



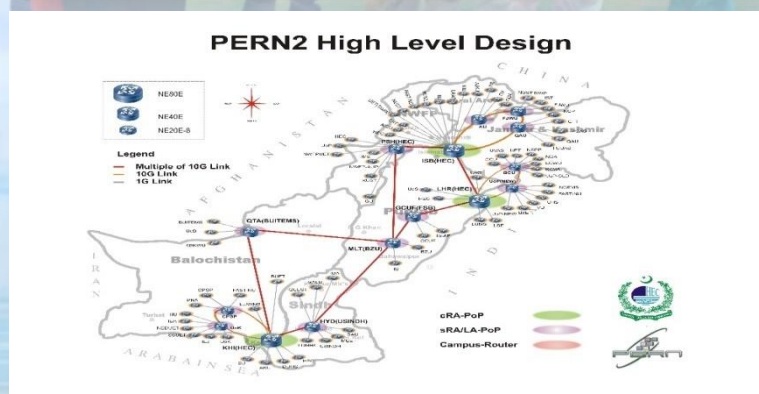
Higher Education Commission, Islamabad

Engr. Waheed Ahmed Mangi
Director (HRD)

Higher Education Commission
November 22, 2017



Introduction: The Higher Education Commission of Pakistan is an independent, autonomous, and constitutionally established institution of primary funding, overseeing, regulating, and accrediting the higher education efforts in Pakistan.



Core Strategic Aims and objectives of HEC

Equitable Access, Quality & Standards

- Enhancing Nation wide Equitable Access
- Quality & Standards consistent with Global HE Standards
- Create a Critical Mass of qualified Human Resources
- Qualified Faculty with Advanced Degrees

Technology Readiness

- Nation wide availability and use of ICTs
- Provide necessary Scientific Equipment and Technology resources for High Quality Research
- Provide PERN3 Facilities through Global high speed connectivity
- Digital research and instructional Resources for faculty and students

Research & Innovation

- Universities, Industry & Government nexus
 - Knowledge Economy
- Critical National Problems and solutions
- Discovery of new knowledge, competences and skills in Engineering specializations
- Solve critical national problems and create indigenous solutions

Leadership, Governance & Management

- Improve Management and Governance of HEI to offer UG and Grad interdisciplinary, rigorous and relevant programs
- Merit based selection of key university leaders, faculty and students
- Strategic planning, institutional development and improving academic quality of all programs offered at universities.

Students Enrollment in Universities (2010-2016)



Pre 2013: 1.15 Million

Post 2013: 1.348 Million

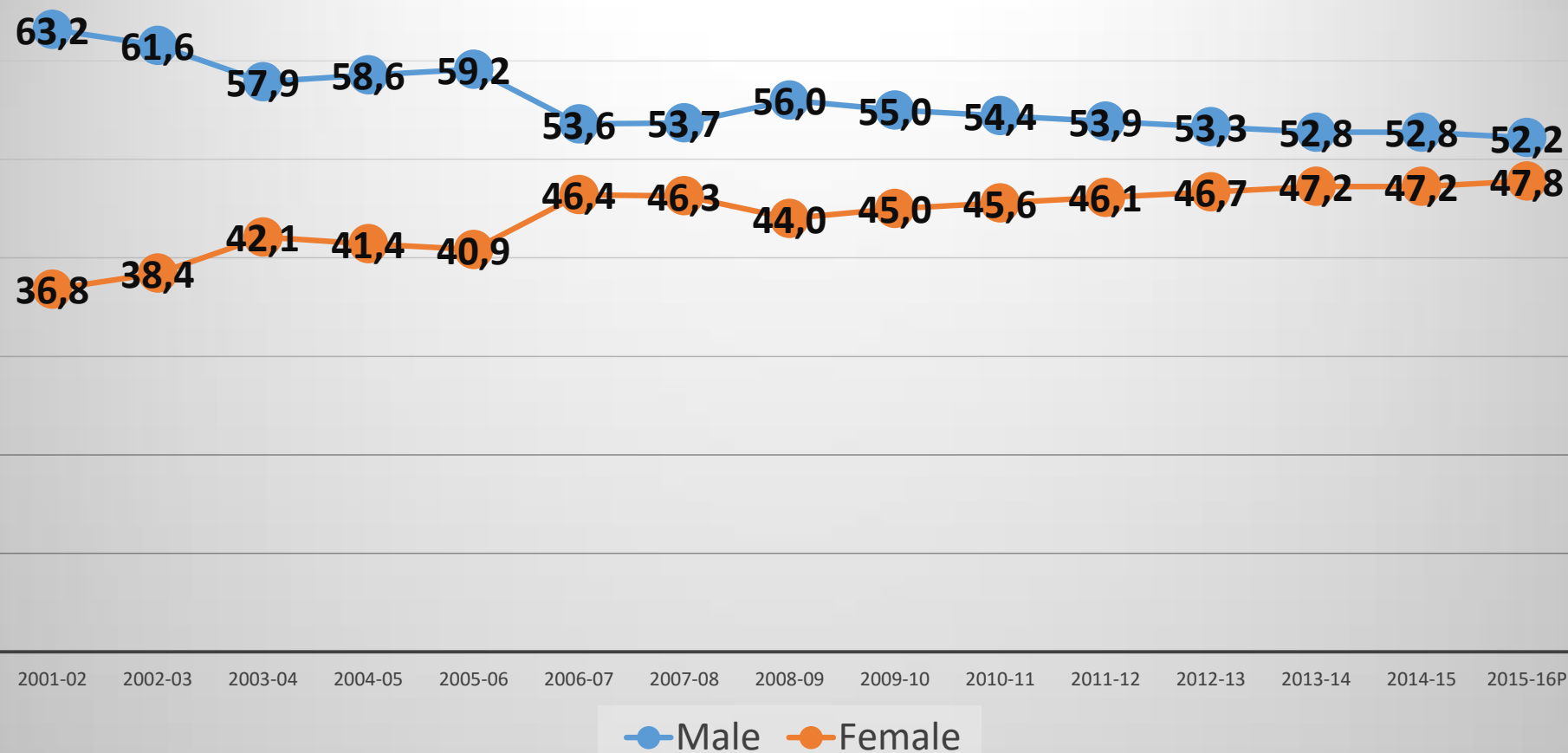
Increase in Students Enrollment in Last three Years

16.3%

Female Participation in Universities

47.8%

Gender Wise Enrollment



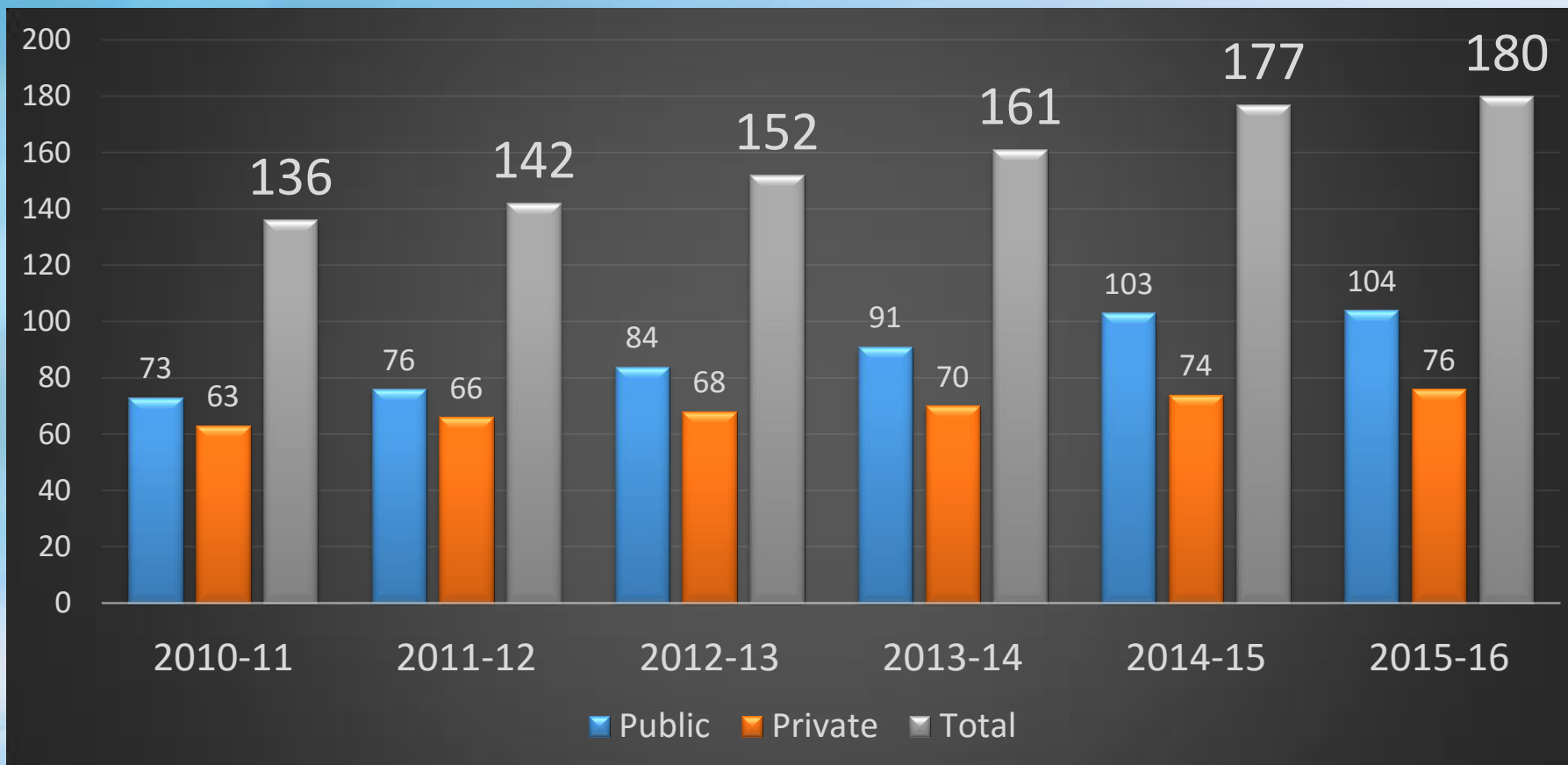
Female Enrollment in
HEI

612,300

Female Participation in
Universities

47.8%

Recognized Universities(2010-2016)



Increase in no of Higher institution from 2014-16

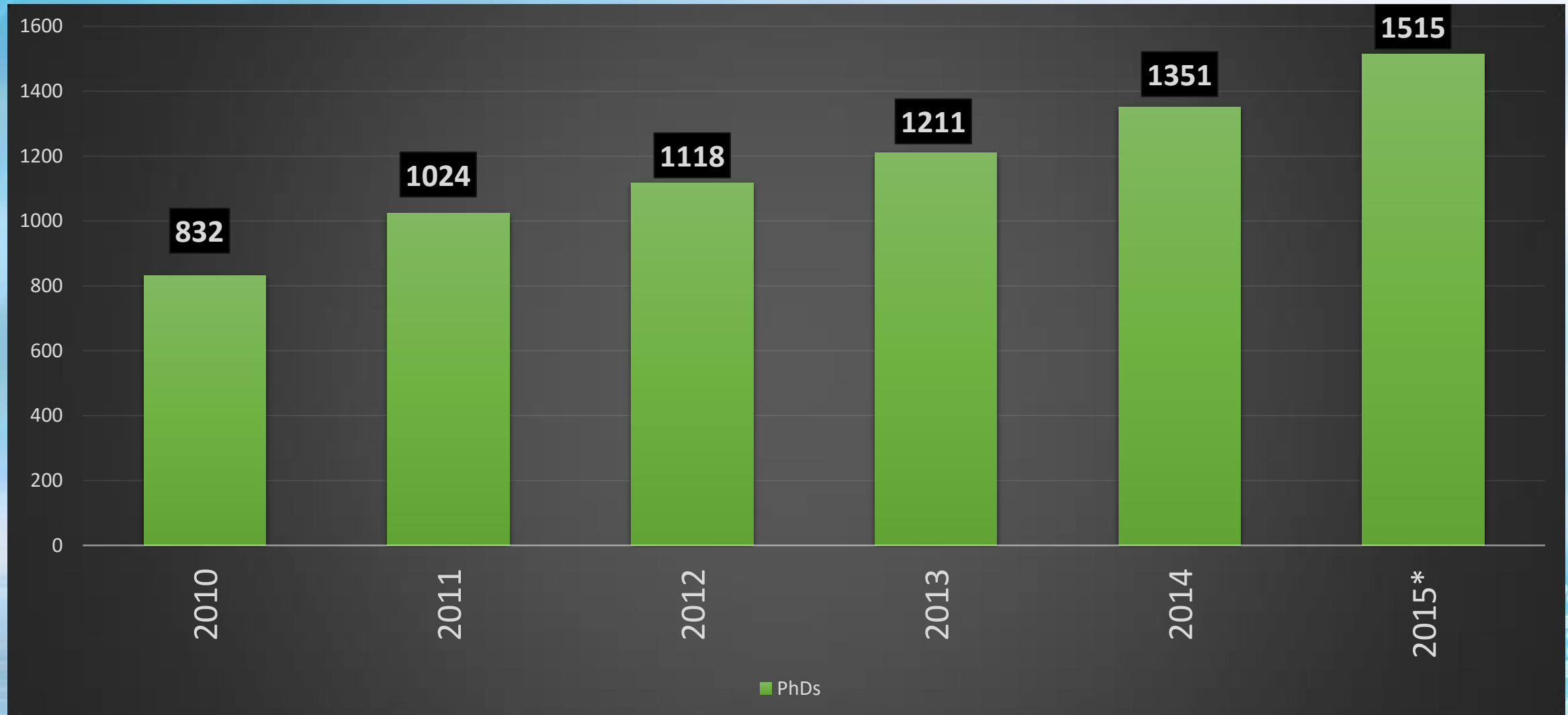
19

Planning to establish HEI or its campus in every district of Pakistan

Pre 2013: 152

Post-2013: 180

No. of PhDs Produced by Pakistani Universities/HEIs



* Data is being received and entered

Digital Library and Archives – Available to all HEIs across Provinces

Journal Listings



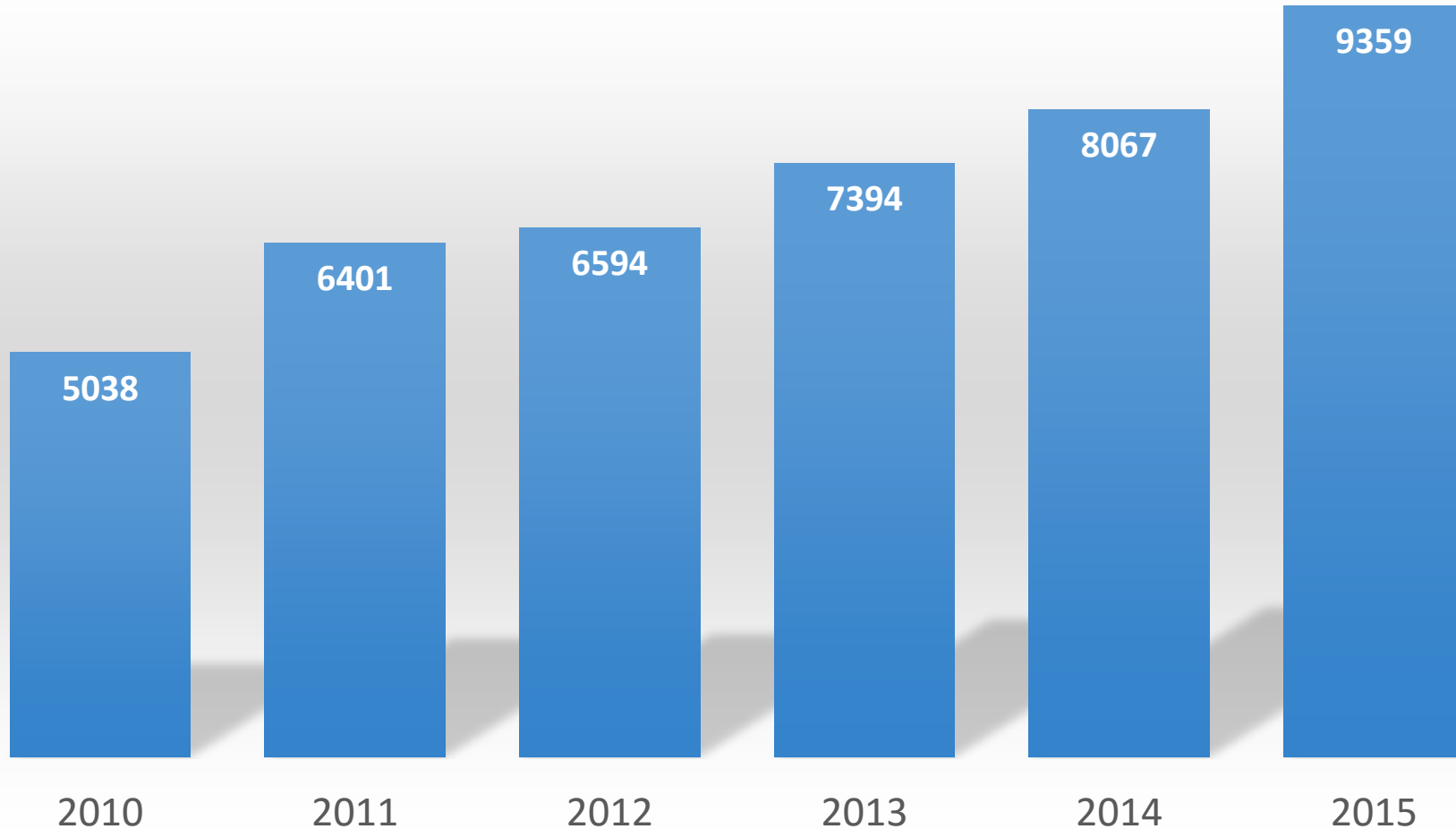
Association for Computing Machinery - ACM	Journal Listings
American Chemical Society - ACS	Journal Listings
Blackwell Synergy	Journal Listings
Cambridge University Press - CUP	Journal Listings
Ebsco Host (Academic Search™ Premier)	Journal Listings
Ebsco Host (Business Source® Premier)	Journal Listings
Electronic Library Information Navigator - ELIN (<i>for Member Institutions Only</i>)	Journal Listings
Elsevier (Science Direct)	Journal Listings
Institute of Electrical & Electronics Engineers - IEEE	Journal Listings
Institute of Physics - IOP	Journal Listings
JSTOR	Journal Listings
SpringerLink	Journal Listings



- E-Journals & E-Books
 - 2013: 70 K
 - 2015: 1.5 Million



Creating Knowledge through Research Publications



Increase in Research Publications

41%

Year	No of Publications
2010	5038
2011	6401
2012	6594
2013	7394
2014	8067
2015	9359

Creating Knowledge through Research Publications



— PAKISTAN: ANOTHER BRIC IN THE WALL

Pakistan vs BRIC countries – scientific influence
and citation impact report

Pakistan has emerged as a country with highest percentage of highly cited papers as compared to BRIC countries (Brazil, Russia, India and China). Citations are acknowledgments by the scientific community of useful findings and advances that add significantly to the ongoing research and its marketability.

THOMSON REUTERS

Source : <http://ip-science.interest.thomsonreuters.com/incites-pakistan/>

QS World Ranking-Asia

QS World Ranking of 10 leading Pakistani Higher Education Institutes

Lahore University of Management Sciences (LUMS), Lahore	111
National University of Sciences and Technology, Rawalpindi	112
Quaid-i-Azam University (QAU), Islamabad	149
Pakistan Institute of Engineering & Applied Sciences (PIEAS), Islamabad	149
Agha Khan University, Karachi	183
University of Karachi	201-210
University of Punjab	221-230
COMSATS Institute of Information Technology, Islamabad	231-240
University of Engineering & Technology, Lahore	241-250
University of Agriculture, Faisalabad	301-350

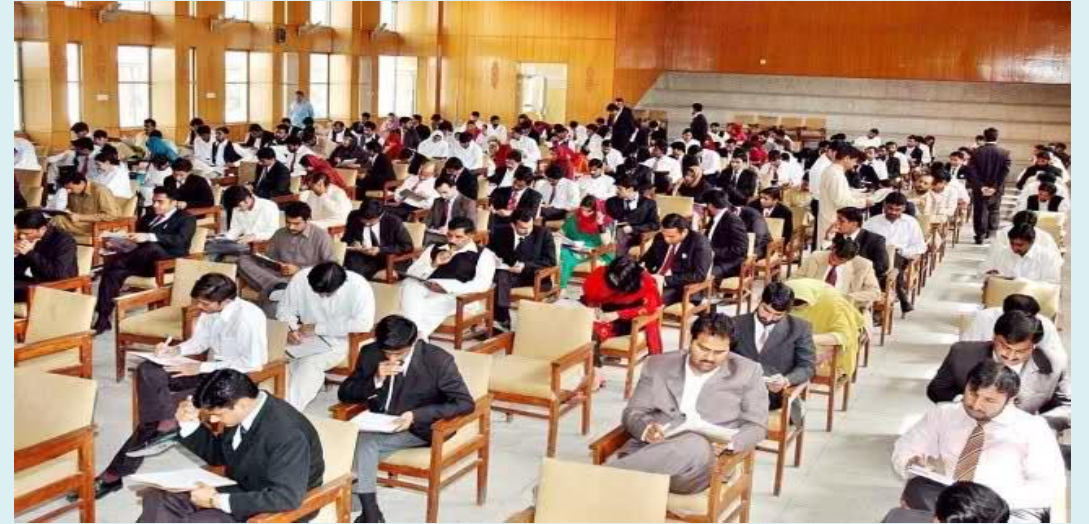


Higher Education Scientific Exchange Programme

**Memorandum of Understanding (MoU)
between Government of Hungary &
Government of Pakistan
December 2015**



History in Pictures



MOU signed between Hungary & Pakistan



MOU

- In December, 2015, MOU signed between Ministry of Human Capacities, Hungary & Higher Education Commission, Pakistan under “Higher Education and Scientific Exchange Program”.

Scholarships

- To grant bilateral scholarships between students of two countries.

Research

- To establish academic & research linkages between the Higher Education Institutions of the two countries (Hungary & Pakistan)

Research Focus

- Promotion of scientific relations between HEI's of two countries

Initiatives by Government of Hungary



2016-17

- Year-I, provision of 80 fully funded scholarships to Pakistani students

2017-18

- Year-II, Revised MOU was signed in 2017, Govt. of Hungary graciously enhanced no. of scholarships to 200 per annum for Pakistani students.



Batch Photos

Initiatives by HEC, Government of Pakistan



Scholarships

- Provision of 30 Fully funded Master's scholarships for two year's study at leading Pakistani institutes with zero semester for language course (Arabic, Urdu).

Scholarships

- One Hungarian student has completed his language diploma 2016-17 and currently would join studies in Feb, 2018.

Research

- Provision of initial funding for research collaboration in mutually selected fields between HEIs of two countries.

Summary of financial contribution by Government of Pakistan



- Government of Pakistan allocated PKR.31.500-million for Scholarships to Hungarian students study in Pakistan.
- Government of Pakistan allocated PKR. 41.891-million for research collaborations between both countries.

Stipendium Hungaricum Scholarships awarded to Pakistani students



Programme Wise Distribution

Year	Bachelor's	Master's	PhD	Total
2016-17	44	14	6	64
2017-18	117	30	6	153
Major Disciplines	Engg & Tech, Social Sciences, Physical Sciences, Biological sciences, Business	Engg. & Tech, Social Sciences, Physical Sciences, Biological Sciences	Engg. & Tech, Business, Agriculture, Physical sciences, Medical Sciences.	



“Good-practices related to the application cycle of the Sending Partner.”

Application and admission processes' of the Sending Partner in the frame of the Stipendium Hungaricum programme.



Demographic composition of Pakistan

- HEC regulates **188 Universities/ Degree Awarding institution (Public: 106 and Private: 71)**
- HEC has funded **more than 9000 overseas scholarships** abroad.
- Around **65% of Pakistan's population is under 17-25 years** i.e. 60 million youth.
- **Total Population: 207.775-million.**
- **Male. 106.449-million & female.101.315-million & Transgender:0.010418-million.**
- **Total : 188 (Public: 106 and Private: 71)**



Nomination Cycle of scholars



Advertisement

Approval for
Advertisement

Last week of November

Advertisement on HEC
website and national
Dailies country wide
1st week of December

Promotion through Social
Media i.e. HEC Facebook
page & Twitter Account
etc.

Specific disciplines
(Areas of study)

Application Closing Date 1st
week of January



Initial Data Scrutiny and Written Test

Extraction of Data from HEC
online portal

5057 candidates attempted
via online HEC portal

Candidates with complete
form submission considered
for test

Successful Applicant 4591

Category wise Higher
Aptitude Test for Candidates

PhD 1012

Master's 1701

Bachelor's 1878

Composition of HAT Test.

Verbal

Quantitative

Analytical Reasoning

Education Testing Council
conduct test across the
country 1st week of
February



Pre-Selection of Scholars

Result compilation
by ETC

Sorting of
Candidates in order
of Merit

Pre-selection of
Candidates for
Interview as 1:5

Approval of pre-
selected list from
competent authority

Constitution of
Interview panel
including subject
experts



Interview & Nomination

Comprehensive
Interview of each
Candidate by Panel

Preparation of list in
order of merit

Nominated Candidates
along with waiting list

Approval of
Nomination's including
waiting list from
competent authority

Nomination list shared
with partner
organization TPF.



HEC recommendations

Waiting List nomination
to be increased from
20% to 50 % atleast

Discipline based
customization of TPF
portal

6 months Cycle from
December to June

Less no of PhD
scholarships /PhD
faculty ratio

Increase in PhD
Scholarships

Scholarship Slots
PhD 50
Master's 50
Bachelor's 100

Way Forward to implement MoU



- Promotion material be shared with TPF, relevant Ministries and Diplomatic channels of two countries to **advertise Pakistani scholarships for Hungarian students to study in Pakistan.**
- Recognition of each other's degree programme's, matters of attestation, equivalence, accreditation etc.
- Visit of academia/experts of two countries for research collaborations.
- Implementation of joint research projects between specified institutions of both countries.

Thank
You

