Sanaullah, **Rabbi, F. Ali, S.** Khan, Z. and Zamin, M. (2019). Visitors' willingness to pay for conservation of Biodiversity and tourism in Kalam Valley of Khyber Pakhtunkhwa. *Sarhad Journal of Agriculture*. 36(1):81-94. **(HEC recognized)**
- Shah, T., **U. Hayat**, M.S. Bacha and Muhammad. 2019. An empirical analysis of livestock activities of the model farm service center in Khyber Pakhtunkhwa. *Sarhad Journal of Agriculture*, 35(2): 557-564. **(HEC Recognized, Scopus Indexed)**
- Shah. T., **Rabbi, F.**, **Hayat, U.**, Ullah. I., Khan. B., Shah. F. 2019. Assessing The Awareness Level of Farming Community Regarding Climate Change: A Survey of Districts Malakand and Swat of Khyber Pakhtunkhwa province, Pakistan. *Fresenius Environmental Bulletin*, 28(12A):9877-9885 **(ISI Indexed, IF = 0.69)**
- Ziad, K.T., **U. Hayat**, Muhammad and M.S. Bacha. 2019. An economic assessment of problems associated with small-scale farmers in the dairy sector of Pakistan (A case study of Punjab province). *Sarhad Journal of Agriculture*, 35(1): 194-207. **(HEC Recognized, Scopus Indexed)**

#### **Department of Environmental and Conservational Sciences**

- Ahmad, R., Liu, G., Santagata, R., Casazza, M., Xue, J., **Khan, K.**, Nawab, J., Ulgiati, S. and Lega, M., 2019. LCA of Hospital Solid Waste Treatment Alternatives in a Developing Country: The Case of District Swat, Pakistan. *Sustainability*, 11(13), 3501.
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- Baninla, Y., Zhang, M., Lu, Y., Lianga, R., Zhang, Q., Zhou, Y., **Khan, K.**, 2019. A transitional perspective of global and regional mineral material flows. *Resources, Conservation and Recycling*, 140, 91-101.
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- Cao, X., Lu, Y., Wang, C., Zhang, M., Yuan, J., Zhang, A., Song, S., Baninla, Y., **Khan, K.**, Wang, Y., 2019. Hydrogeochemistry and quality of surface water and groundwater in the drinking water source area of an urbanizing region. *Ecotoxicology and Environmental Safety* 186, 109628.
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- Sardar Khan, **Neelum Ali**, Muhammad Amjad Khan; **Muhammad Waqas**; Huaiying Yao “Endocrine disrupting pesticides and their health risk through ingestion of vegetables grown in Pakistan” *Environmental Science and Pollution Research*, <https://doi.org/10.1007/s11356-019-04287-y>:Published on 2<sup>nd</sup> Feb 2019.
- Shandana, Noor Jehan, **Muhammad Waqas**, Muhammad Amjad Khan, Mahnoor and Juma Muhammad (2019), Arsenic concentration in paddy soil and its accumulation in rice: a health risk assessment, *Journal of Himalayan Earth Sciences*, Volume 52, No. 1, 2019 pp. 27-36
- Sharif, H.M.A., Cheng, H.Yi., Haider, M.R., **Khan, K.**, Yang, L., and Wang, A., 2019. NO removal with efficient recovery of N<sub>2</sub>O by using recyclable Fe<sub>3</sub>O<sub>4</sub>@EDTA@Fe(II) complex: a novel approach towards resource recovery from flue gas. Accepted in the *Environmental Science & Technology* 10-12.
- Wang, C., Li, Q., Lu, Y., Wang, T., **Khan, K.**, Wang, P., Meng, J., Zhou, Y., Yvette, B., Suriyanarayanan, S., 2019. Simulating transport, flux, and ecological risk of perfluorooctanoate 2 in a river affected by a major fluorochemical manufacturer in 3 northern China, *Science of the Total Environment* 657; 792–803.

### Department of Law & Shari'a

- Haq, F., Saqib, L. (2019). Labors Rights- The Meeting Points of Sharī'ah (Islamic Law) and Pakistani Labor Laws (A Realistic Approach) Pakistan, Pakistan Journal of Islamic Research, 20(2). 187-212 (X) ISSN : 2070-0326
- Haq, F., Saqib, L. (2019). حصص اصحاب الفروض في علم الفرائض، فلسفتها ومقارنتها بالقانون الباكستاني, Pakistan Vision, 12(2). 253-269 (X) ISSN : 1998-4472
- Khan, M. A., Kundi, K., & Saqib, L. (2019). Liability for Defective Pharmaceutical Products in Pakistani Law. Pakistan Vision, 20(2). 60-81 (Cat. Y) ISSN :1681-5742
- Saqib, L., Faizy, R.A. (2019), Estoppel – Do the Common Law and Sharī'ah have the Same Approach? (A Comparative Jurisprudential Approach), Hamdard Islamicus, 42(3). 83-105 (X). ISSN : 0250-7196
- Saqib, L., Ullah, A. (2019) The Concept of Istisnā' in Islamic Commercial Law (Sharī'ah) and its possible Role in the Development of Local Farming in Pakistan, Hamdard Islamicus, 42(1). 57-83 (X). ISSN : 0250-7196

### Department of Mathematics and Statistics

- Agarwal, R. P., Badshah, Q., ur Rahman, G., & Islam, S. (2019). Optimal control & dynamical aspects of a stochastic pine wilt disease model. *Journal of the Franklin Institute*, 356(7), 3991-4025. (IF: 3. 5).
- Habib, S., Garg, H., Nie, Y., & Muhammad Khan, F. (2019). An Innovative Approach towards Possibility Fuzzy Soft Ordered Semigroups for Ideals and Its Application. *Mathematics*, 7(12), 1183. doi:10.3390/math7121183 (ISI, I.F=1.18).
- Habib, S., Muhammad Khan, F., & Yufeng, N. (2019). A new concept of possibility fuzzy soft ordered semigroups via its applications. *Journal of Intelligent & Fuzzy Systems*, 36(4), 3685-3696. (ISI, I.F=1.4).
- Khan, F. M., Nieyufeng, H. U. K., & Khan, A. (2019). A New Classification of Hemirings through Double-Framed Soft h-Ideals. *Sains Malaysiana*, 48(12), 2817-2830. (I.F. =0.56).
- Sarfaraz, S., Ahmad, N., & ur Rahman, G. (2019). Study of nonlinear Pachpatte's inequalities on time scales. *Advances in Difference Equations*, 2019(1), 1-18. <https://doi.org/10.1186/s13662-019-2333-8> (IF: 0. 335).
- ur Rahman, G., & Shah, K. (2019). Mathematical Analysis of Implicit Impulsive Switched Coupled Evolution Equations. *Results in Mathematics*, 74(4), 142. DOI: 10.1007/s00025-019-1066-z. (IF: 0.9).

### Department of Media and Communication Studies

- Rooh ul Amin Khan & Jamaluddin (2019) Media, Conflict and Foreign Policy Interaction: Analysis of Indo-Pak Media during Violence in Indian held Kashmir. Pakistan-Annual Journal, Vol 55 pp116-129

### Institute of Chemical Sciences

- Sohail, M., Khan, M. S., Omer, M., Marwat, I. U., Khattak, N. S., Khan, S. U., ... & Rahman, S. U. (2019). Synthesis, morphology, structural, and rheological studies of Fe 0.01 Al 0.5 La 0.01 Zn 0.98 O-based polyaniline composite materials. *Journal of the Australian Ceramic Society*, 55(1), 25-36. (IF 0.587)



- Ullah, I., Nawaz, M., Villinger, A., & Langer, P. (2011). Synthesis of 8, 9-disubstituted fluoranthenes by domino two-fold Heck/electrocyclization/dehydrogenation of 1, 2-dibromoacenaphthylene. *Tetrahedron letters*, 52(16), 1888-1890. (IF 2.193)
- Shah, K., ul Ain, N., Ahmed, F., Anis, I., & Shah, M. R. (2017). A new highly selective chemosensor for the detection of iron ion in aqueous medium based on click generated triazole. *Sensors and Actuators B: Chemical*, 249, 515-522. (IF 5.67)

#### Shangla Campus:

##### Department of Computer and Software Technology

- Khan, O., Din, A., Khalid, A., Khan, A., Ahmed, A., & Zia, K. (2019). Online Adversarial Coverage for Multi-Agent Systems. In *2019 15th International Conference on Emerging Technologies (ICET)* (pp. 1-6). IEEE.

#### SUMMARY OF RESEARCH PAPERS PUBLISHED

S. No	Centre / Department / Institute	2016-17	2017-18	2019
1.	Centre for Animal Sciences and Fisheries	06	04	03
2.	Centre for Biotechnology and Microbiology	31	29	16
3.	Centre for Education and Staff Training	00	12	06
4.	Centre for Management and Commerce	17	08	11
5.	Centre for Plant Sciences and Biodiversity	14	14	16
6.	Department of Applied Physical and Material Sciences	04	04	04
7.	Department of Computer and Software Technology	06	04	00
8.	Department of Economics and Development Studies	08	10	17
9.	Department of Environmental and Conservation Sciences	09	21	13
10.	Department of Forensic Sciences	02	01	00
11.	Department of Law & Shari'a	09	05	05
12.	Department of Mathematics and Statistics	16	35	06
13.	Department of Media and Communication Studies	03	03	01
14.	Institute of Agriculture Sciences and Forestry	04	01	00
15.	Institute of Chemical Sciences	18	05	03
16.	Institute of Cultural Heritage Tourism & Hospitality Management	06	06	00
17.	Department of Computer and Software Technology (Shangla Campus)	00	00	01
<b>TOTAL</b>		<b>153</b>	<b>162</b>	<b>102</b>

## 2.3 Books / other material(s)

### Department of Economics and Development Studies

1. Hussain, A. (2019). Water Economy of Pakistan. Water Management in South Asia.
2. Hussain A., Usman Ali and Junaid Alam Memon. (2019). Increasing Ecological Footprint in Pakistan. Handbook of Ecological Footprint, published by Springer

## 2.4 Conferences/Seminars/Symposia and Workshops

### 2.4.1 Papers Presented in Conferences/Seminars (National)

#### Department of Forensic Sciences

1. Naseer Ullah, Dil Nawaz, Muzafar Shah, **Muhammad Israr**, Akhtar Rasool, Mian Syded Khan. Prevalence of Toxoplasma gondii in Human Females in Swat, Pakistan, 39th Pakistan Congress of Zoology, Islamia College Peshawar, March 04 – 06, 2019.
2. Shaukat Khan, Muzafar Shah, Sayed Ahmad Zia, Muhammad Athar Rafi, Akhtar Rasool, Naseer Ullah, Pir Asmat, **Muhammad Israr**. Exploring the Dragonfly Fauna of Swat Valley, Pakistan, 39th Pakistan Congress of Zoology, Islamia College Peshawar, March 04 – 06, 2019.
3. Shafiz Aziz, Answar Ul Haq, Ubaid Ur Rahman, **Muhammad Israr**, Muzafar Shah, Naseer Ullah, Akhtar Rasool. Ichthyofaunal Diversity in the Streams of District Swat, Pakistan, 39th Pakistan Congress of Zoology, *Islamia College Peshawar*, March 04 – 06, 2019.



## **2.4.2 Conferences/Seminars Attended**

### **Centre for Education and Staff Training**

International Conference on Challenges of Education in Pakistan at University of Haripur, Department of Education attended by Dr. Farooq Nawaz Khan (2019).

### **Department of Law & Sharia'**

Attended as resource person and received a certificate of Appreciation in a Seminar on Peace, Tolerance and Non-violence, January 15, 2019, Organized by Basic Education and Employable Skills Training Pakistan (BEST-PAK) and United Nation Development Programme (UNDP)

### 2.4.3 Workshops/trainings Attended

#### Centre for Caucasian, Central Asian, Chinese and Pakistan Studies

Attending two days workshop on strategic vision held on October 12-13, 2019 at Hilton Palace, Swat



#### Centre for Plant Sciences and Biodiversity

Dr. Zahid Ullah attended one day Inception meeting as resource person on **“Medicinal and aromatic plants of Pakistan: well documented, effectively conserved and sustainably used”**. At the Bio-resource Conservation Institute, NARC Islamabad on December 3<sup>rd</sup> 2019.

#### Centre for Management and Commerce

Dr. Muhammad Tariq, Assistant Professor, attended one day NBEAC accreditation workshop at COMSATS Abbotabad Campus in August 19, 2019. The purpose of this workshop was to build capacity of business schools operating in rural areas of Khyber Pakhtunkhwa, Pakistan. Dr. Zahoor (former Vice Chancellor, LUMS) was the Facilitator of this workshop. Salient items of accreditation which included





SAR Reports, criteria of industry linkages, students, faculty, admissions, social responsibility, research and development. Dr. Tariq is associated with NBEAC since 2010 and is member of AGC (Accreditation Guidance Committee) for business schools in Khyber Pakhtunkhwa. He actively participated in the workshop activities in order to represent University of Swat and its allied Centre for Management and Commerce.

### **Department of Economics and Development Studies**

1. Dr Anwar Hussain participated three days Training Workshop on “Applied Econometrics” held on January 4-6, 2019 in the School of Economics, Quaid-i-Azam University, Islamabad.
2. Mr Shahid Ali participated Two days’ Training Workshop on Multi-Market Model held on July 24 – 25, 2019 in Margalla Hotel, Islamabad.

### **Department of English and Foreign Languages**

Dr. Abdul Hamid (Head of Department of English and Foreign Languages) attended one-week consultative workshop of Pakistani ELT Forum, Islamabad as Head of Khyber Pakhtunkhwa Chapter of Pakistan ELT Forum December 09-13, 2019.



## Department of Environmental and Conservational Sciences

The faculty of the department Dr. Kifayatullah Khan participated in the Himalayan University Consortium (HUC) – International Centre for Integrated mountain development (ICIMOD, Regional Training on Spring-shed Management for Socio Ecological Resilience in the Hindu Kush Himalaya from 24 March to 6 April 2019 at Katmandu, Nepal.



## Department of Law & Sharia'

- i. Attended One week Postdoctoral workshop on, “ Editing, Finalization, Presentation, Discussion and Peer Review of the Research”, Islamic Research Institute, International Islamic University Islamabad, 15<sup>th</sup> to 19<sup>th</sup> July, 2019.
- ii. Attended One day workshop on, “Advancing Inclusiveness among Youth through Training and Education”, Islamic Research Institute, International Islamic University Islamabad, 1<sup>st</sup> August, 2019.
- iii. Attended two days workshop on, “Advancing Inclusiveness among Youth through Training and Education”, Islamic Research Institute, International Islamic University Islamabad, 5-6 September, 2019.

## Department of Media and Communication Studies

Selected students of Department of Media & Communication Studies, UoS participated in countrywide training program on “Developing CVE Media Content” in Islamabad. The program was organized by Pakistan Peace Collective Project (PPC), Ministry of Information and Broadcasting, Government of Pakistan in November 2019.





#### 2.4.4 Conference/Seminar organized

##### Centre for Biotechnology and Microbiology

- Organized one day seminar entitled " Genome Re-sequencing: Technology & Applications " on October 16, 2018 at the PTCL hall, University of Swat.
- Organized an awareness seminar entitled " Prevention and control of mosquito-borne diseases " on April 25, 2018 at the PTCL hall, University of Swat.

##### College of Home Sciences

A Seminar on Breast Cancer Awareness was organized by Women Campus & College of Home Sciences in collaboration with Shaukat Khanum Memorial Hospital and Research Center, Lahore on October 22<sup>nd</sup> 2019.



##### Department of Economics and Development Studies

One Day Seminar on The Crisis of Good Governance in Pakistan: A Critical Perspective, organized at Seminar Hall, PTCL Campus, University of Swat on December 04, 2019. The guest Speaker was Dr. Anwar Shah, Quaid-e-Azam University Islamabad



### Department of English and Foreign Languages

Dr. Abdul Hamid (Head of Department of English and Foreign Languages) delivered a talk on linguistics in the first Seminar on Linguistics conducted by Department of English, Government Degree College Gul abad, Chakdara, Dir (Lower) on December 29, 2019.



### Department of Law & Sharia'

Arranged a seminar on the topic "Islamic Law and Human Rights", December, 2019 Guest Speaker: Dr. Abdul Wahab al Rasekh (an Egyptian renowned scholar on Islamic Law)

### Department of Mathematics and Statistics

Organized One Day Seminar: "Introduction to Mathematical Modeling 4<sup>th</sup> November 2019.



### Women Campus

Seminar on Universal Children's Day was held at women Campus on November 20, 2019.





#### 2.4.5 Workshops/trainings organized

##### **Centre for Biotechnology and Microbiology**

Organized one day workshop entitled “ Biosafety and Biosecurity for Scientists ” on November 14, 2017 at the PTCL hall, University of Swat.

##### **Centre for Education and Staff Training**

Organized Research Workshop on “Research in Teacher Education & Emerging Trends” for which the resource person was Professor Dr. Nabi Bux Jumani, Dean Social Sciences, International Islamic University Islamabad, Dated Friday, November 15, 2019 at Centre for Education & Staff Training, University of Swat:



## Department of Forensic Sciences

Two-Day Workshop on National Cohesion (Ulati Taroon), organized by Dr. Muhammad Israr, Incharge, Department of Forensic Sciences in collaboration with Centre for Research and Security Studies (CRSS) Islamabad, on June 21-22, 2019 at Main Hall of the University. Students from different departments of University of Swat as well as University of Malakand participated. Interactive sessions were held by different experts on themes including Importance of Social cohesion and role of youth; respect for fundamental human rights; equality, diversity and tolerance; rule of law; motivation; role of media; democracy, governance & accountability; peacebuilding & conflict resolution approaches.





### **Crime Scene Investigation Hands-on Training was held in July 2019.**

Forensic Science relies solely on the quality of evidence collected from crime scenes. Therefore, it is imperative that students are well versed in the art of crime scene processing. Here, students of BS Forensic Science are working on mock crime scenes set up during the course of crime scene investigation. They are collecting evidence of different kinds from the scenes as well as photographing.



### **Department of English and Foreign Languages**

Department of English and Foreign Languages organized a Two Days Workshop on Corpus Linguistics and Acoustic Phonetics on July 08-09, 2019 in Conference Hall, PTCL Campus, University of Swat, Kanju Township, Sector-C, Swat.



## **Department of Media and Communication Studies**

### **i. Workshop on Mojo (Mobile Journalism)**

Department of Media & Communication Studies, University of Swat held a workshop on Mojo (Mobile Journalism) to impart technical skills to students of the department. The Department in collaboration with Media Training Institute (Media House) Islamabad organized the activity at Sangota Campus of the university. The selected students of department were trained to meet with the challenges in the field of journalism while using new technologies.

### **ii. Workshop on Using Social Media to Promote Social Cohesion**

The Department of M&CS, University of Swat in collaboration with Social Action Project organized one-day workshop on the topic "Using Social Media to Promote Social Cohesion". The workshop was aimed highlighting the role of social media in promotion of unity in society.



### **iii. Workshop on Storytelling**

The Department of Media & Communication Studies, University of Swat held a workshop on storytelling, which was aimed at imparting skills of story development to students of Media & Communication Studies, University of Swat.

Mr. Mahboob Ali, lecturer at the department of M&CS, was key speaker at the occasion while In-Charge of the department Mr. Jamal Ud Din, and lecturer Mr. Rafi Ullah also highlighted different skills of storytelling.



## Department of Psychological Studies

Two days awareness seminar and training workshops on Learning Disabilities, Autism and ADHD, organized by Department of Psychological Studies, University of Swat on 19<sup>th</sup> – 20<sup>th</sup> June, 2019. This program was organized in collaboration with Autism Spectrum Disorders Welfare Trust (ASDWT), Lahore.

Dr. Salma Khalil (Vice Chairperson, ASDWT), Ms. Farah Amanat (Senior Clinical Psychologist) and Mr. Ahmar Sultan (IT Expert) were the Guest Speakers on this occasion and they delivered thought provoking lectures. They informed the audience that 15% population is fighting with mental health issues and various disabilities.

The Vice Chancellor, Prof. Dr. Muhammad Jamal Khan graced the occasion as a Chief Guest. He said that we need to make collective efforts for helping the 15% population suffering from severe psychological problems. He further added that full-fledged “Psychotherapy Center”, “Speech Therapy Unit” and “Assessment and Counseling Center” will be established in New Campus, Charbagh.



## Department of Social and Gender Studies

S. No	Title	Venue	Date	Conducted By
1.	Strategic Time Workshop	Ziaqa Restaurant, Suthan Tower, Swat	August 31- Sept. 01, 2019	Dr. Abdullah
2.	Talk on Strategic Planning	Ziaqa Restaurant, Suthan Tower, Swat	September 22, 2019	Dr. Abdullah
3.	Strategic Visions Workshop	Hilton Palace Hotel Swat	October 12-13, 2019	Dr. Abdullah





## 2.4.6 International Conference / Seminars / workshops / trainings attended

### Centre for Management and Commerce

Dr. Hazrat Bilal, Assistant Professor, Participated in 4<sup>th</sup> Abasyn University International Conference (2019)



### Department of Mathematics and Statistics (details of below required)

1) CIMPA Research School, Mathematical Biology, 17-27<sup>th</sup> June 2019, Kathmandu, Nepal



Figure 4: Group photo in CIMPA School, Mathematical Biology Kathmandu, Nepal July 2019

- 2) CIMPA Research School, Stochastic Analysis and Applications, 1-9 March 2019, Saida, Algeria.



Figure 5: Group Photo CIMAP School participant, Algeria March 2019



Figure 6: Dr. Ghaus ur Rahman with Prof. Giulia di Nunno (University of Oslo, Norway)



## 2.4.7 Papers presented in International Conference

### Department of Forensic Sciences

1. Akhtar Rasool, **Muhammad Israr**, Muzafar Shah, Naseer Ullah, Fazal Akbar, Shafiq Aziz. Diversity of Fishes in the Tributaries of River Swat, 1<sup>st</sup> International Conference on Recent Updates in Biotechnology 2019, *Abdul Wali Khan University Mardan*, October 16-18, 2019.
2. Subhanuddin, Noorullah Khan, Muzafar Shah, Akhtar Rasool, **Muhammad Israr**. Fingerprint Comparison of Siblings and Non-siblings, 3rd International Conference “Empowering Nation through Sciences” Women University Mardan, April 24-25, 2019.
3. Adil Shah, Romana Bibi, Naseer Ullah, Akhtar Rasool, **Muhammad Israr**. Fingerprint Comparison of Identical and Non-identical Twins, 3rd International Conference “Empowering Nation through Sciences” Women University Mardan, April 24-25, 2019.
4. Sidra Shehzadi, Uzma Qasim, Naseer Ullah, Muzafar Shah, Akhtar Rasool, **Muhammad Israr**. Incidence of Thyroid Cancer in Swat, 3rd International Conference “Empowering Nation through Sciences” Women University Mardan, April 24-25, 2019.
5. Haya Gul, **Muhammad Israr**, Akhtar Rasool, Muzafar Shah. Diversity of Butterfly Fauna in Valley Sharbatai District Bajaur, 3rd International Conference “Empowering Nation through Sciences” Women University Mardan, April 24-25, 2019.
6. Akhtar Rasool, Shafiq Aziz, **Muhammad Israr**, Naseer Ullah, Muzafar Shah. Economic Losses due to Fish Diseases, 3rd International Conference “Empowering Nation through Sciences” Women University Mardan, April 24-25, 2019.

## 2.5 Research Collaboration and Memoranda of Understanding (MoUs)

The University of Swat pays due attention to the importance of forming linkages with other institutions on the level of professional cooperation, students and teachers exchange programmes and sharing of expertise for mutual growth and benefit. In the modern globalized world no institution can flourish without having a strong network of linkages. During the year 2019, University of Swat have established linkages with national and international organizations as follows:

### Centre for Biotechnology and Microbiology

- Developed collaboration with Professor Dr. Hanu Pappu, Department of Plant Pathology, Washington State University, Pullman, WA 99164-6430, USA.
- Developed collaboration with Dr. Imran Amin, Principal Scientist, National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan.

### Department of Environmental and Conservational Sciences

#### Collaboration at International Level with

- Research Centre for Eco-Environmental Sciences (RCEES), Chines Academy of Sciences (CAS), Beijing, China. <http://english.rcees.cas.cn/>
- College of Environment Science & Engineering, Beijing Forestry University (BJFU), Beijing, China. <http://eng.bjfu.edu.cn/>
- School of Environment, Beijing Normal University, Beijing, China. <http://english.bnu.edu.cn/>
- College of Environmental & Resource Sciences (CERS), Zhejiang University, Hangzhou, Zhejiang 310058, P. R. China. <http://www.cers.zju.edu.cn/english/>
- Federal University of Santa Maria (UFSM)-Av, Roraima, 1000, 97105-900, Santa Maria-RS, Brazil. <http://www.ct.ufsm.br/>

#### Collaboration at National Level with

- Nuclear Institute of Food and Agriculture (NIFA), Peshawar, Pakistan. <http://www.nifa.org.pk/>
- Department of Environmental Sciences, University of Peshawar, Peshawar, Pakistan. <http://www.upesh.edu.pk/academics/faculties/departments/?q=20&sid=28>
- Department of Environmental Sciences, Abdul Wali Khan University, Mardan, Pakistan. [https://www.awkum.edu.pk/Departments/All\\_Departments/Environmental\\_Sciences.html](https://www.awkum.edu.pk/Departments/All_Departments/Environmental_Sciences.html)
- Earth and Environmental Sciences, Bahria University, Islamabad, Pakistan. <http://www.bahria.edu.pk/buic/ees/earth-environmental-sciences/>
- Pakistan Forest Institute (P.F.I), Peshawar, Pakistan. <http://pfi.gov.pk/>

## **DORIC**

### **MoUs Signed**

1. MoU signed with IdeaGist Pakistan for Kamyab Jawan Startup Pakistan Program
2. MoU signed with Lahore University of Management Sciences (LUMS) for KP Impact Challenge Program
3. MoU signed with Pakistan Agriculture Research Council (PARC) for Research & Academic Collaboration

### **Institute of Chemical Sciences**

- Dr. Ihsan Ullah and ICS-UoS is in collaboration with Department of Chemistry, QAU-Islamabad for performing research at various Labs.
- Dr. M. Omer and ICS-UoS is in collaboration with Centralized Resource Laboratory, CRL University of Peshawar for performing research at various Labs.
- Dr. Adnan and ICS-UoS is in collaboration with Department of Chemistry, University of Peshawar for performing research at various Labs.
- Dr. Adnan Shahzad and ICS-UoS is in collaboration with Department of Chemistry, University of Malakand for performing research at various Labs.
- Dr. Sohail and ICS-UoS is in collaboration with National Center of Excellence in Physical Chemistry, University of Peshawar for performing research at various Labs.
- Dr. Kiramat Shah and ICS-UoS is in collaboration with HEJ research institute, University of Karachi for performing research at various Labs.
- Dr. Mian Gul Sayed and ICS-UoS is in collaboration with Department of Chemistry, University of Malakand for performing research at various Labs.

### **Institute of Cultural Heritage, Tourism and Hospitality Management**

- The institute has research collaboration with Italian Archaeological Mission and Directorate of Archaeology and Museums.
- As part of Industrial Link initiative, the students of Institute of Cultural Heritage Tourism and Hospitality Management, University of Swat have visited Marriott Hotel Islamabad and Archaeological Sites of Taxila on 23<sup>rd</sup> and 24<sup>th</sup> November 2019. Faculty members including Mr. Farhad Nazir and Dr. Zarawar Khan accompanied the students during the visit. The Human Resource Department and Training Department of Marriott Hotel arranged training and orientation session for the students of ICHTHM. Mr. Rashid (Training Manager) and Ms. Sabeen Aslam (Human Resource Manager) presented in the session and appreciated the role of ICHTHM in academically preparing the graduates to progress in the hospitality industry. They also invited the students to compete for internship and job positions at Marriott Hotel Islamabad.



## 2.6 Research Students Produced

### Department of Economics and Development Studies

#### PhD Students Supervised

S. No	Student	Degree level	Title of Thesis	Year
1.	Muhammad Khan (Co-supervised)	PhD in Urban Planning (Univ. of Peshawar)	An Analysis of Households' Demand For Improved Water and Sanitation Services Towards Better Planning in Peshawar, Khyber Pakhtunkhwa	2019

#### MPhil Students Supervised

S.No	Student	Degree level	Title of Thesis	Year
1.	Ghania Inam	MPhil Environmental Economics	Consumer Preference For Ecolabel Fish: A Case Study Of Islamabad	2019
2.	Muhammad Rafi Taqi	MPhil Environmental Economics	Fisheries' Resources In River Swat, Khyber Pakhtunkhwa: Influencing Factors And Institutional Arrangements	2019
3.	Muhammad Ashfaq	MPhil Environmental Economics	Agriculture Policies and Cropping Pattern in Punjab Province of Pakistan: Issues of Water and Environment	2019
4.	Sumera Jalil	MPhil Environmental Economics	Groundwater rights and water scarcity: Evidence from Selected Sectors of Islamabad	2019



## Quality Assurance



*...is everyone's  
responsibility.*

(Deming, W. Edward)



"Quality is never an accident, it is always the result of intelligent effort"

John Ruskin



## Quality Enhancement Cell

Higher education plays a pivotal role in building of human capital of the country. Skilled human capital in turn plays a significant role in the economic development. Universities are seats of higher learning, where there is a significant importance on quality. Therefore, the Higher Education Commission (HEC), Pakistan has been emphasizing the importance of higher education through establishing and implementing Quality Enhancement Cells (QECs) in public and private sector universities of the country to ensure the provision of quality education. Subsequently the QEC was established at University of Swat in the year 2013 and achieved many milestones in the given resources to impart quality in to students' learning process

### 3.1 Impact of quality assurance in the University

The QEC has worked in collaboration with faculty members through their active involvement in quality assurance processes in an environment of team work. This is how maximum faculty in the departments have played their role in imparting quality to their teaching practices aimed towards enhancing students' learning. In the meantime, an awareness about quality in academics at international level was also developed in terms of accreditation councils, departmental growth, students learning, research ethics etc. Similarly, all the MPhil and PhD programs were initiated after obtaining NOC from Higher Education Commission Islamabad

### 3.2 QEC Meetings and Workshops

QEC has arranged various workshops seminars and awareness session on different aspects of university for the faculty, administration, Program Teams and Assessment Teams. The details are as follow;

#### 3.2.1 Orientation Session on Strategies for Reshaping Higher Education

Orientation Session organized by Quality Enhancement Cell, UoS on Strategies for Reshaping Higher Education in Pakistan, was held at Committee Room, University of Swat on March 12, 2019. Professor Dr. Iftikhar Ahmad, Vice Chancellor, University of Science and Technology, Abbottabad was the keynote speaker.



### 3.2.2 3<sup>rd</sup> One day Seminar on Self Assessment Report (SAR) Writing

One day seminar organized by the QEC to be held on 20<sup>th</sup> June 2019 at Committee Room UoS



### 3.2.3 Seminar on Quality Assurance-Governance Procedures

One day seminar on Quality Assurance-Governance Procedures on September 18, 2019 at Committee Room, UoS. Prof. Dr. Shafiq Ur Rehman grace the occasion for matter pertaining to quality assurance and governance. The aim was to strengthen the quality assurance mechanism in the field of Higher Education across Khyber Pakhtunkhwa in order to deliver better quality of Education to the students of the province.





### 3.2.4 Session on Improvement of Higher Education

Discussion session organized by QEC on Improvement of Higher Education was held at Conference Hall, PTCL Campus, University of Swat on October 9, 2019. Secretary HED, Khyber Pakhtunkhwa graced the occasion as Chief Guest.



### 3.2.5 Seminar on “M.Phil and Ph.D Review process”

Seminar on M.Phil and PhD Review process with Heads of different departments and advance studies at Committee Room University of Swat



### 3.2.6 Awareness session on IPE



Awareness session on IPE at Committee Room University of Swat

### 3.2.7 Attended International Conference on Promoting Higher Education Quality through Policies, Standards and Practices



International Conference on “Promoting Higher Education Quality through Policies, Standards and Practices” 4-5 December, 2019 at Serena Hotel Islamabad, Pakistan

HEC organized an International Conference in collaboration with the United States Education Foundation Pakistan (USEFP) and Council for Higher Education Accreditation (CHEA), USA at Islamabad Serena Hotel on December 4-5, 2019. The conference, first of its kind in Pakistan attracted distinguished higher education professionals from across the world with over 300 local delegates. The conference aim was at improving existing state of quality at the Higher Education Institutions (HEIs) through advancing understanding of international quality assurance standards and bringing together international organizations and countries at one platform. The conference helped to explore and review the local contextual issues and find solutions for attaining international quality standards. The President CHEA, Dr. Judith Eaton and President INQAAHE, Dr. Susanna Karakhanyan were amongst the key Speakers along with other experts of Higher Education quality from across the globe.

The conference will have six exclusive sessions on:

- i. Quality Assurance systems and policies
- ii. Role of training in Quality Assurance
- iii. Quality Assurance in teaching excellence
- iv. Quality Assurance in research excellence
- v. Role of accreditation processes and significance
- vi. Ranking systems and performance.



### 3.2.8 Accreditation of Programmes from Relevant Councils

Quality Enhancement Cell, University of Swat, successfully accredited and registered the following degree programs in different departments of University of Swat:

#### (1) Department of Computer & Software Technology.

- i. BS Software Engineering.
- ii. BS Information Technologies.
- iii. BS Computer Science.

**From National Computing Education Accreditation Council (NCEAC)**

#### (2) Centre for Education & Staff Training, UoS.

- i. BS Education.

**From National Council for Teacher Education (NACTE)**

#### (3) Institute for Agriculture Sciences & Forestry.

- i. BS Forestry

**From National Agriculture Education Accreditation Council (NAEC)**

#### (4) Department of Law & Sharia, UoS.

- i. Bachelor of LLB (05) years.

**From Pakistan Bar Council**

#### (5) Centre for Management Sciences & Commerce.

- i. (Registered and Accreditation is in progress from National Business Education Accreditation Council **NBEAC**).



**Figure 7: PhD Scholars busy in their Research in Lab**

## Faculty Development Programme and Overseas PhD Scholarships

In order to provide highly qualified faculty to develop the faculty of University of Swat, scholarships were approved. These scholarships were divided into two components, Federal (HEC) and Provincial (HED), thus 15 scholarships were approved under HEC category while 01 scholar has already been sent under the HED component also eight overseas scholarships have been approved for the establishment of women sub campus. After a series of meetings by the scholarship management committee, a total of 481 applications were evaluated out of which 119 candidates were called for interview in September 2018 for the University of Swat and 28 candidates were called under the project "Establishment of women sub campus of Swat University in Mingora".

### 3.3 Scholarship for Faculty Development

Total 08 FDP/PhD Overseas Scholars placed at foreign Universities out of which one Scholar is selected for Women Campus. Details are under.

### 3.4 Faculty Development Programs

#### 3.4.1 Faculty availing PhD (Establishment of University of Swat, Phase I) and Establishment of Women Sub Campus, UoS

S No	Name	Subject	University	Country	Remarks
1	Naveed Ahmad	Pharmacy	Kings College London	UK	Scholar on ZERO Financial Liability on the Project
2	Jawad Mohammad	Economics	University of Leicester	UK	First Semester Completed
3	Sohail Nisar	Computer Science	UNIVERSITAT PADERBORN (Die Universität der Informationsgesellschaft)	Germany	First Semester is in progress
4	Lubna Faizullah	Botany	QMUL	UK	First Semester is in progress
5	Ajmal Khan	Zoology	KU LEUVEN BELGIUM	Belgium	First Semester is in progress
6	Iftikhar Ahmed	Mathematics	QMUL	UK	First Semester is in progress
7	Mr. Usman Ali	Computer Science	University of Malaya	Malasiya	First Semester is in progress
8	Mr. Gulzar Ahmad	Political Science	Not Known yet	Germany	In Progress of completion of Codal formalities
9	Ms. Aqsa Bashir	Zoology (Women Campus)	Not Known yet	Germany	Women Campus Scholar and Not Joined the University yet



## Access



# ENROLLMENT GROWTH UNIVERSITY

"Focus on improving the student experience".

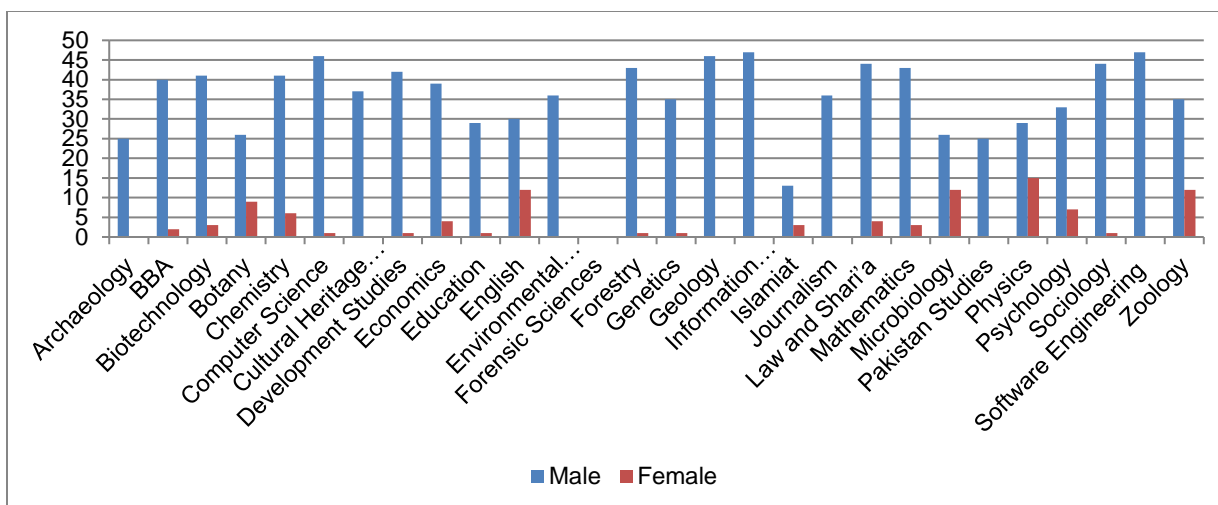
Provost Michael Kotlikoff

## 4.1 Intake of BS Students during the Year 2018 and 2019

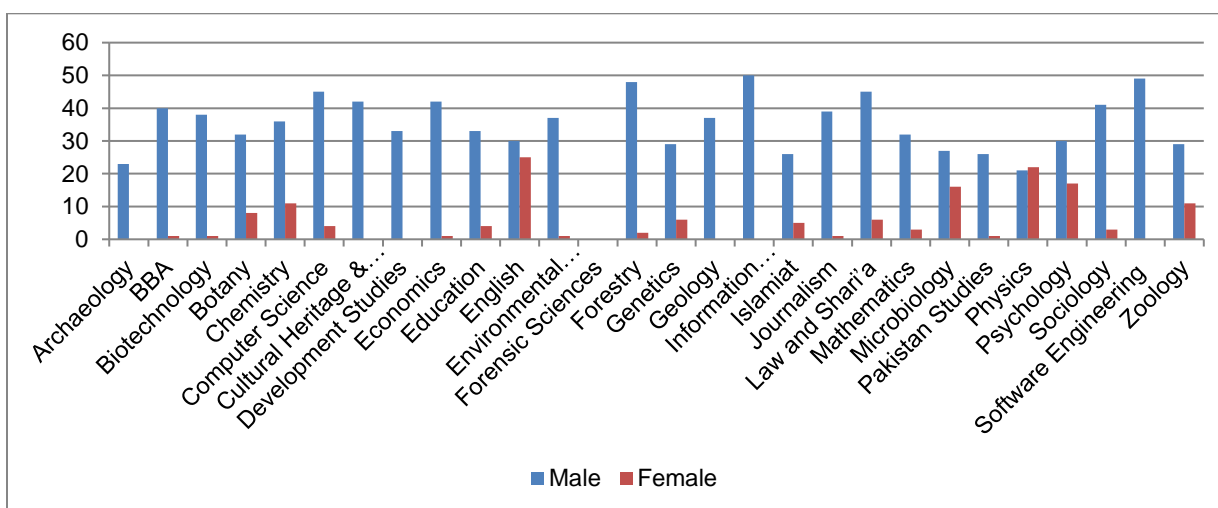
Table 3: BS Students Enrolled 2018 and 2019

Departments	2018-19			2019-20		
	Male	Female	Total	Male	Female	Total
Archaeology	25	00	25	23	00	23
BBA	40	02	42	40	01	41
Biotechnology	41	03	44	38	01	39
Botany	26	09	35	32	08	40
Chemistry	41	06	47	36	11	47
Computer Science	46	01	47	45	04	49
Cultural Heritage and Tourism Management	37	00	37	42	00	42
Development Studies	42	01	43	33	00	33
Economics	39	04	43	42	01	43
Education	29	01	30	33	04	37
English	30	12	42	30	25	55
Environmental Sciences	36	00	36	37	01	38
Forensic Sciences	00	00	00	00	00	00
Forestry	43	01	44	48	02	50
Genetics	35	01	36	29	06	35
Geology	46	00	46	37	00	37
Information Technology	47	00	47	50	00	50
Islamiat	13	03	16	26	05	31
Journalism	36	00	36	39	01	40
Law and Shari'a	44	04	48	45	06	51
Mathematics	43	03	46	32	03	35
Microbiology	26	12	38	27	16	43
Pakistan Studies	25	00	25	26	01	27
Physics	29	15	44	21	22	43
Psychology	33	07	40	30	17	47
Sociology	44	01	45	41	03	44
Software Engineering	47	00	47	49	00	49
Zoology	35	12	47	29	11	40
<b>Total</b>	<b>978</b>	<b>98</b>	<b>1076</b>	<b>960</b>	<b>149</b>	<b>1109</b>





**Figure 8: Graphical representation of intake of BS students 2018**



**Figure 9: Graphical representation of intake of BS students 2019**

## 4.2 Intake of M.A/MSc Students 2018 and 2019

Table 4: M.A/M.Sc Students enrolled 2018 and 2019

Departments	2018-19			2019-20		
	Male	Female	Total	Male	Female	Total
Botany	57	27	84	18	22	40
Chemistry	17	30	47	14	23	37
Environmental Science	30	06	36	00	00	00
Islamiat	11	04	15	00	00	00
Journalism	13	02	15	09	01	10
Mathematics	41	04	45	27	01	28
MBA (1.5 Years)	33	01	34	00	00	00
MCS	42	00	42	00	00	00
Microbiology	68	17	85	36	09	45
Pakistan Studies	19	13	32	13	07	20
Physics	39	03	42	00	00	00
Psychology	09	26	35	21	09	30
Sociology	00	00	00	00	00	00
Zoology	47	41	88	18	28	46
<b>Total</b>	<b>426</b>	<b>174</b>	<b>600</b>	<b>156</b>	<b>100</b>	<b>256</b>

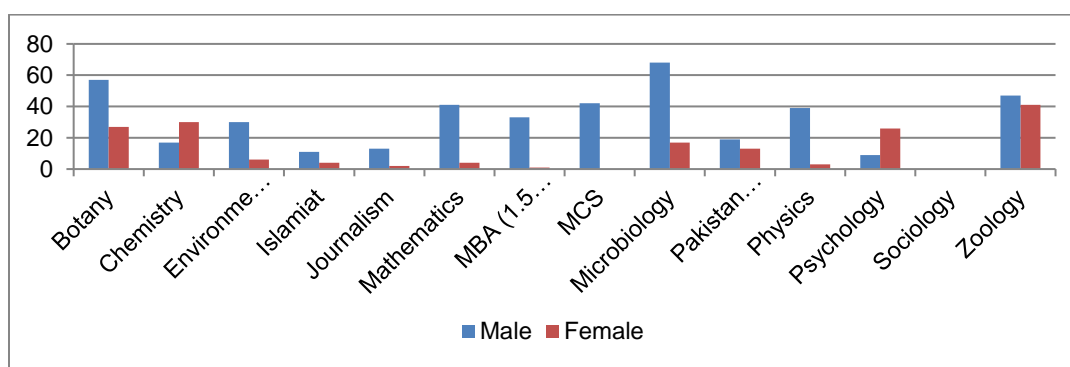


Figure 10: Graphical Representation of Intake of M.A/M.Sc Students 2018-19

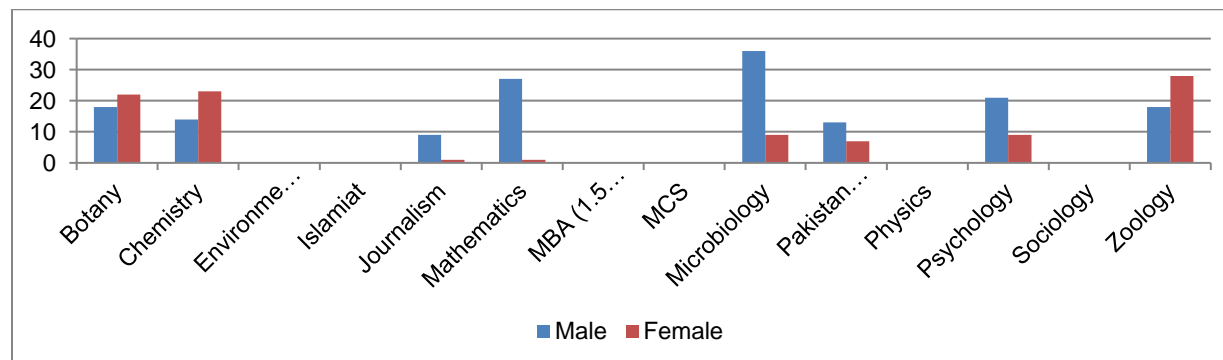


Figure 11: Graphical Representation of Intake of M.A/M.Sc Students 2019-20

### 4.3 Batch wise Strength of Students in BS Programme (2015 to 2019)

Table 5: Batch wise Strength of Students in BS (2015 to 2019)

Departments	2015-19	2016-20	2017-21	2018-22	2019-23	Total
Archaeology	----	----	----	25	23	48
BBA	28	40	40	42	41	191
Biotechnology	39	40	33	44	39	195
Botany	20	40	35	35	40	170
Chemistry	16	39	37	47	47	186
Computer Science	40	40	41	47	49	217
Cultural Heritage & Tourism Mgt	0	39	32	37	42	150
Development Studies	0	39	21	43	33	136
Economics	0	38	35	43	43	159
Education	10	37	21	30	37	135
English	39	40	48	42	55	224
Environmental Sciences	15	39	36	36	38	164
Forensic Sciences	00	00	28	00	00	28
Forestry	29	40	40	44	50	203
Genetics	0	40	21	36	35	132
Geology	40	40	37	46	37	200
Information Technology	27	40	41	47	50	205
Islamiat	----	----	----	16	31	47
Journalism	17	40	40	36	40	173
Law and Shari'a	29	40	48	48	51	216
Mathematics	0	40	32	46	35	153
Microbiology	39	40	38	38	43	198
Pakistan Studies	----	----	----	25	27	52
Physics	33	39	42	44	43	201
Psychology	28	40	40	40	47	195
Sociology	0	34	27	45	44	150
Software Engineering	41	40	42	47	49	219
Zoology	40	40	40	47	40	207
<b>Total</b>	<b>530</b>	<b>944</b>	<b>895</b>	<b>1076</b>	<b>1109</b>	<b>4554</b>

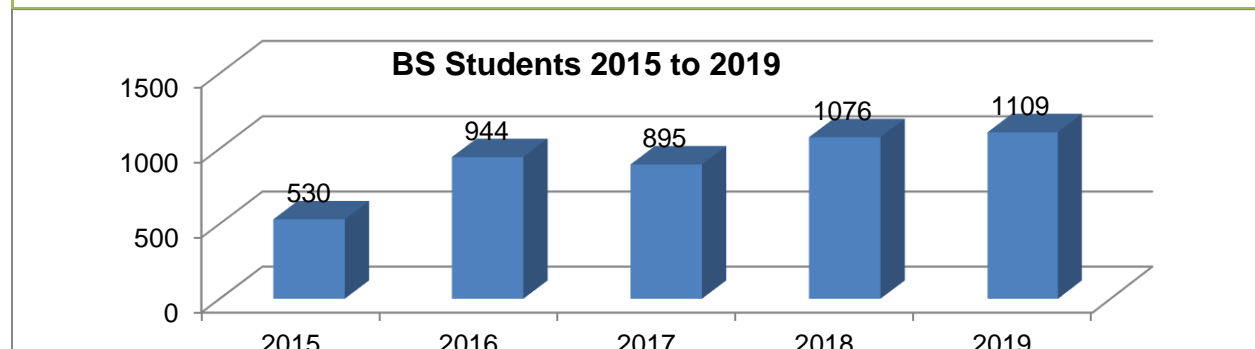


Figure 12: Graphical Representation Batch wise Strength of Students in BS (2015 to 2019)

#### 4.4 Batch wise Strength of Students in Master Programme (2017 to 2019)

Table 6: Batch wise Strength of Students in Master (2017 to 2019)

Departments	2017-18	2018-19	2019-20	Total
Botany	40	84	40	164
Chemistry	43	47	37	127
Computer Science	40	42	00	82
Environmental Science	33	36	00	69
Islamiat	15	15	00	30
Journalism	00	15	10	25
Mathematics	30	45	28	103
MBA (1.5 Years)	32	34	00	66
Microbiology	40	85	45	170
Pakistan Studies	00	32	20	52
Physics	38	42	00	80
Psychology	40	35	30	105
Sociology	16	00	00	16
Zoology	45	88	46	179
<b>Total</b>	<b>412</b>	<b>600</b>	<b>256</b>	<b>1268</b>

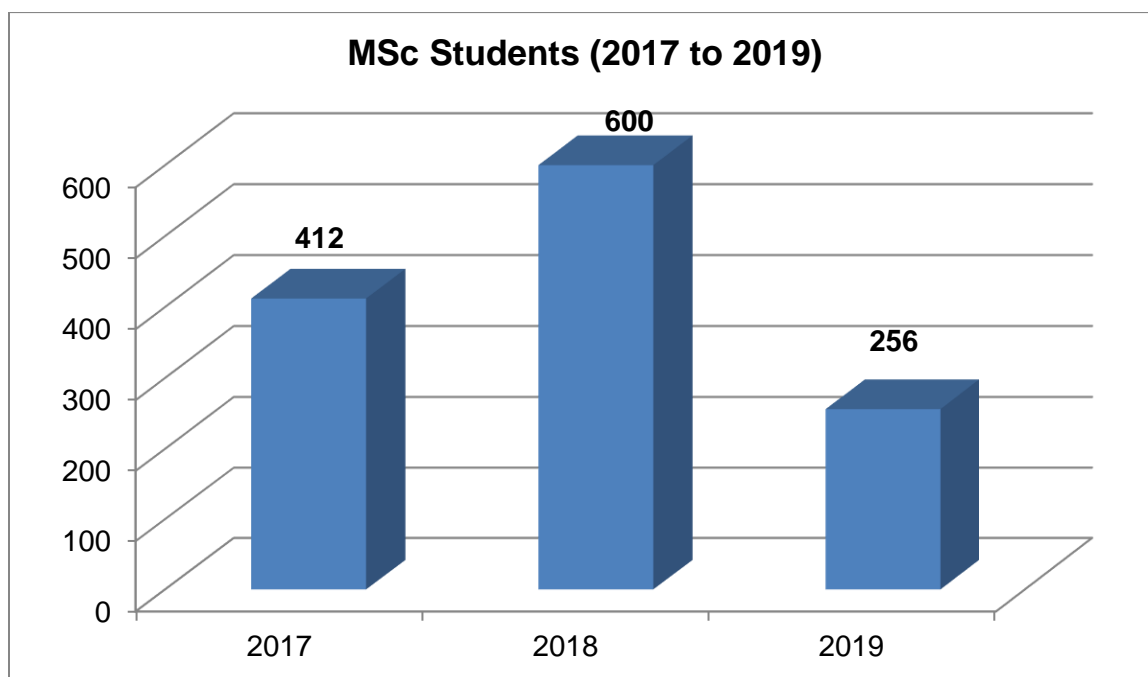


Figure 13: Batch wise Strength of Students in M.A/M.Sc (2017-2019)



#### 4.5 Batch wise Strength of Students in MPhil/MS Programme (2017 - 2019)

Table 7: Batch wise Strength of Students in MPhil/MS (2017 to 2019)

Departments	2017-19	2018-20	2019-21	Total
Biotechnology	00	10	00	10
Botany	00	15	26	41
Computer Science	00	09	06	15
Education	00	00	16	16
Islamiat	00	00	15	15
MBA (1.5 Years)	35	34	00	69
Microbiology	00	14	00	14
<b>Total</b>	<b>35</b>	<b>82</b>	<b>63</b>	<b>180</b>

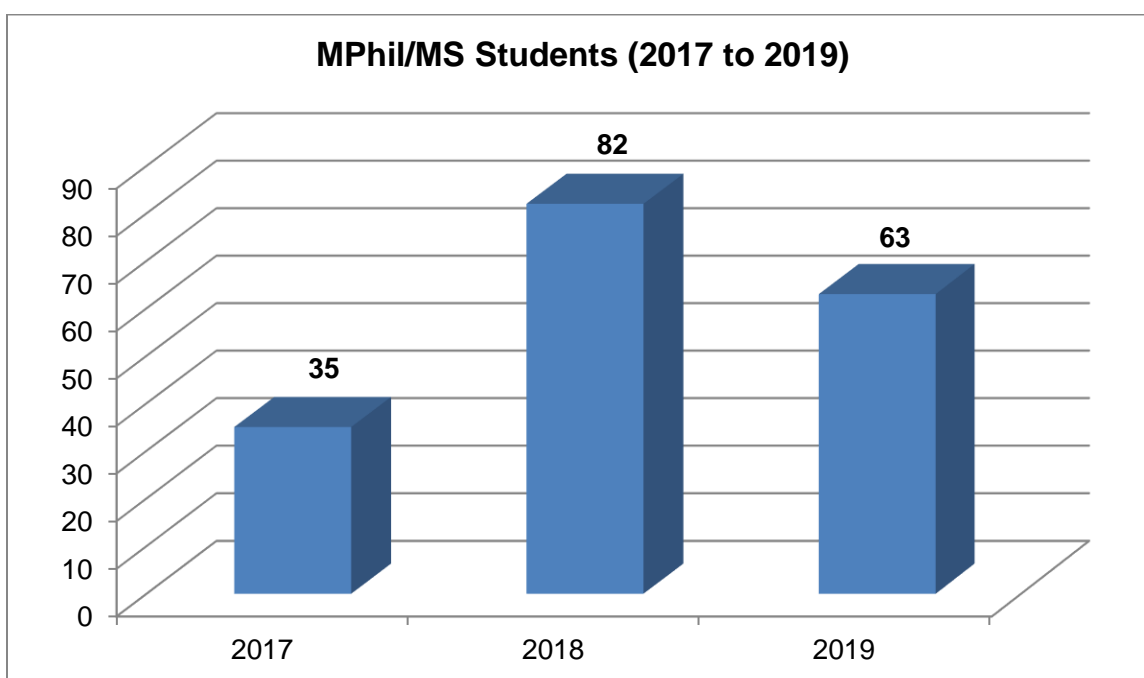


Figure 14: Batch wise Strength of Students in MPhil/MS (2015-2018)

#### 4.6 Batch wise Strength of Students in PhD Programme (2013 to 2019)

Table 8: Batch wise Strength of Students in PhD (2013 to 2019)

Departments	2013	2014	2015	2016	2017	2018	2019	Total
Botany	02	00	00	00	00	08	05	15
Computer Science	00	00	00	00	00	00	14	14
<b>Total</b>	<b>02</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>08</b>	<b>19</b>	<b>29</b>

## 4.7 Total strength of Students in BS, Master, MS, PhD

Table 9: Total Students Strength till 2019

Total Students Strength till 2019				
S. No	Programme	Male	Female	Total
1	BS	4104	450	4554
2	Master	877	391	1268
3	MS / MPhil	150	30	180
4	PhD	27	02	29
Total		5158	873	6031

## 4.8 Students' Scholarships

University of Swat accords due importance to the fact that there are many deserving and talented students in the community who do not get a chance to realize their full academic and career potential in life due to lack of financial resources to afford higher education institutions. University of Swat awards various scholarships to these students in order to help them achieve their future dreams.

### 4.8.1 Pakistan Bait-ul-Mal scholarship



MoU signing by MD Pakistan Bait-ul-Mal and VC, University of Swat on June 19, 2019

#### 4.8.2 University of Swat Merit Based Scholarships

Directorate of University Advancement and Financial Aid disbursed 8.032 million scholarships amount among the 1065 brilliant and intelligent Students of the University.



Merit Scholarship Distribution Ceremony on December 12, 2019.



A group photo at ceremony of distributing Merit Scholarship

#### 4.8.3 HEC Need Based Scholarship for the session 2017-21 and 2018-22

Directorate of University Advancement and Financial Aid have selected the most deserving 42 students from the University of Swat for the session 2017-21 & 2018-22. These selected students will be provided Rs. 60,000/- stipend and reimbursement of tuition fee.

#### **4.9 Employability / Internship and Placement Office**

Office of QEC under the guidance of the Vice Chancellor is in process of establishing a Career Development Center at University of Swat. This center will be the key in the networking of industry with the University graduates for the purpose of their career development.

##### **Centre for Management and Commerce**

Students of BBA final year participated in Job Fair held at University of Malakand



##### **Institute of Cultural Heritage, Tourism and Hospitality Management**

The graduates of this institute are regularly hired by Swat Serena Hotel as trainees. On the base of good performance, the students are also offered for permanent job positions. Mr.Sanaullah, student of B.S CHTM (Session 2014-2018) is working as “Reservation Manager” at Swat Serena. Till now fifteen students are offered internship in this hotel.



#### 4.10 Gender Wise Detail

##### BS programme: Male/Female students

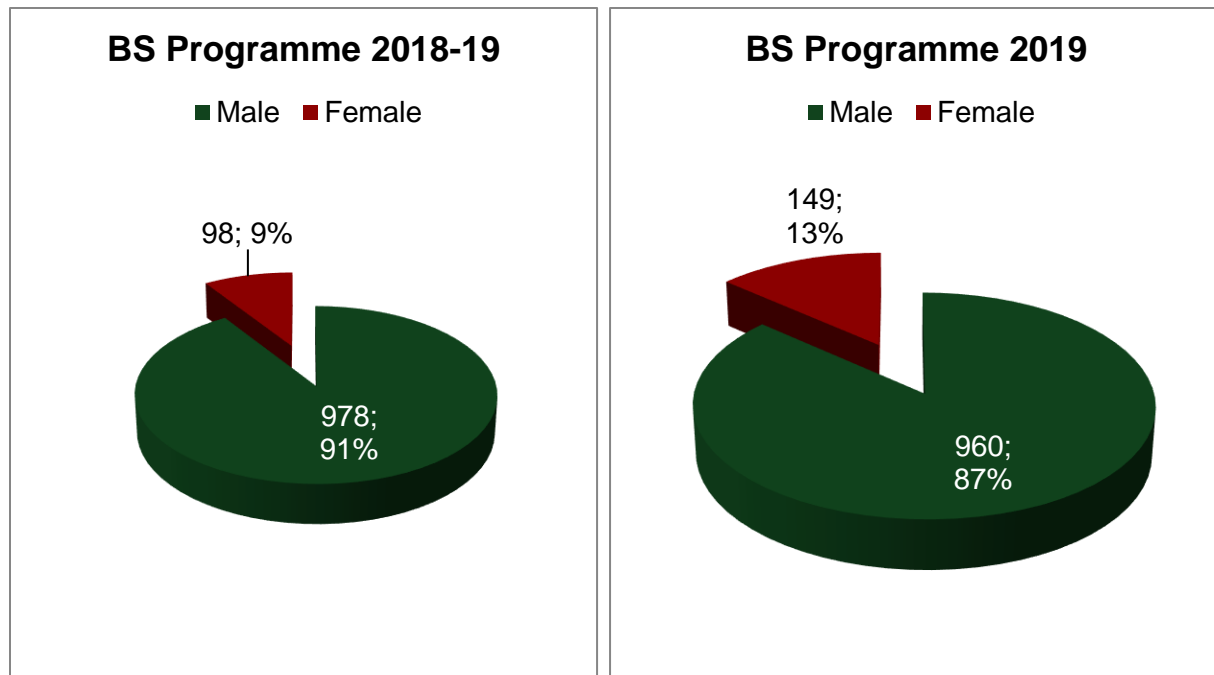


Figure 15: Male / Female Ratio in BS Admissions 2018 and 2019

##### Master Programme: Male/Female Students

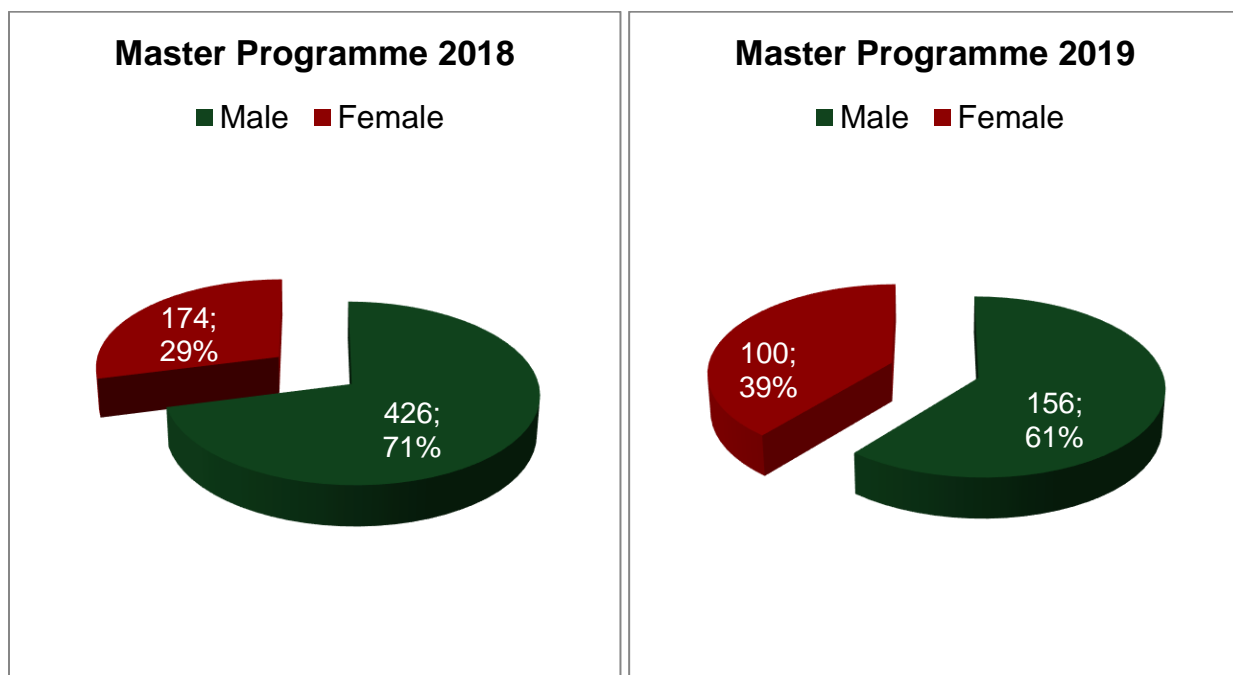


Figure 16: Male / Female Ratio in Master Admissions 2018 and 2019

## 4.11 Faculty Student Ratio

**Table 10: Faculty Student Ratio at Academic Departments of University of Swat**

S No	Centre/Department/Institute	Students	Faculty	Ratio
1.	Centre for Animal Sciences and Fisheries	386	04	97:1
2.	Centre for Biotechnology and Microbiology	719	15	48:1
3.	Center for Chinese, Caucasian, Central Asian and Pakistan Studies	104	01	104:1
4.	Centre for Earth and Space Sciences	200	01	200:1
5.	Centre for Education and Staff Training	151	05	30:1
6.	Centre for Management and Commerce	326	06	54:1
7.	Centre for Plant Sciences and Biodiversity	390	07	56:1
8.	College of Home Sciences	00	00	0:1
9.	Department of Applied Physical and Material Sciences	281	03	94:1
10.	Department of Computer and Software Technology	752	07	107:1
11.	Department of Economics and Development Studies	295	07	42:1
12.	Department of English & Foreign Languages	224	04	56:1
13.	Department of Environmental and Conservation Sciences	233	05	47:1
14.	Department of Forensic Sciences	28	01	28:1
15.	Department of Islamic and Arabic Studies	92	05	18:1
16.	Department of Law and Shariah	216	06	36:1
17.	Department of Mathematics & Statistics	256	07	37:1
18.	Department of Media and Communication Studies	198	03	66:1
19.	Department of Psychological Studies	300	02	150:1
20.	Department of Social and Gender Studies	166	03	55:1
21.	Institute of Agricultural Sciences and Forestry	203	01	203:1
22.	Institute of Chemical Sciences	313	03	104:1
23.	Institute of Cultural Heritage, Tourism and Hospitality Management (ICHTHM)	198	02	99:1
<b>Total</b>		<b>6031</b>	<b>98</b>	<b>62:1</b>

## 4.12 Teaching Staff in all Academic Units of the University till 2019

Table 11: Teaching Staff in all Academic Units of the University till December 2019

S. No	Department / Section	Ph.D	M.Phil/ MS	Master	Male	Female	Total
1.	Centre for Animal Sciences and Fisheries	02	00	02	02	02	04
2.	Centre for Biotechnology & Microbiology	12	01	02	14	01	15
3.	Center for Chinese, Caucasian, Central Asian and Pakistan Studies	01	00	00	01	00	01
4.	Centre for Earth and Space Sciences	01	00	00	01	00	01
5.	Centre for Education & Staff Training	04	01	00	04	01	05
6.	Centre for Management & Commerce	02	04	00	05	01	06
7.	Centre for Plant Sciences & Biodiversity	06	01	00	05	02	07
8.	College of Home Sciences	00	00	00	00	00	00
9.	Department of Applied Physical and Material Sciences	03	00	00	03	00	03
10.	Department of Computer & Software Technology	03	04	00	07	00	07
11.	Department of Economics and Development Studies	03	04	00	07	00	07
12.	Department of English & Foreign Languages	01	02	01	04	00	04
13.	Department of Environmental and Conservation Sciences	02	03	00	04	01	05
14.	Department of Forensic Studies	01	00	00	01	00	01
15.	Department of Islamic and Arabic Studies	03	02	00	04	01	05
16.	Department of Law & Shariah	01	00	05	04	02	06
17.	Department of Mathematics & Statistics	04	03	00	06	01	07
18.	Department of Media and Communication Studies	00	03	00	03	00	03
19.	Department of Psychological Studies	00	01	01	01	01	02
20.	Department of Social and Gender Studies	01	02	00	03	00	03
21.	Institute of Agricultural Sciences and Forestry	00	00	01	01	00	01
22.	Institute of Chemical Sciences	03	00	00	03	00	03
23.	Institute of Cultural Heritage, Tourism & Hospitality Management	00	02	00	02	00	02
<b>Grand Total</b>		<b>53</b>	<b>33</b>	<b>12</b>	<b>85</b>	<b>13</b>	<b>98</b>

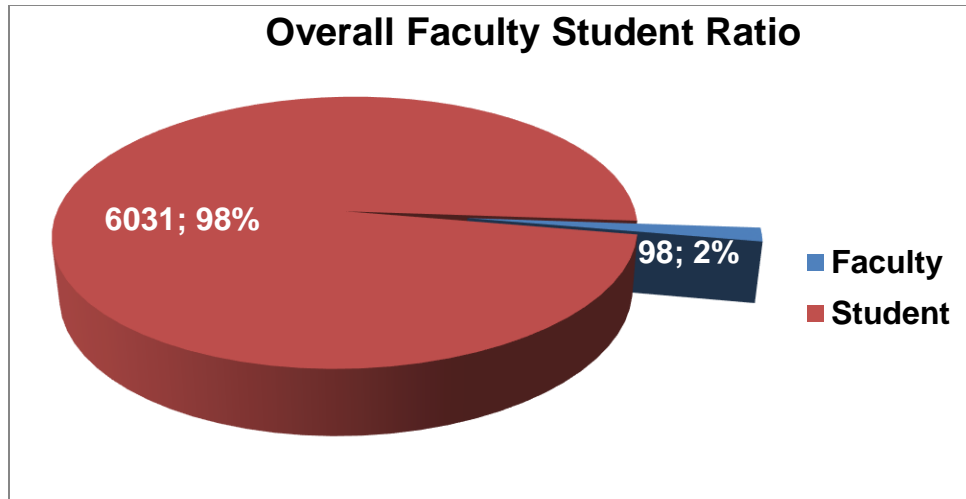


Figure 17: Graphical Presentation of Student, Faculty Ratio

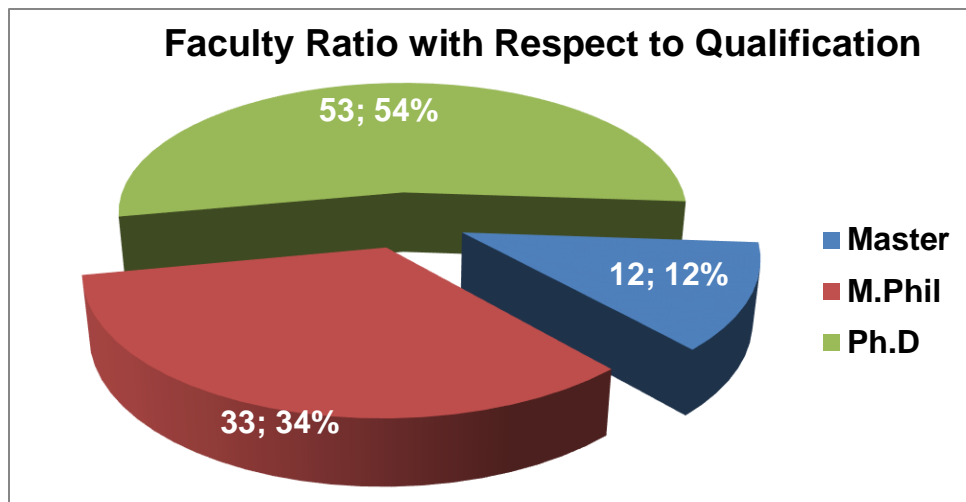


Figure 18: Faculty Ratio with Respect to Qualification

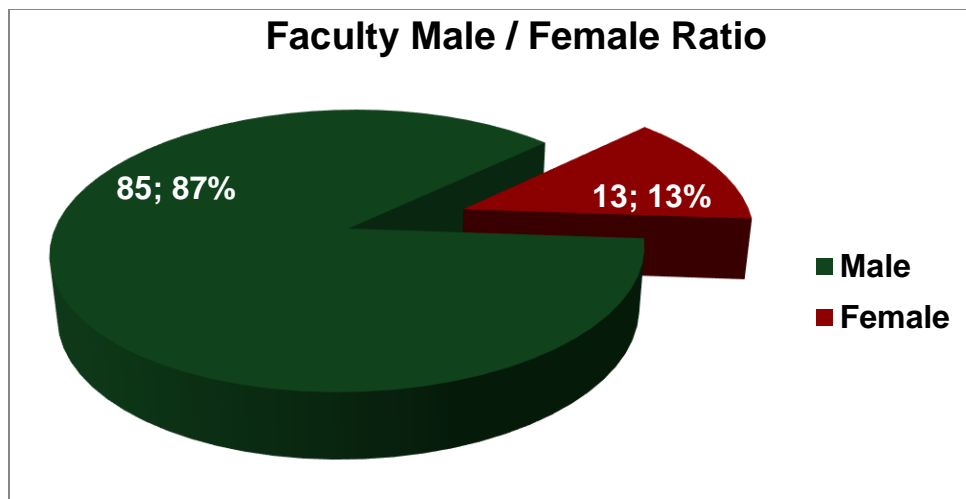


Figure 19: Faculty Male / Female Ratio



#### 4.13 Students Statistics at Shangla Campus

Programs offered	Students enrolled	Gender	
BS-CS		Male	Female
Batch-I (2016-20)	18	18	0
Batch-II (2017-21)	15	15	0
Batch-III (2018-22)	15	15	0
Batch-IV (2019-23)	20	20	0
<b>Total Students</b>	<b>68</b>	<b>68</b>	<b>0</b>

#### Faculty statistics:

Name of Department	Qualification wise statistics			Gender	
	PhD	MS/M.Phil	Master	Male	Female
Computer Science		02		02	

#### Faculty Student Ratio:

S No	Centre/Department/Institute	Students	Faculty	Ratio
1.	Department of Computer and Software Technology	68	02	34:1



Scholars Discussing with their Supervisors in Lab



## Universities Building Economies



The real competitive advantage in any business is one word only, which is “people”  
**Kamil Toume**

## 5.1 New initiatives

### 5.1.1 Entrepreneurship & Outreaching Activities

#### **Execution of Kamyab Jawan Start Up Pakistan Program (Entrepreneurship Training) at University of Swat**

DORIC, University of Swat in collaboration with IdeaGist Pakistan is executing the 'Kamjyab Jawan Start Up Pakistan Program' (Entrepreneurship Training) for University of Swat Students and Staff. This project is initiated by the Government of Pakistan to help the students in offering entrepreneurship as a career choice. Besides this, it will also support business incubation center workshops, idea incubation, community collaboration, one-on-one mentoring, process guidelines and connecting the incubator to a global pool of investors.



So far, 302 Students have registered for the program in Cohort 1 & 2 while 62 students have successfully completed the training and qualified the test. The students who have qualified the test are now in the ideation stage of the program and going through the sessions with their mentors.

In terms of number of graduated students, University of Swat is placed second in the list of Khyber Pakhtunkhwa Universities while it is also included in the top 10 Universities over all.

## 5.2 Submission of Projects to HEC

Following Projects were endorsed and forwarded to HEC as per the guide lines for approval:

S. No.	Name of PI	Project Title	Proposed Duration	Funds requested (million)
01	Dr. Anwar Hussain	An Analysis of Ecological Footprint in Rural Urban Areas of District Swat	12 months	5.5
02	Dr. Muhammad Rizwan	Unlocking the potential of phytopathogenic fungi for the production of bioactive metabolites	36 months	5.6
03	Dr. Muhammad Suleman	Analysis of genetic variations in milk producing genes and their association with milk composition in Pakistani Cattle, Buffalo, sheep and Goat breeds	36 months	3.7
04	Dr. Ghaus ur Rahman	Dynamical Aspects of Fractional Differential Equations & Its Application in Highly Oscillatory Phenomena	18 months	5.2
05	Dr. Sheraz Ali	The dynamics of violence in Pakistan: Parameters Estimation and Sensitivity Analysis	24 months	6.0
06	Dr. Adnan	Synthesis and Evaluation of Carbon-based Catalysts and their Application for Developing Efficient Remediation Technology for the Treatment of Endocrine Disruptors in Water	36 months	15
07	Dr. Ihsasnullah	Synthesis of functionalized N-heterocyclic compounds – as privileged scaffolds in designing new drug candidates and potent drugs – based on sequential transition metal catalyzed one pot-three component coupling-addition Nucleophilic Substitution aromatic (CASNAr) methodology	36 months	15
08	Dr. Nasib Zaman	Development of Diagnostic Tool for Efficient Prognosis of Sustained Virological Response Among HCV Responded Patients in Khyber Pakhtunkhwa	36 months	8.0
09	Dr. Abdul Hamid	Transforming ESP teaching in Higher Education Institutions in Pakistan: bridging the gap between curricula and job markets	36 months	10



<b>S. No.</b>	<b>Name of PI</b>	<b>Project Title</b>	<b>Proposed Duration</b>	<b>Funds requested (million)</b>
<b>10</b>	Dr. Syed Shujait Ali	Exploiting molecular systematics approaches for the identification pathogens involved in peach leaf curl disease in Pakistan and their historical, biogeography	36 months	4.7
<b>11</b>	Dr. Syed Shujait Ali	Meta analysis of gene expression data to investigate the shared Signature among different types of cancers	36 months	4.3
<b>12</b>	Dr. Shazia Sakhi	Genome wide association analysis of local sorghum (Sorghum bicolor L. Moench) cultivars/landraces for important agronomic traits under stress conditions	36 months	7.7
<b>13</b>	Dr. Muzafar Shah	Valuation and Genetic Diversity of pheasants of Swat, Pakistan	36 months	13.6
<b>14</b>	Dr. Sajjad Hussain	Relationship between Educational Leaders and Quality Education Provision for Enhancement of Living Standards of Life	36 months	20
<b>15</b>	Dr. Akhtar Rasool	Assessment of Field Evolved Insecticide Resistance in Fruit Flies in Pakistan for Future Food Security	36 months	7.9
<b>16</b>	Dr. Wajid Khan	Molecular Characterization and identification of root knot nematode and pochochia chlamydosporia for the proper biocontrol strategy of Root-Knot disease of Strawberry in district Swat	24 months	7.0

**Total Funds of HEC Projects processed: (139.2 Million)**

### 5.3 Projects submitted to HED

S. No	Name of PI	Project Title	Proposed Duration of Project	Funds Approved (million)
1	Dr. Mohammad Israr	"Development of DNA testing kit and its validation in Pakhtun population of Malakand Division"	12 months	2.49
2	Dr. Muhammad Rizwan	"Phytopathogenic Fungi as Alternative and Reliable Sources for Potent Anticancer Agent Towards a new Horizons"	12 months	1.79
3	Dr. Muzafar Shah	"Estimation of Genetic Diversity of pheasants of Malakand Division, Pakistan"	12 months	2.5
4	Dr. Zahid Hussain	"Molecular Authentication of Valuable Medicinal Plants of District Swat"	12 months	2.17
5	Dr. Mohammad Ali	Elicitation-Induced Hyper-Production of Medicinally Important Secondary Metabolites in Submerged Cell Cultures of Wormwood	24 months	2.0
6	Dr. Nisar Ahmad	"Development of Tea Bags and Steviosides Tablets for Diabetic Patients from Stevia Rebaudiana Leaves using in Vitro Technologies"	24 months	2.0
7	Dr. Jafar Khan	Development of Indigenous Rose Bengal Plate (RBPT) Antigen for Efficient Diagnosis of Brucellosis Among Cattle in the Region of Khyber Pakhtunkhwa	12 months	2.48
8	Dr. Akhtar Rasool	Assessment of economically important plant diseases and pest in Swat valley for future Food Security	12 months	1.49
9	Dr. Ghaus Ur Rahman	Applications of Generalized Fractional Calculus & Fractional Differential Equation, Related Results and Its Applications	12 months	1.199
10	Dr. Muhammad Nazir Uddin	"Molecular Identified of Nematophagous Fungi by Internal Transcribed Spacer (ITS) of the Ribosomal Nuclear DNA (rDNA) and their Efficacy against Guava Decline"		2.35
11	Dr. Wajid Khan	Development of feasible regeneration system for secondary metabolites and mass production of endangered medicinal plant Caralluma tuberculata"	06 months	2.09

**Total Funds of HED Projects Processed: (22.559 Million)**

## 5.4 Submission of Projects to Pakistan Science Foundation

S. No	Name of PI	Project Title	Proposed Duration of Project	Funds Approved (million)
01	Dr. Mohammad Sohail	“Developing Environmental Friendly, Mg-Matrix Based Composite Technology for Present and Future Generations” Pakistan Science Foundation (PSF)	12 months	1.0
02	Dr. Muhammad Israr	“Using ancestry informative markets (AIMS) to define and detect Pakistani population stratification”	12 months	19.55

**Total Funds of Pakistan Science Foundation Projects Processed: (20.55 Million)**

## 5.5 Submission of Travel Grants

1. Submitted Travel Grant case of Dr. Mohammad Sohail, Assistant Professor (IPFP), Institute of Chemical Sciences, University of Swat to Higher Education Commission for presentation of his paper titled “Industrial Ceramic Wastes in Pakistan: Renewable Natural Capital for Pollution Control, Energy and Green Environment” in the 7th International Chemistry Conference at King Saud University Riyadh Saudi Arabia.
2. Submitted Travel Grant case of Dr. Mian Gul Sayed, Assistant Professor (IPFP), Institute of Chemical Sciences, University of Swat to Present his paper, titled “Synthesis and evaluation of analgesic, anti-inflammatory and anti-bacterial activity of beta and meso 5,10,15,20- tetraphenylporphyrins Schiff bases and their metal complexes” at the 3rd International Conference on Pharmaceutical Chemistry.
3. Submitted Travel Grant case of Mr. Muhammad Irfan, Lecturer at the Department of Computer and Software Technologies, University of Swat to Present his paper titled “Anomaly Detection in Crowds using Multi Sensory Information” at the 15th IEEE International Conference on Advanced Video and Signal-based Surveillance (AVSS).
4. Submitted Travel Grant case (travel grant after completion of Post-Doctorate on return) of Dr. Faiz Muhammad Khan, Assistant Professor at the Department of Mathematics and Statistics, University of Swat to Higher Education Commission. The mentioned scholar successfully completed his Post Doctorate in Mathematics from Northwestern Polytechnical University Xi'an China.
5. Submitted Travel Grant case of Dr. Mian Gul Sayed, Assistant Professor (IPFP), Institute of Chemical Sciences, University of Swat to Present his paper, titled “Synthesis and evaluation of analgesic, anti-inflammatory and anti-bacterial activity of beta and meso 5,10,15,20- tetraphenylporphyrins Schiff bases and their metal complexes” at the 3rd International Conference on Pharmaceutical Chemistry in Budapest, Hungary.
6. Submitted Travel Grant case of Dr. Mohammad Sohail, Assistant Professor (IPFP), Institute of Chemical Sciences, University of Swat to Higher Education Commission for

presentation of his paper titled “Industrial Ceramic Wastes in Pakistan: Renewable Natural Capital for Pollution Control, Energy and Green Environment” in the International Conference on Innovative Applied Energy (IAPE 2019) at St Cross College, University of Oxford, United Kingdom (UK).

7. Submitted Travel Grant case of Dr. Mohammad Sohail, Assistant Professor (IPFP), Institute of Chemical Sciences, University of Swat to Higher Education Commission for presentation of his paper  
under ‘PAK UK Education Gateway Program’. The said program has been launched by HEC and British Council that aims to enhance partnership between the Higher Education sectors of Pakistan and UK.
8. Submitted Travel Grant case of Dr. Mian Gul Sayed, Assistant Professor (IPFP), Institute of Chemical Sciences, University of Swat to Present his paper, titled “Synthesis and evaluation of analgesic, anti-inflammatory and anti-bacterial activity of beta and meso 5,10,15,20- tetraphenylporphyrins Schiff bases and their metal complexes” at the 3rd International Conference on Pharmaceutical Chemistry in London UK.

## 5.6 Outreach activities

### A) KP Impact Challenge Program

Café De Swat, an Entrepreneurship activity / Business started by one of the three teams who received a grant of 0.5 million from KP Government under KP Impact Challenge Entrepreneurship Program for University of Swat Students.

Cafe de swat is a fast food restaurant located at Bypass Road, Swat. It has been established on 17th of April 2019 by the students of University of Swat after winning a business grant of 2 million rupees in KPIC "Khyber Pakhtunkhwa Impact Challenge" with the collaboration of LUMS (Lahore University of Management Sciences). A project under Ministry of Youth Affairs Khyber Pakhtunkhwa. The students have showed great entrepreneurial skills and provided multiple job opportunities in the business during the last year. The students belong from university different departments.

- Jebran Ali, Fazal Rahman, Farooq Khan (Semester 8th), Department of Economics and Development Studies.

- Syed Aizaz Ali Shah, (Graduated), Centre for Management and Commerce







## Strengthening Physical Infrastructure



“Infrastructure sector is all about building assets for the country. It is part of nation Building”  
**Gautam Adani**

## **Strengthening Infrastructure (Physical)**

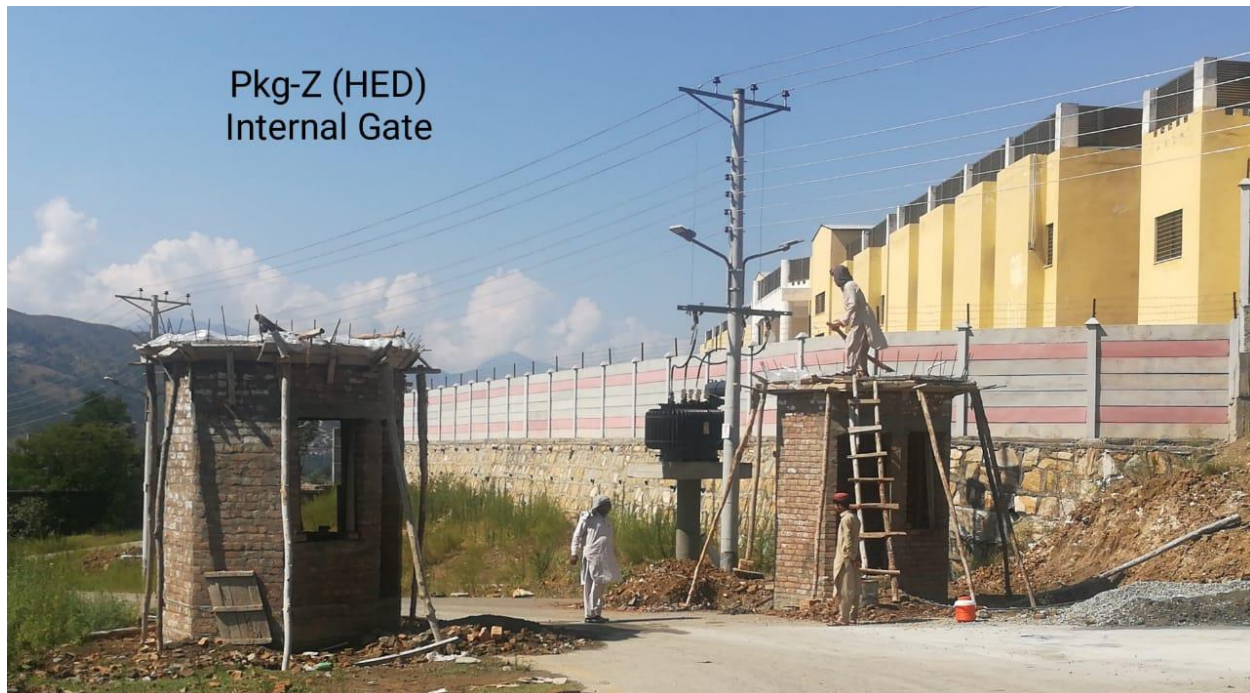
### **5.7 Development Projects of Planning and Development**

#### **A) Top Monitoring of the Main Project, “Establishment of the University of Swat at Charbagh, Swat Phase I” executed through Project Directorate:**

Name of Project	: Establishment of University of Swat, Phase-I
Site Location	: Charbagh on Mingora Kalam Road near Allahabad, Swat Pakistan
AA Cost (PC-1)	: PKR's 02.420 Billion
Revised AA Cost (PC-1)	: PKR's 02.564 Billion
Total Area of Project	: 1116 Kanals & 06 Marla's
Client	: University of Swat
Design Consultant	: M/s IN Consult, Lahore
Detailed Supervision Consultant	: M/s PEPAC, Islamabad
Design & Detailed Supervision Consultant	: M/s ACE Arts, Lahore
Original Completion of Phase-I	: 20-03-2018 (HED & HEC Components)
Revised Completion of Phase-I	: June-2021 (HED Components)
Revised Completion of Phase-I	: Case submitted for Approval (HEC Components)

## B) Project Approval's and Cost Detail

<b>ADP Reflection:</b>	2013-14
<b>ADP Scheme:</b>	97/130549
<b>Approved by PDWP:</b>	05-11-2013
<b>AA Accorded:</b>	05-12-2013
<b>Revised AA Accorded (HED:</b>	22-06-2018
<b>Project Cost (ADP):</b>	1496.667 PKR'M
<b>Project Cost (ADP) Revised;</b>	1640.465 PKR'M
<b>Civil Component Cost (HED):</b>	830.544 PKR'M
<b>Civil Component Cost (HED) Revised:</b>	1249.709 PKR'M
<b>HED Releases:</b>	1040 PKR's M
<b>PSDP 2015-16 Scheme – 362:</b>	923.581 PKR's M
<b>Civil Component Cost (HEC):</b>	651.202 PKR s'M
<b>Approved by CDWP:</b>	27-01-2015
<b>HEC Releases:</b>	380.000 PKR s'M



## 5.8 Directorate of Works

### 5.8.1 Project Financial & Physical Picture Project

Pkg/ Name	Description	Contract Cost (Rs)	Revised Cost (Rs)	Contractor	Date of Commencement / Date of Completion with EOT	Planned Progress Up to EOT	Physical Progress	Financial Progress	Remarks
A	Access and internal Roads	127.75 million	136.998 million	M/s Sahil Builders	15-09-2014 / 30-06-2019	100%	97.06%	93.93%	In Progress
B	External Public Health Engineering Works	93.16 million	107.14 million	M/s TSES	25-12-2014 / 08-11-2019	100 %	48.99%	39.32%	In Progress
C	Boundary Wall & Main Gate	83.286 million	83.286 million	M/s Syed Azim Shah	15-12-14 / 30-10-19	100%	98.76%	95.50%	In Progress
D	Academic Block-A	189.55 million	202.672 million	M/s AM&Co	31-03-15 / 30-06-19	100%	60.92%	60.00%	In Progress
E	Girls Hostel	74.50 million	84.42 million	M/s NRCC	12-05-15 / 12-09-17	100%	100.00%	100.00%	Hand over to project staff
G	Academic Block-B	173.868 million		M/S AM & Co	15-10-18 / 08-01-20	Terminated	00.575%	00.00%	failed to start
H	Boys Hostel & Bachelor Staff Hostel	157.083		M/s AM & Co	15-10-18 / 08-01-20	Terminated	00.00%	00.00%	failed to start
J	Cafeteria & SD Houses	57.375		M/s Consultronix	13-05-19/ 13-08-20	46.40 %	12.202%	5.92%	In Progress
K	Allied Facilities	196.815		M/S Miammar Co	16-08-18/ 16-11-19	100%	26.10%	22.79%	In Progress
L	External Electrification	50.78		M/s Jammal Khail	17-09-18/ 17-09-19	100.00%	26.59%	19.89%	In Progress
M	Administration Block	115.965		M/s Elum Construction	12-04-19/ 13-07-2020	53.30%	6.04%	00.00%	Relocated
N	Main Library	46.48		M/s Elum Construction	12-04-19/ 13-07-2020	53.50 %	22.05%	22.16%	In Progress



## 5.8.2 Financial and Physical Progress of the Project.

### Package (A) Access and Internal Roads

a. Project:	Access and Internal Roads
b. Client:	University of Swat.
c. Design Consultant:	Associated Consulting Engineers – ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers – ACE Ltd.
e. Executing Agency:	M/S Sahil Builders (Pvt.) Ltd.
f. Date of Commencement:	15-09-2014
g. Time of Completion:	57 months
h. Date of Completion:	30-06-2019
i. Contract Value:	Rs. 127.75 Million
j. Financial Progress to date:	93.93%
k. Physical Progress to date:	97.06%



### **Package (B) External Public Health Engineering Works**

a. Project:	Construction of External Public Health Engineering Works (Pkg-B)
b. Client:	University of Swat
c. Design Consultant:	Associated Consulting Engineers –ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers – ACE Ltd.
e. Executing Agency:	Techni Style Engineering Services
f. Date of Commencement:	25-12-2014(As per work order)
g. Time of Completion:	55 months
h. Date of Completion:	08-11-2019
i. Contract Value:	Rs. 93.16 Million
j. Revised cost Value:	Rs. 107.14
k. Financial Progress to date:	39.32%
l. Physical Progress to date:	48.99%





### Package (C) Boundary Wall and Main Gate

a. Project:	Construction of Boundary Wall & Main Gate
b. Client:	University of Swat.
c. Design Consultant:	Associated Consulting Engineers–ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers–ACE Ltd.
e. Executing Agency:	M/s Syed Azim Shah & Brothers
f. Date of Commencement:	15-12-2014 (As per work order)
g. Time of Completion:	54 months
h. Date of Completion:	30-10-2019
i. Contract Value:	Rs. 83.286 Million
j. Financial Progress to date:	95.50%
k. Physical Progress to date:	98.76%



### Package (D) Academic Block A

a. Project:	Construction of Academic Block, Package – D
b. Client:	University of Swat.
c. Design Consultant:	Associated Consulting Engineers – ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers – ACE Ltd.
e. Executing Agency:	AM & Co
f. Date of Commencement:	31-03-2015 (As per work order)
g. Time of Completion:	51 months
h. Date of Completion:	30-06-2019
i. Contract Value:	Rs. 189.55 Million
j. Revised cost Value:	Rs. 202.572 Million
k. Financial Progress to date:	60.00 %
l. Physical Progress to date:	60.92 %





### Package E Constructions of Girls Hostel

- a. Contract Cost: 74.50 Million
- b. Revised Cost: 84.42 Million
- c. Executing Agency: M/S NRCC
- d. Date of Commencement: 12-05-2015 (As per work order)
- e. Date of Completion: 12-09-2017 (As per work order)
- f. Physical Progress till December 2019: 100%
- g. Financial Progress till December 2019: 100%



## Package G & H Academic Block-B, Bachelor and Boys Hostels

Physical Progress of Package G till December 2019: 0.575 %

Physical Progress of Package H till December 2019: 0.000 %

**FAILED TO START BOTH PROJECTS AND WERE TERMINATED**





## Package J Construction of Cafeteria and SD Houses

a. Project:	Construction of Cafeteria & SD Houses (Package-J)
b. Client:	University of Swat.
c. Design Consultant:	Associated Consulting Engineers – ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers – ACE Ltd.
e. Executing Agency:	M/s. Consultronix Construction Co.
f. Date of Commencement:	13-05-2019 (As per work order)
g. Time of Completion:	15 months
h. Date of Completion:	13-08-2020
i. Contract Value:	Rs. 57.375 Million
j. Financial Progress to date:	5.92 %
k. Physical Progress to date:	12.21 %

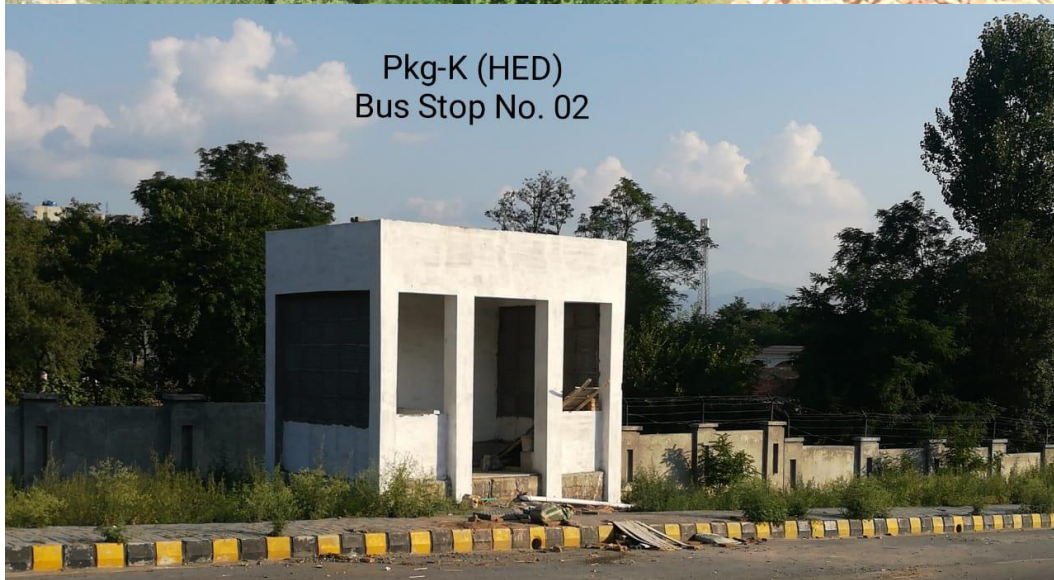


## Package K Allied Facilities and Other Buildings

a. Project:	Construction of Allied Facilities, Package – K
b. Client:	University of Swat.
c. Design Consultant:	Associated Consulting Engineers – ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers – ACE Ltd.
e. Executing Agency:	M/s Maimmar Construction Co
f. Date of Commencement:	16-08-2018 (As per work order)
g. Time of Completion:	15 months
h. Date of Completion:	16-11-2019
i. Contract Value:	Rs. 196.815Million
j. Financial Progress to date:	22.79 %
k. Physical Progress to date:	26.10 %







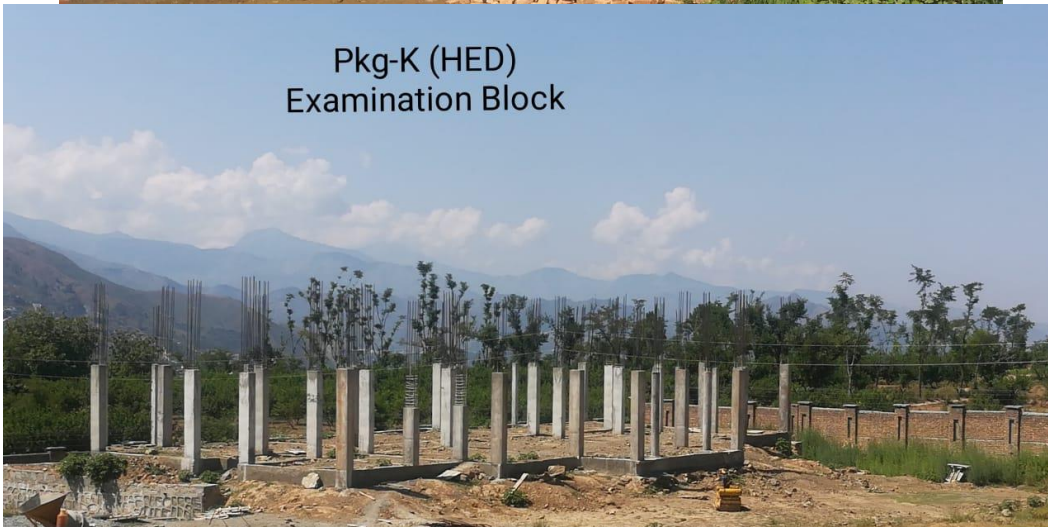
Pkg-K (HED)  
Flats 400 Sft



Pkg-K (HED)  
House 2500 Sft



Pkg-K (HED)  
Examination Block





Pkg-K (HED)  
Play Ground



Pkg-K (HED)  
Electrical Room

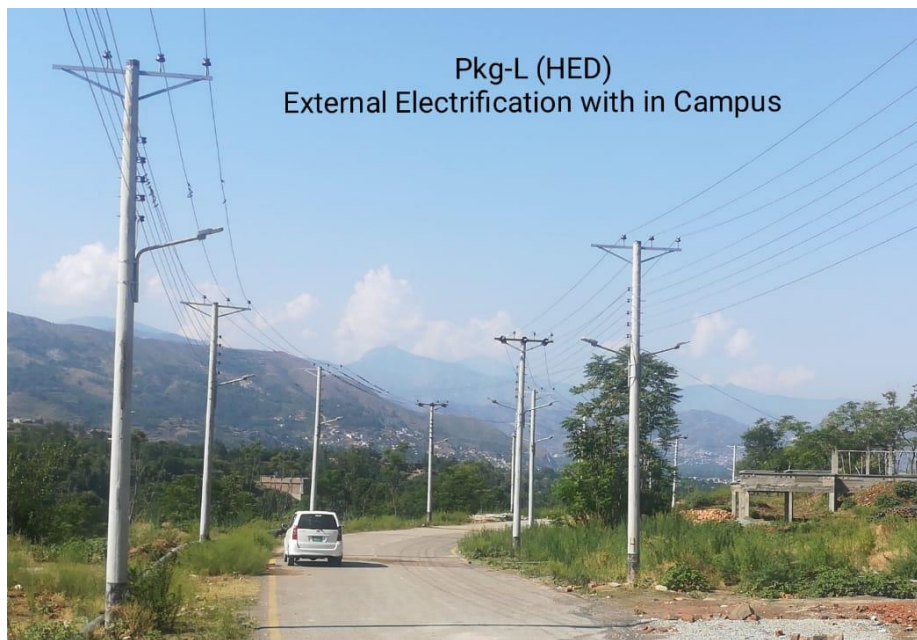


Pkg-K (HED)  
Information Centre



## Package L External Electrification with in Campus

- a. Project: Construction of External Electrification, Package-L
- b. Client: University of Swat.
- c. Design Consultant: Associated Consulting Engineers – ACE Ltd.
- d. Supervision Consultant: Associated Consulting Engineers – ACE Ltd.
- e. Executing Agency: M/s Jamal Khail & Co.
- f. Date of Commencement: 17-09-2018 (As per work order)
- g. Time of Completion: 12 months
- h. Date of Completion: 17-09-2019
- i. Contract Value: Rs. 50.78 Million
- j. Financial Progress to date: 19.89 %
- k. Physical Progress to date: 26.59 %





### Package M Administration Block

- a. Project: Construction of Administration Block, Package-M
- b. Client: University of Swat.
- c. Design Consultant: Associated Consulting Engineers – ACE Ltd.
- d. Supervision Consultant: Associated Consulting Engineers – ACE Ltd.
- e. Executing Agency: M/s Elum Construction Co.
- f. Date of Commencement: 12-04-2019 (As per work order)
- g. Time of Completion: 15 months
- h. Date of Completion: 13-07-2020
- i. Contract Value: Rs. 115.965 Million
- j. Financial Progress to date: 0.00 %
- k. Physical Progress to date: 6.04 %



Pkg-M (HEC)  
Administration Block



### Package N Main Library

a. Project:	Construction of Main Library, Package-N
b. Client:	University of Swat.
c. Design Consultant:	Associated Consulting Engineers – ACE Ltd.
d. Supervision Consultant:	Associated Consulting Engineers – ACE Ltd.
e. Executing Agency:	M/s Elum Construction Co.
f. Date of Commencement:	12-04-2019 (As per work order)
g. Time of Completion:	15 months
h. Date of Completion:	13-07-2020
i. Contract Value:	Rs. 46.48 Million
j. Financial Progress to date:	22.16 %
k. Physical Progress to date:	22.05 %





### 5.8.3 Future Plans and Targets

#### 6.1.1.1. Land for Women Campus

Land for Women Campus processed at Various locations. Detail are as under:

1. For acquisition of land, Impose Section-IV at Charbagh Swat in front of Main Campus University of Swat toward River Swat side, but couldn't purchase due to non-availability of required fund from Provincial Government.
2. Process the Summary for approval of Chief Minister Khyber Pakhtunkhwa at Kanju Township Phase-II, but couldn't approved due to technical issues from Local Government department.
3. Process the Summary for approval of Chief Minister Khyber Pakhtunkhwa at Golf Course Ground Kabal Swat, got approval from CM-KPK and notified by SMBR (Senior Member of Board of Revenue), revenue and Estate Department, but the physical possession couldn't provide district government Swat.
4. Process the Summary for approval of Chief Minister Khyber Pakhtunkhwa at Tehsil Barikot, Malkedam Swat, the land is handed over by district government Swat and the Summary is in progress.



Women Campus Land Acquisition



Chief Minister at Shangla Campus

## 5.9 Site Visits:

Secretary Education, Project Manager ACE, Vice Chancellor, UOS and other UOS staff site visit on 29<sup>th</sup> Oct 2019.



### SITE MEETINGS:

Project Progress Review Meeting at Committee Room, Charbagh , Chaired by Vice Chancellor





## 5.10 Meetings of Directorate of Planning and Development



Meeting with M&E team regarding PC-I revision (HED Portion) was held at University Guest House Kanju Township after detailed visit of Construction site at Charbagh Swat



Meeting with Consultant ACE was held at Committee Room, Main Campus UoS Charbagh Swat



Meeting with Hon CM-KPK was held at CM-Secretariat Peshawar in connection with construction projects



Meeting with Secretary Higher Education was held at his office (HED Secretariat Peshawar) regarding Construction projects.



## 5.11 TRC Meetings



TRC meeting was held at HEC-Reginal Office Peshawar



## Strengthening Technological Infrastructure



“Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important”

**Bill Gates**



## Strengthening infrastructure (Technological)

The Directorate of IT has established a static digital laboratory with help of the HEC and VPN access to digital library has been configured for Remote users. Online access to CCTV cameras at all the University campuses and premises are available. Online free access to download Microsoft tools and software for students and staff has been acquired from Dream Spark.

### Department of Media and Communication Studies

#### i. Inauguration of FM Radio

FM Campus Radio of the Department of Media & Communication Studies, University of Swat formally started its live test transmission on 29 October 2019. It is not only a great achievement of the department but of the entire university, and this medium of communication will effectively be used for promotion of education in the region.



## **6.1 Research equipment at the department**

### **6.1.1 Department of Forensic Sciences**

Forensic Research Laboratory was inaugurated by the Prof. Dr. Muhammad Jamal Khan, Vice-Chancellor, University of Swat in an auspicious ceremony. The ceremony was attended by the Dean Faculty of Life Sciences, all Heads of the Departments in the Faculty, students and researchers. Dr. Muhammad Israr briefed the audience on different aspects of the laboratory. The Dean Faculty of Life Sciences, Prof. Dr. Hassan Sher told that this was the first forensic research laboratory in any university of Khyber-Pakhtunkhwa. He said that despite the lack of facilities and infrastructure, the faculty members are doing their best for the advancement of science and are playing their part in the development of the region. The Vice Chancellor appreciated the Department of Forensic Sciences for their efforts. He said that in the age of knowledge-economy, universities shall lead the nation.



### 6.1.2 Institute of Chemical Sciences

- Allocation of Rs. 2.6 Million as laboratory fund for purchase of Labware from PC-1 of university of Swat. The process of purchase was processed in 2019.
- Allocation of Rs. 100,000/- for purchase of labware for ICS as laboratory fund in June 2019 and November 2019. The process of purchase has already been completed.
- A Uv-vis spectrophotometer (Model: AE-S90-2D) has been purchased for the laboratory of ICS through University of Swat fund. (Date details... I think repeat)
- Different small equipment has been purchased from HEC-funded projects like; magnetic stirrer, distillation assembly, Ph meter etc. (Date & Grant Details...confirm 2019)

### 6.1.3 Institute of Cultural Heritage, Tourism and Hospitality Management

Funds for Food and Beverages laboratory have been provided to department and the lab is functional for the students.



Figure 20: Receiving Antiques for Museum of Archaeology Department



## 6.2 Department of Computer and Software Technology, Shangla Campus



**Figure 21: Computer Science Lab inauguration by Khyber Pakhtunkhwa Information Minister Shaukat Ali Yousafzai along with honorable Vice Chancellor and DC shangla at University of Swat shangla campus (December 5, 2019)**



**Figure 22: Mr. Owais khan (Incharge DCST, Shangla Campus) briefs Khyber Pakhtunkhwa Information Minister Shaukat Ali Yousafzai about Campus Management System 2019**



### 6.3 University Central Library

#### 6.3.1 Central Library Staff.

S No.	Name	Designation
01	Mr. Zia Ud Din	Librarian/Lecturer Islamic & Arabic Studies
02	Mr. M. Salman Raziq	Library Assistant
03	Mr. Fazal Rabbi (Sr)	Library Attendant
04	Mr. Fazal Rabe (Jr)	Library Attendant
05	Mr. Paindamand	Library Assistant (Sangota Campus)
06	Mr. Shah Hussain	Assistant Librarian (Study Leave)

#### 6.3.2 Central Library Collection.

<b>Books</b>	18,854
<b>Serials</b>	3,500
<b>Total Collection</b>	<b>22,354</b>

#### 6.3.3 Books shifted on need base to other departments & campuses temporarily.

S No.	Name of the Department	Number of Books Shifted
01	College of Home Sciences	882
02	Education Department	914
03	ICHTHM	68
04	Law and Sharia (Books and Journals)	4413
05	Registrar Office (Iqbal Rawan)	16
06	Women Campus	24
07	Sangota Campus	644
<b>Total Number of Books and Journals</b>		<b>6961</b>

#### 6.3.4 Purchase for the Financial Year 2019.

- The Central Library, UoS purchased Books for the department of Islamic and Arabic Studies in the Financial Year of 2018-19 worth of Rs: 1,000,000/-
- The Central Library, University of Swat purchased books for Women Campus in the Financial Year of 2018-19 worth of Rs: 2,500,000/-
- Grant of Rs: 1,000,000/- (One Million) through “HEC Library Support Program” in June 2019 due to the entire efforts of the Undersigned and staff members.
- The Central Library, University of Swat purchased books for Shangla Campus in the Financial Year of 2019-20 worth of Rupees 3 Million.
- The Central Library purchased books for Centre for Caucasian, Central Asian, Chinese and Pakistan Studies at Lahore worth of Rupees 1 Million.



### 6.3.5 Subscribed Newspapers:

These are:

- |             |         |            |
|-------------|---------|------------|
| 1) The News | 3) Aaj  | 5) Mashriq |
| 2) Dawn     | 4) Jang | 6) Express |

### 6.3.6 Library membership

The Central Library has 2157 members till date.









## Universities Building Communities



The real competitive advantage in any business is one word only, which is “people”  
**Kamil Toume**



## 7.1 Office of the Social Work

### 7.1.1 Women Campus

Social work activity was performed on May 15, 2019 at Women Campus.



## 7.2 Formation of Student Societies

### Society for Promotion of Science & Information Technology

Under the supervision of Organizer Dr. Muzafar Shah (Assistant Professor, CAS&F), Society for Promotion of Science & Information Technology, UoS (SPS&IT), along with Dr. Fazl Akbar (Assistant Professor, CB&M), Dr. Muhammad Israr (Assistant Professor, DFS) and Mr. Abdullah Khan (Visiting Lecturer, CAS&F), students of University of Swat participated in Regional Science Olympiad/Fair Organized by Directorate of Science and Technology (DoST) Khyber Pakhtunkhwa in Swat Press Club Makanbagh on April 18, 2019. In this Regional Science Olympiad/Fair participants were gathered from School, Colleges and Universities of Malakand Division. University of Swat got 1st Position in the event by receiving cash prize of Rs: 25000/-



Figure 23: University of Swat got 1st prize of 25000/- Dr. Fazl Akbar receiving the cheque from the resource person Dr. Nidrat Directorate of Science and Technology, Khyber Pakhtunkhwa.



## Sports / Co-curricular Activities



"A successful person never loses... They either win or learn!"

John Calipari



## 8.1 Sports / Co-curricular Activities

Education not only plays an important role in making us great human beings but also makes us culturally and socially aware. Co-curricular activities give the students an opportunity to develop certain skills and unleash their non-academic talents and abilities. Understanding this importance in the aesthetic development, character building, physical, moral and creative growth of the students, University of Swat is striving to develop a favourable environment for them.

## 8.2 Participation in National Championship / Achievements at National Level



**Figure 24: University of Swat beat University of Swabi and qualify for quarter final of HEC KPK cricket league championship 2019-20 on 21-02-20 at AWKUM**



**Figure 25: University of Swat Squash team at GIK Qualify for final round of HEC Squash championship 2019**



Figure 26: University of Swat cricket team participated in HEC intervarsity Championship final round at Lahore

### 8.3 Incentives and honors/awards for sports persons



## 8.4 Co-curricular Activities

### Centre for Animal Sciences and Fisheries



Figure 27: M.Sc Zoology Session 2017-19 Study Tour to Pakistan Museum of Natural History and Margalla Hills National Park, Islamabad (April 06th, 2019.)



Figure 28: BS Zoology Session 2016-20 Study Tour to Margalla Hills National Park, Islamabad and Pakistan Museum of Natural History, January 29, 2019

### Centre for Earth & Space Sciences



Figure 29: Geological Field work of Khair Abad Nizampur, Shangla, Besham, Patan Kohistan, DIR & Swat

### Centre for Management and Commerce



Figure 30: BBA student picture on protest regarding Kashmir Solidarity day 2019





**Figure 31: Students of CM&C Pictured at NIMUN held at NUST Islamabad**

### **Centre for Plant Sciences and Biodiversity**

- a. On June 15, 2019 faculty members along with M.Phil. and Ph.D. scholars arranged Plant Collection trip to Miandam valley Swat, Pakistan.



- b. On July 06, 2019 faculty members along with M.Phil. and Ph.D. scholars arranged Plant Collection trip to Mankiyal Jaba valley Swat, Pakistan.

- c. From July 31 to August 02, 2019 faculty members along with M.Phil. and Ph.D. scholars arranged Plant Collection trip to Kandole lake Utror valley Swat, Pakistan.



- d. From August 05-11, 2019 faculty members along with M.Phil. and Ph.D. scholars arranged collection and sampling expedition to Deosai National Park Skardu Northern Areas Pakistan.

### College of Home Sciences



Figure 32: Two days Art & Design Exhibition was organized on 4th & 5th July 2019.

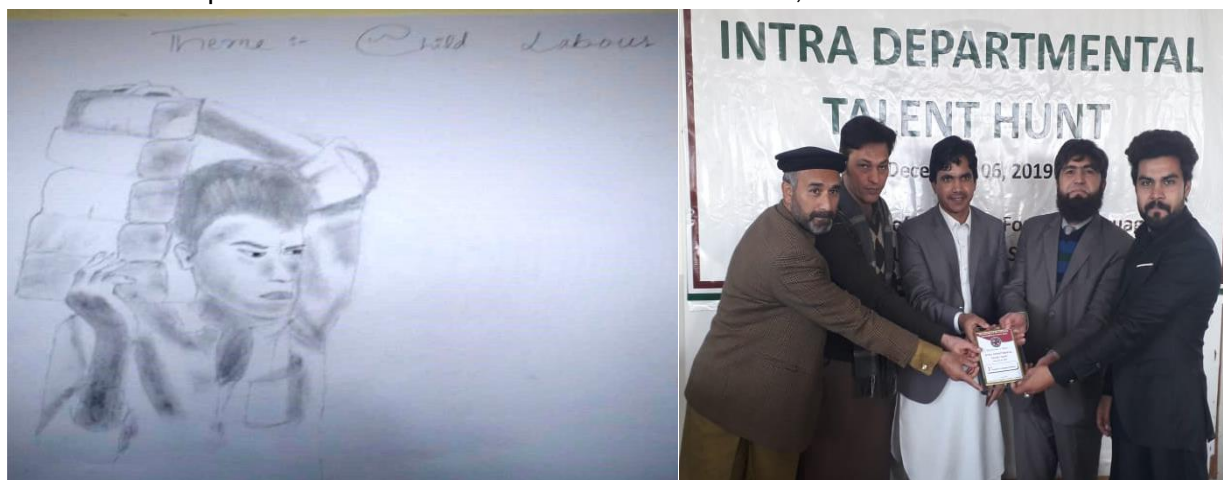




Figure 33: Two days Food Festival was organized on 28th & 29th November 2019.

### Department of English and Foreign Languages

Intra Departmental Talent Hunt held on December 06, 2019



Students of DE&FL celebrated World Teachers Day on September 10, 2019



### Department of Psychological Studies

World Mental Health day observed on October 10, 2019



### Institute of Cultural Heritage, Tourism and Hospitality Management

On account of World Tourism Day 27<sup>th</sup> September 2019, Institute of Cultural Heritage, Tourism and Hospitality Management (ICHTHM), University of Swat launched one day cleanliness campaign on prominent tourist destination of Margahzar, Swat. During this campaign, graduates, faculty of ICHTHM Dr. Zarawar Khan and Mr. Farhad Nazir actively participated to clean the stream, halting area and parking lot. Graduates also briefed the locals and tourists about the importance of cleaning and sustaining the natural environment in accordance with the United Nation's Sustainable Development Goals (SDG's) for achieving Sustainable Tourism and Sustainable Development. The campaign received great applause by the locals and tourists. Mr. Saifullah (B.S 7<sup>TH</sup> Semester) conveyed the concluding remarks that in future as well the graduates of the institute will



arrange such activities to protect and sustain the valley of Swat from the consequences of irresponsible tourism.



Figure 34: One day Cleanliness Drive conducted on World Tourism Day 27th September 2019.

### Women Campus

- Visit to Psychiatric Ward Central Hospital Saidu Sharif Swat on November 10, 2019.
- World Mental Health Day was celebrated on 25<sup>th</sup> and 26<sup>th</sup> November, 2019.







## Universities Building Leadership



The real competitive advantage in any business is one word only, which is “people”  
**Kamil Toume**

## **9.1 Faculty Leadership (Award and Representation in Government Policy making committees, memberships on various councils)**

### **9.1.1 Research Report**

#### **Department of Economics and Development Studies**

Anwar Hussain and Muhammad Nasir (2019). "Payments for forest ecosystem services in province Khyber Pakhtunkhwa, Pakistan" based on research project funded by Global Change Impact Studies Center (GCISC), Ministry of Climate Change, Islamabad, Pakistan.

### **9.1.2 MEMBERSHIP**

- Dr. Anwar Hussain, Member, Pakistan Society of Development Economist (PSDE), Pakistan Institute of Development Economics (PIDE), Islamabad.
- Dr. Anwar Hussain, Member, International Society for Environment and Rural Development (ISERD), Tokyo Japan.
- Dr. Anwar Hussain, Member, Pakistan Society of Applied Economists, AERC, University of Karachi, Pakistan.



## Finance



"Beware of little expenses. A small leak will sink a great ship"

**Benjamin Franklin**



## 10.1 Financial Year at a Glance

### SUMMARISED BUDGET PROFILE Revised Estimates 2018-19 & Budget Estimates 2019-20

[Million Rs.]

Particulars	2017-18 (Actual)	CFY 2018-19				2019-20 (Budget Estimates)
		Approved Budget	Actual Upto March- 2019	Anticipated for 3 Months	Revised Estimates	
<b>1. Opening Balance:</b>	<b>412.696</b>	<b>443.135</b>			<b>443.135</b>	<b>348.136</b>
<b>2. Total Grants &amp; Donations [a - c]</b>	<b>194.252</b>	<b>208.623</b>	<b>120.095</b>	<b>88.528</b>	<b>211.983</b>	<b>194.215</b>
a. Federal Government (Annual)	189.118	198.543	119.125	79.418	198.543	177.415
b. Supplementary / Additional Grant	3.526	-	-	-	-	-
c. Grant for Tenure Track Faculty	1.608	10.080	0.970	9.110	13.440	16.800
d. Provincial Govt. Grant	-	-	-	-	-	-
e. Donations	-	-	-	-	-	-
f. Any other Grant	-	-	-	-	-	-
<b>3 (i) Students Related Income [3(i) a - 3(i) e]</b>	<b>188.06</b>	<b>223.910</b>	<b>150.442</b>	<b>66.701</b>	<b>217.143</b>	<b>237.300</b>
<i>Tuition Fees</i>	45.271	60.980	47.410	20.785	68.195	75.000
<i>All Other Fees</i>	40.987	55.380	37.014	9.828	46.842	55.400
<i>Hostel / User Charges, etc.</i>	2.640	3.000	0.728	2.122	2.850	3.600
<b>a. On Campus Students (sub-total)</b>	<b>88.90</b>	<b>119.360</b>	<b>85.152</b>	<b>32.735</b>	<b>117.887</b>	<b>134.000</b>
b. Affiliated College/Institutions' Students	13.767	18.550	7.869	4.317	12.186	13.300
c. External (Private) Students	85.398	86.000	57.421	29.649	87.070	90.000
d. Income from Continuing Professional Development Courses for Business & Community	-	-	-	-	-	-
e. Income from Continuing Education [CE] Courses for Business & Community	-	-	-	-	-	-
<b>3 (ii) Other Venues of Income [3(ii) a - 3(ii) f]</b>	<b>25.173</b>	<b>25.150</b>	<b>25.261</b>	<b>4.030</b>	<b>29.291</b>	<b>29.500</b>
a. Income from Collaborative and Contract Research	0.357	0.150	0.970	0.030	1.000	1.500
b. Income from Consultancy & Testing	-	-	-	-	-	-
c. Income from Intellectual Property	-	-	-	-	-	-
d. Income from Regeneration & Development Programs	-	-	-	-	-	-
e. Alumni	-	-	-	-	-	-
f. Any Other Income/Profit	24.816	25.000	24.291	4.000	28.291	28.000
<b>3 (iii) Receipts from Endowment Fund (if any)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>3. Total Own Resources</b>	<b>213.238</b>	<b>249.060</b>	<b>175.703</b>	<b>70.731</b>	<b>246.434</b>	<b>266.800</b>
<b>A. Total Available Resources [1+2+3]</b>	<b>820.186</b>	<b>900.818</b>	<b>295.798</b>	<b>159.259</b>	<b>901.552</b>	<b>809.152</b>

## SUMMARISED BUDGET PROFILE

### Revised Estimates 2018-19 & Budget Estimates 2019-20

[Million Rs.]

Particulars		2017-18 (Actual)	CFY 2018-19				2019-20 (Budget Estimates)
			Approved Budget	Actual Upto March- 2019	Anticipated for 3 Months	Revised Estimates	
<b>4. Expenditure Break-up:</b>		244.363	342.622	204.005	99.788	303.793	392.435
a.	Faculty Salary	149.998	200.142	120.367	56.136	162.503	215.240
b.	TTS Faculty Salary/ Gratuity	7.609	10.080	8.481	4.959	13.440	16.800
c.	Salary of Officers & Staff - Teaching Departments	11.219	22.275	8.448	8.004	16.452	15.748
d.	Salary of Officers & Staff - All Non-Teaching Departt:	75.537	110.125	66.709	30.689	111.398	144.647
e.	Other Establishment Charges	-	-	-	-	-	-
f.	Non Salary Expenses / Other Charges	132.688	309.050	121.858	121.266	243.123	326.975
g.	Research	-	5.000	-	0.500	0.500	1.500
h.	Library Expenses	-	2.000	-	6.000	6.000	5.000
<b>5. Total Establishment Charges [4 a to e]</b>		244.363	342.622	204.005	99.788	303.793	392.435
<b>6. Total Non Salary Expenses [4 f to h]</b>		132.688	316.050	121.858	127.766	249.623	333.475
<b>B. Total Expenditures [5 + 6]</b>		377.051	658.672	325.863	227.554	553.416	725.910
<b>C. Surplus / Deficit [A - B]</b>		443.135	242.146	(30.065)	(68.295)	348.136	83.242
D.	Approved Budget						<b>725.910</b>
E.	Impact of Vacant Posts Excluded in Estimates						<b>345.400</b>
F.	Impact of Existing and Planned Hiring during the Year						<b>399.448</b>
G.	Incremental impact of filled posts - Annual						<b>2.769</b>

## 10.2 Budget Analysis and Key Financial Indicators

Ratios and Indicators	Last FY 17-18	Status for CFY 18-19	Projected in FY 2019-20
<b>1. Cost Per Student [in Rupees]</b>	102,237	95,318	102,284
a. Salary Expense Basis [in Rupees]	66,259	52,324	55,296
b. Non-Salary Expense Basis [in Rupees]	35,978	42,994	46,988
<b>2. Recurring Grant Per Student [in Rupees]</b>	52,671	36,511	27,366
<b>3. Total Own Income Per Student [in Rupees]</b>	57,819	42,445	37,593
<b>4. Fees Income Per Student [in Rupees]</b>	24,105	20,304	18,881
<b>5. Provincial Recurring Support [Per Student (if any)]</b>	-	-	-
<b>6. Total Faculty</b>	123	124	160
a. PhD	45	54	75
b. Non-PhD	78	70	85
<b>7. Total Administrative Staff</b>	220	232	281
a. Officers (BPS 17 and above)	26	28	44
b. Allied Staff (BPS 6 to 16)	38	37	52
c. Allied Staff (BPS 1 to 5)	156	167	185
<b>8. Total Enrollment</b>	3,688	5,806	7,097
a. Bachelors / Masters	3,688	5,746	6,967
b. MS / MPhil	0	52	112
c. PhD	0	8	18
d. PGD (1 year & 2 years duration only)	0	0	0
<b>9. Total Number of Academic Programs</b>	45	45	45
<b>10. Key Ratios:</b>			
a. Faculty : Staff Ratio	1 : 1.8	1 : 1.9	1 : 1.8
b. Faculty : Student Ratio	1 : 30	1 : 47	1 : 44
c. Self-Generated Income as % of total Resources	26%	27%	33%
d. Self-Generated Income as % of total Expenditures	57%	45%	37%
e. Recurring Grant as %age of total Expenditures	52%	38%	27%
f. Students Fees as % of Cost per student	24%	21%	18%
g. Salary as % of Total Expenditure	65%	55%	54%
h. Non-Salary as % of Total Expenditure	35%	45%	46%
<b>11. Potential Risk - Cost of Retirement Benefits:</b>			
a. Annual Pension Payments [Million Rs.]	NIL	NIL	NIL
b. Actuarial Valuation of 'Pension Liability' [Million Rs.]	NIL	NIL	NIL
c. Amount Available in Pension Fund [Million Rs.]	60.928	108.580	150.112
d. Asset / Funding Gap [(11(b) -11(c))] [Million Rs.]	NIL	NIL	NIL
e. Annual Contributions to Pension Fund [Million Rs]	35.739	50.000	70.000



### 10.3 Development Budget

#### Establishment of University of Swat, Phase-I Details of Developmental Fund

Part-A (HED) Summary Till Date		Release	Expenditure	Balance against Release
		1,040.000	768.408	271.592
S.No.	Description	Provision as per PC-1 (Revised)	Fund Utilized Till Date	Balance against Provision
01	Civil Works	1,206.928	598.417	608.511
02	Consultancy	42.780	31.826	10.954
03	Human Resource Development	9.878	7.537	2.341
04	Office & Teaching Equipments	8.719	1.765	6.954
05	Networking , Computerization	39.648	-	39.648
06	Furniture & Fixtures	38.539	1.220	37.319
07	Books & Journals	10.000	8.930	1.070
08	Transport System	60.606	45.966	14.640
09	Land Requisition	126.000	17.256	108.744
10	Physical Contingencies	5.337	3.766	1.571
11	Price Contingencies (Escalation)	36.250	12.420	23.830
12	Project Execution and Staff	55.780	39.304	16.476
Total		1,640.460	768.408	872.057

Part-B (HEC) Summary Till Date		Release	Expenditure	Balance against Release
		380.000	116.638	263.362
S.No.	Description	Provision as per PC-1	Fund Utilized Till Date	Balance against Provision
01	Civil Works	634.976	82.021	552.955
02	Consultancy	16.225	11.205	5.020
03	Human Resources	148.169	10.682	137.487
04	Labs, Office, Teaching Equipments	87.184	1.611	85.573
05	Project Execution and Staff	22.209	8.527	13.682
06	Contingency @ 0.5%	14.818	2.591	12.227
Total		923.581	116.638	806.943

## ESTABLISHMENT OF UNIVERSITY OF SWAT, PHASE-I OVERALL PROGRESS OF DEVELOPMENTAL FUND (HED PART)

Rs: In Million

Part-A (HED) Summary Till Date			Total Cost	Release	Expenditure	Balance against Release	Financial Progress against Total Cost	Financial Progress against Release
			1640.460	1,040.000	768.408	271.592	46.84%	73.89%
S.No.	Description	Pkg.	AA Cost as per Original PC-I	Provision as per PC-1 (Revised)	Bid/Revised Cost	Gross Workdone Till date	Financial Progress (Col-4/Col-3)	Physical Progress
			Col-1	Col-2	Col-3	Col-4	Col-5	Col-6
01	Civil Works & Consultancy							
1.01	Access & Internal Roads	A	119.202	156.980	127.750	120.777	94.54%	100.00%
1.02	Public Health Engg. Works	B	99.472	199.520	93.160	48.704	52.28%	55.00%
1.03	Boundary Wall & Main Gate	C	97.236	166.910	83.285	79.278	95.19%	100.00%
1.04	Academic Block-A	D	189.705	251.320	202.572	91.819	45.33%	50.00%
1.05	Girls Hostel	E	74.033	97.660	88.860	85.355	96.06%	100.00%
1.06	Allied Facilities	K	126.957	231.340	196.815	97.346	49.46%	60.00%
1.07	External Electrification	L	43.790	63.200	50.784	41.519	81.76%	95.00%
1.08	Main Internal Gate at Entrance of University		10.000	2.000			0.00%	
1.09	Water Retaining Weirs/Pond		5.000	5.000			0.00%	
1.10	Mater Planning of Land & Survey		1.600	-		-	0.00%	
1.11	External Electrification WAPDA		24.000	33.000		33.618	101.87%	
2	Consultancy Design & Detailed Supervision		39.549	42.778		31.826	74.40%	
<b>Total of Civil Works &amp; Consultancy</b>			<b>830.544</b>	<b>1249.710</b>		<b>630.244</b>	<b>50.43%</b>	
03	Human Resource		197.560	9.878		7.537	76.30%	
04	Office & Teaching Equipment		23.910	8.720		1.765	20.24%	
05	Networking , Computerization		79.290	39.640		-	0.00%	
06	Furniture & Fixtures		77.070	38.540		1.220	3.17%	
07	Books & Journals		5.000	10.000		8.930	89.30%	
08	Transport System		76.680	60.610		45.966	75.84%	
09	Land Equisition for Tube Wells & Campus Area		0.000	126.000		17.256	13.69%	
10	Physical Contingencies @ 0.3%		32.250	5.337		3.766	70.56%	
<b>Sub-Total with Contingencies</b>			<b>1322.304</b>	<b>1548.435</b>		<b>716.684</b>	<b>46.28%</b>	
11	Price Contingencies (Escalation)		131.870	36.790		12.420	33.76%	
12	Project Execution and Staff		42.510	55.780		39.304	70.46%	
<b>Total Cost</b>			<b>1496.684</b>	<b>1640.460</b>		<b>768.408</b>	<b>46.84%</b>	

## ESTABLISHMENT OF UNIVERSITY OF SWAT, PHASE-I OVERALL PROGRESS OF DEVELOPMENTAL FUND (HEC PART)

Part-B (HEC) Summary Till Date			Total Cost	Release	Expenditure	Balance against Release	Financial Progress against Total Cost	Financial Progress against Release	
			923.582	380.000	116.638	263.362	12.63%	30.69%	
S.No.	Description	Pkg.	AA Cost as per Original PC-I	Provision as per PC-1 (Revised)	Bid/Revised Cost	Gross Work done Till Date	Financial Progress (Col-4/Col-3)	Physical Progress	Remarks
			Col-1	Col-2	Col-3	Col-4	Col-5	Col-6	
01	Civil Works Buildings								
1.01	Academic Block Complex	G	189.705	-	173.868	-	0.00%	0.05%	Terminated
1.02	Main Library	N	40.295	-	46.489	20.117	43.27%	55.00%	
1.03	Cafeteria & Student Service Centre	J	21.250	-	23.890	10.218	42.77%	55.00%	
1.04	Admin Block	M	94.683	-	115.965	35.277	30.42%	35.00%	
1.05	Student Boys Hostel	H	74.033	-	95.593	-	0.00%	0.00%	Terminated
1.06	Bachelor Faculty Hostel	H	53.357	-	61.490	-	0.00%	0.00%	Terminated
1.07	Housing								
1.07-a	Semi Detached Houses (6 Nos. 9000Sft)	J	22.500		33.484	15.327	45.77%	55.00%	
1.07-b	Houses (1 No. 3000Sft, 5 Nos. 10000Sft, 2 Nos. 5000Sf)	P	45.000				0.00%		
1.08	Escalation		94.154			1.081	1.15%		
02	Consultancy Design & Detailed Supervision		16.225			11.205	69.06%		
<b>Sub-Total of Civil Works Buildings</b>			<b>651.202</b>	<b>0.000</b>		<b>93.226</b>	<b>14.32%</b>		
03	Human Resources		148.169	-		10.682	7.21%		
04	Labs, Office, Teaching Equipment's		87.184	-		1.611	1.85%		
05	Project Execution and Staff		22.209	-		8.527	38.40%		
06	Contingency @ 0.5%		14.818	-		2.591	17.49%		
<b>Total Cost</b>			<b>923.582</b>	<b>-</b>		<b>116.638</b>	<b>12.63%</b>		



## 10.4 Self-Generated Income

Million Rupees

Code No.	Budget Heads	2017-18 Actual	CFY 2018-19				2019-20 Budget Estimates
			Approved Budget	Actual (March-2019)	Anticipated for 3 Months	Revised Estimates	
<b>C02813</b>	<b>Education General Fees [ 301 - 390 ]</b>	<b>175.309</b>	<b>214.810</b>	<b>143.827</b>	<b>63.886</b>	<b>207.713</b>	<b>226.400</b>
C0281301	Admission Fees	3.044	9.900	6.475	1.798	8.273	11.200
C0281306	Tuition Fees - Regular Fee Structure	45.271	60.980	47.410	20.785	68.195	75.000
C0281311	Tuition Fees - Self-Support Scheme	-	-	-		-	-
C0281316	Tuition Fees - Self-Financing Scheme	-	-	-		-	-
C0281322	Registration Fees - University Students Only	2.511	5.250	3.070	0.910	3.980	4.000
C0281323	Registration Fees - Affiliated Colleges Students only	2.768	6.250	2.570	1.430	4.000	5.000
C0281326	Registration Fees - Private / External Students	12.009	16.000	9.291	3.790	13.081	14.000
C0281332	Examination Fees- University On Campus Students	9.048	10.750	5.732	3.513	9.245	12.200
C0281333	Examination Fees - Affiliated Colleges Students	5.357	11.500	4.963	2.537	7.500	7.500
C0281336	Examination Fees - Private / External Students	73.389	70.000	48.130	25.859	73.989	76.000
C0281341	Library Fees	1.386	3.500	1.308	0.392	1.700	2.300
C0281346	Degree / Transcript Fee etc.	15.400	15.180	12.967	1.433	14.400	16.200
C0281361	Income from Continuing Professional Development Courses for Business & Community		-			-	
C0281375	Income from Continuing Education Courses for Business & Community		-			-	
C0281380	Course Fees - 'Post-Graduate Diploma'		-			-	
C0281381	Course Fees - 'Diploma Courses - Others'		-			-	
C0281382	Course Fees - 'Special / Short Courses'		-			-	
C0281390	Other Misc. Fees from Students	5.125	5.500	1.911	1.439	3.350	3.000

Code No.	Budget Heads	2017-18 Actual	CFY 2018-19				2019-20 Budget Estimates
			Approved Budget	Actual (March-2019)	Anticipated for 3 Months	Revised Estimates	
<b>C02812</b>	<b>Hostel Fees / User Charges [ 201 - 226 ]</b>	<b>2.640</b>	<b>3.000</b>	<b>0.728</b>	<b>2.122</b>	<b>2.850</b>	<b>3.600</b>
C0281201	Hostel Admission Fees					-	
C0281206	Hostel Room Rent					-	
C0281211	Hostel Utility Charges			0.039	0.011	0.050	0.100
C0281216	Hostel Service Charges		-			-	
C0281221	Income from Transport / Buses	2.640	3.000	0.689	2.111	2.800	3.500
C0281226	Other Misc. Charges		-			-	
<b>C02810</b>	<b>Income from Endowments</b>						-
<b>C02815</b>	<b>Income from Services Rendered [ 501 - 531 ]</b>	<b>0.357</b>	<b>0.150</b>	<b>0.970</b>	<b>0.030</b>	<b>1.000</b>	<b>1.500</b>
C0281501	Income from collaborative Research - Domestic	0.357	0.150	0.970	0.030	1.000	1.500
C0281506	Income from Collaborative Research - International	-	-			-	
C0281511	Income from Collaborative Research - Others	-	-			-	
C0281521	Income from Contract Research -Commercial Businesses [non-SMEs]	-	-			-	
C0281526	Income from Contract Research - Non-Commercial Organizations	-	-			-	
C0281531	Income from Contract Research - SMEs	-	-			-	
<b>C02815</b>	<b>Income from Consultancy &amp; Testing [ 536 - 561 ]</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
C0281536	Income from Consultancy	-	-	-		-	-
C0281541	Income from Consultancy - Contracts with SMEs	-	-	-		-	-
C0281546	Income from Consultancy - Contracts with Commercial Businesses	-	-	-		-	-
C0281551	Income from Consultancy - Contracts with Non Commercial Organizations	-	-	-		-	-
C0281561	Income from Testing Services etc.	-	-	-		-	-
<b>C02815</b>	<b>Income from Regeneration &amp; Development Programs [ 566 - 572 ]</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
C0281566	Income From Regeneration & Development Programs - Federal	-	-	-		-	-
C0281568	Income From Regeneration & Development Programs - Provincial	-	-	-		-	-

Million Rupees

Code No.	Budget Heads	2017-18 Actual	CFY 2018-19				2019-20 Budget Estimates
			Approved Budget	Actual (March-2019)	Anticipated for 3 Months	Revised Estimates	
C0281570	Income From Regeneration & Development Programs - District Govts.	-	-	-		-	-
C0281572	Income From Regeneration & Development Programs - Others	-	-	-		-	-
<b>C02815-6</b>	<b>Income from Intellectual Property [ 575 - 610]</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
C0281575	Receipts from Patents & Disclosures	-	-	-		-	-
C0281580	Intellectual Property Income - Commercial Businesses	-	-	-		-	-
C0281585	Intellectual Property Income - Non Commercial Organizations	-	-	-		-	-
C0281590	Intellectual Property Income - SMEs	-	-	-		-	-
C0281595	Income from Spin-offs activities	-	-	-		-	-
C0281600	Income from Start-ups	-	-	-		-	-
C0281606	Income from sale of shares in Spin-offs	-	-	-		-	-
C0281610	Receipts from Alumni	-	-	-		-	-
<b>C02818</b>	<b>Others [ 809 - 870 ]</b>	<b>34.931</b>	<b>31.100</b>	<b>30.178</b>	<b>4.693</b>	<b>34.871</b>	<b>35.300</b>
C0281809	Affiliation Fees Received from Other Institutions	5.643	0.800	0.336	0.350	0.686	0.800
C0281820	Sale of Publications	-	-			-	
C0281830	Sale of Prospectus / Forms	4.404	4.800	5.394		5.394	6.000
C0281840	Rent / Lease of University Buildings / Shops etc.	-	-			-	
C0281850	Income from Farm Produces / Livestock etc.	-	-			-	
C0281860	Interest on Investments / Cash Balances etc.	24.816	25.000	24.291	4.000	28.291	28.000
C0281870	Other Misc. Receipts	0.068	0.500	0.157	0.343	0.500	0.500
<b>Total Own Resources</b>		<b>213.238</b>	<b>249.060</b>	<b>175.703</b>	<b>70.731</b>	<b>246.434</b>	<b>266.800</b>



## 10.5 Finance & Planning Committee Meetings

### 10.5.1 11<sup>th</sup> F&PC Meeting



Figure 35: Meeting of 11th F&PC on April 17, 2019



## University Governance



“Good Governance should be like air. Its existence need not be discussed but its absence would make a huge difference”.

**Pras Hanth**

## 11.1 Meeting of the Senate

### 11.2 Syndicate Meetings

In 2019, the University of Swat scheduled regular meetings of the syndicate. The following meetings were held, in which decisions were taken and approvals granted pertaining to University of Swat affairs.

#### 11.2.1 Meeting of the Syndicate



28<sup>th</sup> Syndicate Meeting, UOS on September 27, 2019 (Is it correct)

### 11.3 Meetings of the Selection Board

The University of Swat scheduled regular meetings of its selection board. The meetings were called to process the selection of candidates for various positions (teaching and administrative) in various disciplines/sections. In 2019, the following meetings were held in which the recommendations of candidates for various positions were given.

#### 11.3.1 22nd Meeting of the Selection Board



22nd Meeting of the Selection Board at the University of Agriculture Peshawar held on 29-4-2019

#### 11.3.2 23rd Meeting of the Selection Board



23rd meeting of Selection Board (held on 30-04-2019) Skype interview of candidate during the meeting at the University of Agriculture Peshawar



### 11.3.3 24th Meeting of the Selection Board



24th meeting of the Selection Board held on 02-05-2019 at the University of Agriculture Peshawar

### 11.3.4 25th Meeting of the Selection Board



25th meeting of the Selection Board (held on 03-05-2019) at the University of Agriculture Peshawar

## 11.4 Meetings of the Selection and Promotion Committee

### 11.4.1 3<sup>rd</sup> Meeting of the Selection and Promotion Committee

**Appointments/Promotions detail of officers/faculty made in 20<sup>th</sup> meeting of selection board**

**Detail of Time Scale Promotions in 1<sup>st</sup> Meeting of Selection & Promotion Committee**

**Detail of Time Scale Promotions in 2<sup>nd</sup> Meeting of Selection & Promotion Committee**

## 11.5 Recruitment(s)

Table 12: Recruitment of employees at University of Swat

Recruitment in 2019				
Administration		Faculty		Total
Male	Female	Male	Female	
28	06	13	03	50
34		16		

Table 13: Total Employees at University of Swat

Total Employees at University of Swat (2019)				
Administration		Faculty		Total
Male	Female	Male	Female	
270	11	100	21	402
281		121		

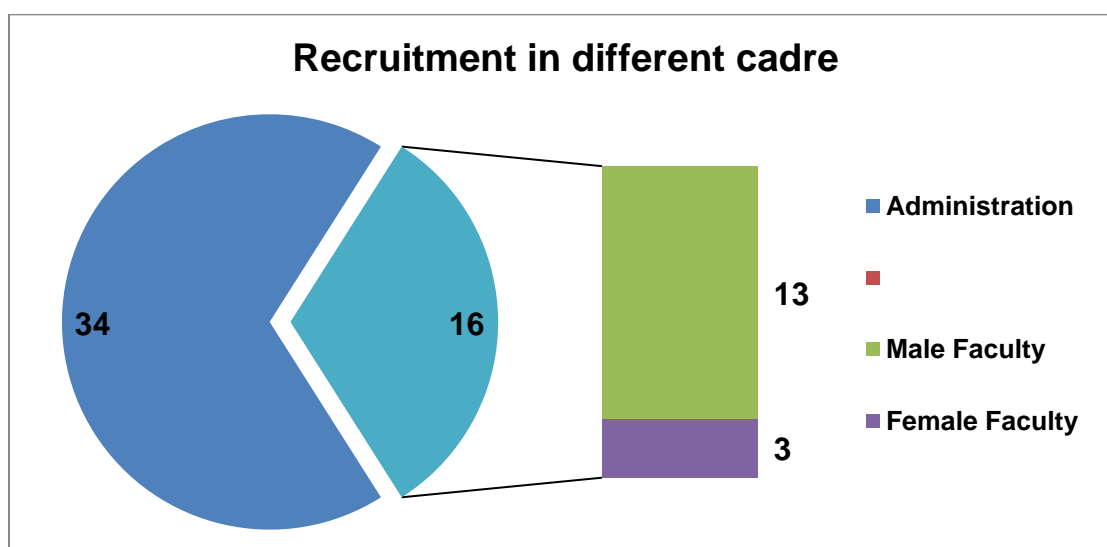


Figure 36: Recruitment of employees at University of Swat in 2019

## 11.6 Academic Council Meetings

### 11.7 Board of Studies Meetings

Centre for Caucasian, Central Asian, Chinese and Pakistan Studies



Convening First board of studies meeting at Committee Room University of Swat held on August 20, 2019

Centre for Management and Commerce



Fourth meeting of Board of Studies was held at Committee Room UoS held on September 18, 2019 in which curriculum of MBA (After 16 years of Education) was placed.



### College of Home Sciences

1<sup>st</sup> meeting of Board of Studies for BS Home Economics was held on 27<sup>th</sup> of June 2019.

### Department of Computer and Software Technology



3<sup>rd</sup> Board of Studies meeting for curriculum revisions **Date not mentioned**

### Department of English and Foreign Languages

Meeting of the Board of Studies of Department of English & Foreign Languages for BS English (4 years), M.Phil. English (2 years) and English Language Certificate Course (3 Months) held on October 30, 2019





## Department of Forensic Sciences



Dr. Shoaib Suddle chairing the 1st Meeting of Board of Studies for Forensic Sciences

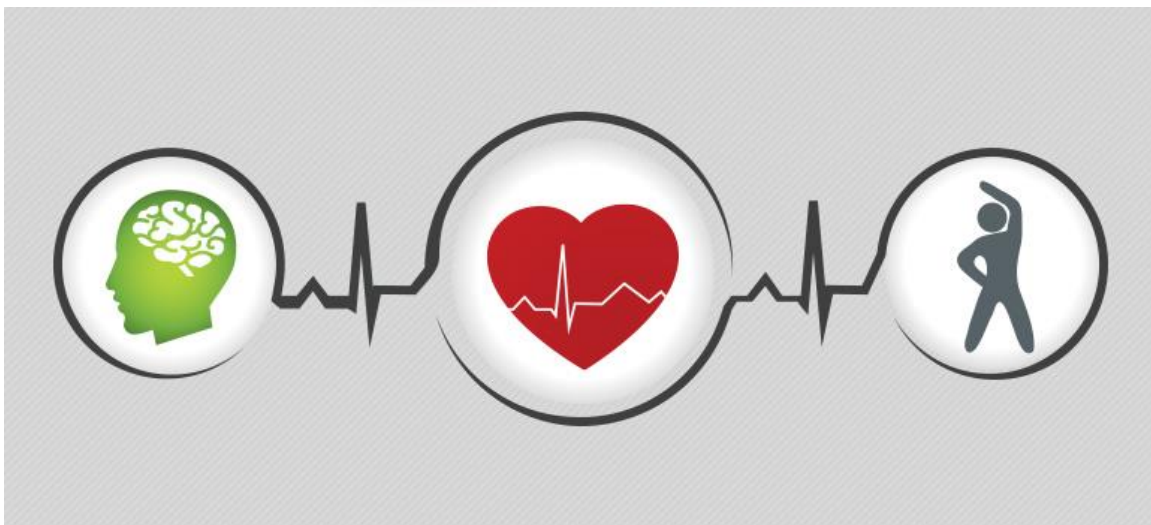
## Institute of Chemical Sciences

Conducted 2<sup>nd</sup> Board of Studies for approval of curricula of BS, MPhil and PhD. **Date and Picture**

## 11.8 ASRB



## Health Care / Medical Facilities



"Take Care of Your Body. It is the Only Place You Have to Live"

**Jim Rohn**

## 12.1 Health Centre/Medical Facilities



## 12.2 Psychological Assessment and Counseling Center

Students are the most important part of any society; rather it would not be wrong to say that they are the building blocks of a society. Student life is always symbolized as the most exciting part of one's life. Often people romanticize student life and describe it as the most exciting part of their life, which is true. Life at campus is full of so much of happenings, like exams, social gatherings, class presentations, performance pressure, competition, field trips, relationships and much more. Everyone has right to make best out of his/ her student life and make it pleasantly memorable. This can be done by achieving and maintaining physical and mental health and creating a fine balance in life. In order to help the students in their aspiring journeys, a Counselor and Psychological Counselor have been hired which offer consultation for students, faculty, staff, and families concerned about a student and has outreach programme as well for community to overcome their personal, academic and social problems and to flourish in life.



# University of Swat

*Aspiring for Quality Education with Relevance*

# Annual Report 2019

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