

**HIGHER EDUCATION COMMISSION  
H9, ISLAMABAD  
RESEARCH & DEVELOPMENT DIVISION**

**ORIC SELF ASSESSMENT SCORECARD  
REPORTS VALIDATION  
FY 2018-19**



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## INTRODUCTION:

Higher Education Commission Pakistan in its pursuit to development of knowledge economy based on research & development lead innovation and commercialization culture, started its flagship program for establishment of Offices of Research Innovation & Commercialization. So far, HEC has established and notified 69 ORICs across different HEIs of Pakistan. The yearly performance of these ORICs is measured through self-assessment Scorecard which is duly filled and shared by the ORICs for performance evaluation and management. For FY 2018-19, the exercise for Self-Assessment Scorecards was also carried out with following details:

<b>Total Number of ORICs Notified</b>	<b>69</b>
<b>ORICs with Self-Assessment Scorecard Report</b>	<b>66</b>
<b>Newly-Notified ORICs</b>	<b>03</b>

Parameters and Scoring of ORICs:

<b>Sr. No.</b>	<b>Key Performance Indicator</b>	<b>Score Assigned</b>
<b>01</b>	Work Environment and Human Resource	10
<b>02</b>	Research Support	40
<b>03</b>	Capacity Building	15
<b>04</b>	Commercialization of Research	35
<b>Total</b>		<b>100</b>

Ranking Criteria:

<b>Category</b>	<b>Score</b>	<b>Performance Scale</b>
<b>W</b>	75 and above	Top Performer
<b>X</b>	60 – 74	Satisfactory Performer
<b>Y</b>	40 – 59	Below Average
<b>Z</b>	1 – 39	Poor Performer

## METHODOLOGY:

HEC R&D Division initiated the process of gathering Self-Assessment Scorecards from Notified ORICs in July 2019. HEC R&D Division exercised continuous follow-ups with the ORICs and complete ORIC Scorecards were received in hard-form by August 2020.

For the purpose of validation, the claimed Scores by ORICs in their submitted Self-Assessment Scorecard were validated through following main parameters:

- The mandatory HR Strength of the ORIC validated through documentary evidences
- Research Support as claimed in ORIC Scorecard validated through available research proposal award letters, MoUs citing research linkages, contract research agreements, active ORIC websites, etc.
- Commercialization of Research as claimed in ORIC Scorecard validated through documentary evidences such as IP / Research Policy Status (draft or approved policy), MoUs with industries / chambers citing industrial linkages, Patents – filed and granted, and entrepreneurial activities through Incubation Center.
- Activities validated for the reporting period, i.e. FY 2018-19.

The ORICs consolidated and individual summarized report is enclosed in the following phases (in alphabetical order of the name of University).

## CONSOLIDATED BRIEF SUMMARY:

Sr. No.	Name of University	Work Environment & HR		Research Support		Capacity Building		Commercialization of Research		Score		Category	
		Claimed	Validated	Claimed	Validated	Claimed	Validated	Claimed	Validated	Claimed	Validated	Claimed	Validated
01	Abdul Wali Khan University, Mardan	10	10	23	13	19	13	08	08	60	44	X	Y
02	Aga Khan University, Karachi	10	10	38	38	15	15	15	15	78	78	W	W
03	Air University, Islamabad	10	10	37	20	20	20	22	05	89	55	W	Y
04	Bahria University, Islamabad	10	10	34	34	20	20	23	23	87	87	W	W
05	Baluchistan University of IT & Management Sciences (BUIITMS)	10	10	21	11	20	20	20	16	71	56	X	Y
06	CECOS University of IT & Emerging Sciences, Peshawar	10	09	26	21	20	20	17	16	72	66	X	X
07	COMSATS University Islamabad	10	10	36	36	19	19	35	35	95	95	W	W
08	DOW University of Health Sciences, Karachi	10	07	22	12	13	13	17	12	62	51	X	Y
09	Fatima Jinnah Women University, Rawalpindi	07	07	19	12	20	20	15	12	61	51	X	Y
10	Forman Christian College University, Lahore	10	10	32	21	12	10	08	06	62	47	X	Y
11	Foundation University, Islamabad	10	10	30	23	20	20	17	17	77	70	W	X
12	Gomal University, Dera Ismail Khan	08	07	17	05	14	06	07	02	46	20	Y	Z
13	Government College Women University, Sialkot	10	06	11	09	20	17	05	02	46	34	Y	Z
14	Government College University, Faisalabad	10	08	25	19	12	11	21	19	68	57	X	Y
15	Greenwich University Karachi	10	10	31	12	18	07	10	08	69	37	X	Z
16	Institute of Business Administration, Karachi	08	08	18	05	12	12	15	-	53	28	Y	Z
17	Institute of Business Management, Karachi	10	10	19	12	16	16	15	13	60	51	X	Y

18	Institute of Management Sciences, Peshawar	06	03	26	17	19	19	11	11	62	50	X	Y
19	Institute of Space Technology, Islamabad	10	10	37	31	20	17	23	23	90	80	W	W
20	International Islamic University, Islamabad	09	09	18	17	18	18	16	16	61	60	X	X
21	Iqra University, Karachi	10	10	40	08	17	17	25	21	92	56	W	Y
22	Islamia College University, Peshawar	10	10	22	18	20	20	04	04	56	52	Y	Y
23	ISRA University, Hyderabad	10	10	23	02	20	20	16	12	69	44	X	Y
24	Jinnah University for Women, Karachi	10	10	23	12	20	20	23	19	76	61	W	X
25	KASB Institute of Technology	10	10	14	03	12	08	02	01	38	22	Z	Z
26	Khyber Medical University, Peshawar	09	08	38	14	16	16	15	09	78	47	W	Y
27	Kinnaird College for Women University, Lahore	10	10	17	17	19	19	02	02	47	47	Y	Y
28	Lahore College for Women University, Lahore	07	07	29	18	20	20	18	14	74	59	X	Y
29	Lahore Garrison University	10	10	29	23	20	18	17	08	76	59	W	Y
30	Lahore University of Management Sciences (LUMS)	10	10	40	40	19	19	21	20	90	89	W	W
31	Mehran University of Engineering & Technology, Jamshoro	10	09	29	18	19	16	21	17	79	60	W	X
32	Mirpur University of Science & Technology (MUST)	10	10	28	22	20	16	21	19	79	67	W	X
33	Muhammad Ali Jinnah University, Karachi	10	05	22	18	20	17	12	10	64	50	X	Y
34	National Textile University, Faisalabad	10	10	36	30	15	15	22	22	83	77	W	W
35	National University of Medical Sciences, Rawalpindi (NUMS)	10	10	29	26	11	11	03	03	53	50	Y	Y
36	National University of Modern Languages (NUML)	09	09	24	13	16	16	17	17	66	55	X	Y
37	National University of Science & Technology	10	10	40	40	20	20	30	30	100	100	W	W



38	NED University of Engineering & Technology, Karachi	06	06	38	34	20	20	16	16	80	76	W	W
39	NUR International University, Lahore	06	-	04	-	05	-	-	-	15	-	Z	Z
40	Pakistan Institute of Development Economics, Islamabad (PIDE)	09	08	36	15	17	17	06	04	68	44	X	Y
41	Pakistan Institute of Engineering & Applied Sciences, Islamabad (PIEAS)	09	09	27	04	15	15	17	07	68	35	X	Z
42	PMAS Arid Agriculture University, Rawalpindi	07	05	25	19	17	17	11	06	60	47	X	Y
43	Quaid-e-Azam University, Islamabad	08	07	33	26	18	18	17	14	76	65	W	X
44	Riphah International University, Islamabad	10	10	28	23	20	20	13	09	71	62	X	X
45	Sarhad University of Science & IT, Peshawar (SUSIT)	10	10	14	03	14	09	-	-	40	22	Y	Z
46	Shaheed Benazir Bhutto University, Shaheed Benazirabad	08	08	15	05	20	20	08	-	51	33	Y	Z
47	Shaheed Benazir Bhutto Women University, Peshawar	10	10	25	10	17	12	12	02	64	34	X	Z
48	Sindh Agriculture University, Tandojam	10	10	37	21	19	19	12	08	78	58	W	Y
49	Sindh Madrassa-tul-Islam University, Karachi	09	08	26	14	17	15	17	13	69	50	X	Y
50	Sukkur Institute of Business Administration, Sukkur	10	10	32	25	20	20	17	17	79	72	W	X
51	The University of Faisalabad	10	10	25	19	20	20	17	13	71	62	X	X
52	The University of Lahore	10	10	24	18	20	20	18	18	72	66	X	X
53	University of Agriculture, Faisalabad	10	10	40	32	20	17	28	25	98	84	W	W
54	University of Education, Lahore	10	10	28	12	14	14	08	-	60	36	X	Z
55	University of Engineering & Technology (UETL), Lahore	10	09	30	24	17	17	21	21	78	71	W	X
56	University of Engineering & Technology, Peshawar	10	09	40	30	20	19	19	17	89	75	W	W
57	University of Gujrat	09	09	28	22	12	12	19	15	68	58	X	Y
58	University of Haripur	10	07	15	12	20	20	22	17	67	56	X	Y

59	University of Karachi	07	07	32	20	20	20	13	13	72	60	X	Y
60	University of Malakand, Chakdara Dir	08	08	19	11	12	11	17	09	56	39	Y	Z
61	University of Management & Technology, Lahore	10	10	33	26	20	20	17	14	80	70	W	X
62	University of Peshawar	08	06	22	13	20	20	09	07	59	46	Y	Y
63	University of Sargodha	09	09	26	13	17	14	17	17	69	53	X	Y
64	University of the Punjab Lahore	09	09	29	23	16	16	21	06	75	54	W	Y
65	University of Veterinary & Animal Sciences	09	07	34	26	18	16	21	15	82	64	W	X
66	University of Wah	10	10	32	09	16	04	13	05	71	28	X	Z

#### Self-Assessed Category Wise ORICs

Category	No. of ORICs
<b>W</b>	25
<b>X</b>	29
<b>Y</b>	10
<b>Z</b>	02

#### HEC-Validated Category Wise ORICs

Category Validated	No. of ORICs
<b>W</b>	10
<b>X</b>	14
<b>Y</b>	29
<b>Z</b>	13

## Abdul Wali Khan University, Mardan:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	YES
Score Claimed	10
Score Validated	10

### Research Support main KPIs:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	29
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	03
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	23
Score Validated	13

### Research Commercialization main KPIs:

Research / IP / Commercialization Policy Status	Draft
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	08
Score Validated	08

<b>Total Score Claimed</b>	<b>60</b>
<b>Total Score Validated</b>	<b>44</b>
<b>Category Validated</b>	<b>Y</b>

## Aga Khan University, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	41
Total Number of Joint Research Project Approved	16
Research Links Established with other HEIs (National / International)	13
Contract Research Approved	07
Centralized Database and Webpage	Yes

Score Claimed	38
Score Validated	38

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	02
Patents Filed	06
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	15
Score Validated	15

<b>Total Score Claimed</b>	<b>78</b>
<b>Total Score Validated</b>	<b>78</b>
<b>Category Validated</b>	<b>W</b>

## Air University, Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	20
Total Number of Joint Research Project Approved	11
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	08
Centralized Database and Webpage	No

Score Claimed	37
Score Validated	20

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	22
Score Validated	05

<b>Total Score Claimed</b>	<b>89</b>
<b>Total Score Validated</b>	<b>55</b>
<b>Category Validated</b>	<b>Y</b>

## Bahria University, Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	20
Total Number of Joint Research Project Approved	10
Research Links Established with other HEIs (National / International)	12
Contract Research Approved	08
Centralized Database and Webpage	Yes

Score Claimed	34
Score Validated	34

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	07
Patents Filed	09
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	10
Patent Licensed / MTA / NDA	-

Score Claimed	23
Score Validated	23

<b>Total Score Claimed</b>	<b>87</b>
<b>Total Score Validated</b>	<b>87</b>
<b>Category Validated</b>	<b>W</b>

## Baluchistan University of IT & Management Sciences (BUI-TMS):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	10
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	06
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	21
Score Validated	11

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	20
Score Validated	16

<b>Total Score Claimed</b>	<b>71</b>
<b>Total Score Validated</b>	<b>56</b>
<b>Category Validated</b>	<b>Y</b>

## CECOS University of IT & Emerging Sciences, Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	11
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	02
Contract Research Approved	01
Centralized Database and Webpage	Yes

Score Claimed	26
Score Validated	21

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	01
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	03
Patent Licensed / MTA / NDA	01

Score Claimed	17
Score Validated	16

<b>Total Score Claimed</b>	<b>72</b>
<b>Total Score Validated</b>	<b>66</b>
<b>Category Validated</b>	<b>X</b>



## COMSATS University Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	170
Total Number of Joint Research Project Approved	24
Research Links Established with other HEIs (National / International)	19
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	36
Score Validated	36

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	08
Patents Filed	14
Patents Granted	06
Research gone into Pre-feasibility / Prototype Development	09
Patent Licensed / MTA / NDA	08

Score Claimed	35
Score Validated	35

<b>Total Score Claimed</b>	<b>95</b>
<b>Total Score Validated</b>	<b>95</b>
<b>Category Validated</b>	<b>W</b>

## DOW University of Health Sciences, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In complete
Score Claimed	10
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	28
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	03
Contract Research Approved	-
Centralized Database and Webpage	No

Score Claimed	22
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	04
Patents Filed	-
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	12

<b>Total Score Claimed</b>	<b>62</b>
<b>Total Score Validated</b>	<b>51</b>
<b>Category Validated</b>	<b>Y</b>

## Fatima Jinnah Women University, Rawalpindi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In complete
Score Claimed	07
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	11
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	09
Contract Research Approved	-
Centralized Database and Webpage	No

Score Claimed	19
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	15
Score Validated	12

<b>Total Score Claimed</b>	<b>61</b>
<b>Total Score Validated</b>	<b>51</b>
<b>Category Validated</b>	<b>Y</b>

## Forman Christian College University, Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	10
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	18
Contract Research Approved	03
Centralized Database and Webpage	Basic

Score Claimed	32
Score Validated	21

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	01

Score Claimed	08
Score Validated	06

<b>Total Score Claimed</b>	<b>62</b>
<b>Total Score Validated</b>	<b>47</b>
<b>Category Validated</b>	<b>Y</b>

## Foundation University, Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	24
Total Number of Joint Research Project Approved	06
Research Links Established with other HEIs (National / International)	10
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	30
Score Validated	23

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	07
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	06
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	17

<b>Total Score Claimed</b>	<b>77</b>
<b>Total Score Validated</b>	<b>70</b>
<b>Category Validated</b>	<b>X</b>

## Gomal University, Dera Ismail Khan:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In complete
Score Claimed	08
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	04
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	17
Score Validated	05

### Research Commercialization:

Research / IP / Commercialization Policy	In process
Links Established with Industrial & Corporate Sector	02
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	07
Score Validated	02

<b>Total Score Claimed</b>	<b>46</b>
<b>Total Score Validated</b>	<b>20</b>
<b>Category Validated</b>	<b>2</b>

## Government College Women University, Sialkot:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Incomplete
Score Claimed	10
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	02
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	11
Score Validated	09

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	05
Score Validated	02

<b>Total Score Claimed</b>	<b>46</b>
<b>Total Score Validated</b>	<b>34</b>
<b>Category Validated</b>	<b>2</b>

## Government College University, Faisalabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In complete
Score Claimed	10
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	67
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	12
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	25
Score Validated	19

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	07
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	19

<b>Total Score Claimed</b>	<b>68</b>
<b>Total Score Validated</b>	<b>57</b>
<b>Category Validated</b>	<b>Y</b>



## Greenwich University Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	11
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	31
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	04
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	10
Score Validated	08

<b>Total Score Claimed</b>	<b>69</b>
<b>Total Score Validated</b>	<b>37</b>
<b>Category Validated</b>	<b>2</b>

## Institute of Business Administration, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In complete
Score Claimed	08
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	03
Total Number of Joint Research Project Approved	03
Research Links Established with other HEIs (National / International)	01
Contract Research Approved	01
Centralized Database and Webpage	Basic

Score Claimed	18
Score Validated	05

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	15
Score Validated	-

<b>Total Score Claimed</b>	<b>53</b>
<b>Total Score Validated</b>	<b>28</b>
<b>Category Validated</b>	<b>2</b>

## Institute of Business Management, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	14
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	19
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	29
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	02
Patent Licensed / MTA / NDA	-

Score Claimed	15
Score Validated	13

<b>Total Score Claimed</b>	<b>60</b>
<b>Total Score Validated</b>	<b>51</b>
<b>Category Validated</b>	<b>Y</b>

## Institute of Management Sciences, Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	06
Score Validated	03

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	07
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	04
Centralized Database and Webpage	Basic

Score Claimed	26
Score Validated	17

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	11
Score Validated	11*

<b>Total Score Claimed</b>	<b>62</b>
<b>Total Score Validated</b>	<b>50</b>
<b>Category Validated</b>	<b>Y</b>

\*Scores validated from KPIs related to Incubation Center

## Institute of Space Technology, Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	23
Total Number of Joint Research Project Approved	11
Research Links Established with other HEIs (National / International)	10
Contract Research Approved	06
Centralized Database and Webpage	Basic

Score Claimed	37
Score Validated	31

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	14
Patents Filed	23
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	05
Patent Licensed / MTA / NDA	-

Score Claimed	23
Score Validated	23

<b>Total Score Claimed</b>	<b>90</b>
<b>Total Score Validated</b>	<b>80</b>
<b>Category Validated</b>	<b>W</b>

## International Islamic University, Islamabad

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	09
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	13
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	09
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	18
Score Validated	17

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	-
Patents Filed	01
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	17
Patent Licensed / MTA / NDA	-

Score Claimed	16
Score Validated	16

<b>Total Score Claimed</b>	<b>61</b>
<b>Total Score Validated</b>	<b>60</b>
<b>Category Validated</b>	<b>X</b>

## Iqra University, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	04
Contract Research Approved	05
Centralized Database and Webpage	Basic

Score Claimed	40
Score Validated	08

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	11
Patents Filed	04
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	25
Score Validated	21

<b>Total Score Claimed</b>	<b>92</b>
<b>Total Score Validated</b>	<b>56</b>
<b>Category Validated</b>	<b>Y</b>

## Islamia College University, Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	15
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	02
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	22
Score Validated	18

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	02
Patents Filed	-
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	04
Score Validated	04

<b>Total Score Claimed</b>	<b>56</b>
<b>Total Score Validated</b>	<b>52</b>
<b>Category Validated</b>	<b>Y</b>



## ISRA University, Hyderabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	23
Score Validated	02

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	16
Score Validated	12

<b>Total Score Claimed</b>	<b>69</b>
<b>Total Score Validated</b>	<b>44</b>
<b>Category Validated</b>	<b>Y</b>

## Jinnah University for Women, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	10
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	13
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	23
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	19
Patents Filed	05
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	02

Score Claimed	23
Score Validated	19

<b>Total Score Claimed</b>	<b>76</b>
<b>Total Score Validated</b>	<b>61</b>
<b>Category Validated</b>	<b>X</b>

## KASB Institute of Technology:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	02
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	14
Score Validated	03

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	02
Score Validated	01

<b>Total Score Claimed</b>	<b>38</b>
<b>Total Score Validated</b>	<b>22</b>
<b>Category Validated</b>	<b>2</b>

## Khyber Medical University, Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	09
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	04
Research Links Established with other HEIs (National / International)	17
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	38
Score Validated	14

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	01
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	15
Score Validated	09

<b>Total Score Claimed</b>	<b>78</b>
<b>Total Score Validated</b>	<b>47</b>
<b>Category Validated</b>	<b>Y</b>

## Kinnaird College for Women University, Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	01
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	09
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	17
Score Validated	17

### Research Commercialization:

Research / IP / Commercialization Policy	In Process
Links Established with Industrial & Corporate Sector	02
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	02
Score Validated	02

<b>Total Score Claimed</b>	<b>47</b>
<b>Total Score Validated</b>	<b>47</b>
<b>Category Validated</b>	<b>Y</b>

## Lahore College for Women University, Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	07
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	15
Total Number of Joint Research Project Approved	06
Research Links Established with other HEIs (National / International)	21
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	29
Score Validated	18

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	09
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	18
Score Validated	14

<b>Total Score Claimed</b>	<b>74</b>
<b>Total Score Validated</b>	<b>59</b>
<b>Category Validated</b>	<b>Y</b>

## Lahore Garrison University:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	11
Total Number of Joint Research Project Approved	06
Research Links Established with other HEIs (National / International)	10
Contract Research Approved	05
Centralized Database and Webpage	Basic

Score Claimed	29
Score Validated	23

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	06
Patents Filed	02
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	03
Patent Licensed / MTA / NDA	01

Score Claimed	17
Score Validated	08

<b>Total Score Claimed</b>	<b>76</b>
<b>Total Score Validated</b>	<b>59</b>
<b>Category Validated</b>	<b>Y</b>

## Lahore University of Management Sciences (LUMS):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	37
Total Number of Joint Research Project Approved	15
Research Links Established with other HEIs (National / International)	16
Contract Research Approved	06
Centralized Database and Webpage	Yes

Score Claimed	40
Score Validated	40

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	06
Patents Filed	04
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	20

<b>Total Score Claimed</b>	<b>90</b>
<b>Total Score Validated</b>	<b>89</b>
<b>Category Validated</b>	<b>W</b>



## Mehran University of Engineering & Technology, Jamshoro:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	04
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	20
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	29
Score Validated	18

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	31
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	17

<b>Total Score Claimed</b>	<b>79</b>
<b>Total Score Validated</b>	<b>60</b>
<b>Category Validated</b>	<b>X</b>

## Mirpur University of Science & Technology (MUST):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	32
Total Number of Joint Research Project Approved	05
Research Links Established with other HEIs (National / International)	09
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	28
Score Validated	22

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	06
Patents Filed	07
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	03
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	19

<b>Total Score Claimed</b>	<b>79</b>
<b>Total Score Validated</b>	<b>67</b>
<b>Category Validated</b>	<b>X</b>

## Muhammad Ali Jinnah University, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In complete
Score Claimed	10
Score Validated	05

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	01
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	08
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	22
Score Validated	18

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	02
Patents Filed	01
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	12
Score Validated	10

<b>Total Score Claimed</b>	<b>64</b>
<b>Total Score Validated</b>	<b>50</b>
<b>Category Validated</b>	<b>Y</b>

## National Textile University, Faisalabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	21
Total Number of Joint Research Project Approved	08
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	06
Centralized Database and Webpage	Yes

Score Claimed	36
Score Validated	30

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	08
Patents Filed	03
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	04
Patent Licensed / MTA / NDA	01

Score Claimed	22
Score Validated	22

<b>Total Score Claimed</b>	<b>83</b>
<b>Total Score Validated</b>	<b>77</b>
<b>Category Validated</b>	<b>W</b>

## National University of Medical Sciences, Rawalpindi (NUMS):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	36
Total Number of Joint Research Project Approved	10
Research Links Established with other HEIs (National / International)	04
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	29
Score Validated	26

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	03
Score Validated	03

<b>Total Score Claimed</b>	<b>53</b>
<b>Total Score Validated</b>	<b>50</b>
<b>Category Validated</b>	<b>Y</b>

## National University of Modern Languages (NUML):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	03
Contract Research Approved	01
Centralized Database and Webpage	Basic

Score Claimed	24
Score Validated	13

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	02
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	05
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	17

<b>Total Score Claimed</b>	<b>66</b>
<b>Total Score Validated</b>	<b>55</b>
<b>Category Validated</b>	<b>Y</b>

## National University of Science & Technology:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	105
Total Number of Joint Research Project Approved	42
Research Links Established with other HEIs (National / International)	27
Contract Research Approved	107
Centralized Database and Webpage	Yes

Score Claimed	40
Score Validated	40

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	17
Patents Filed	154
Patents Granted	54
Research gone into Pre-feasibility / Prototype Development	08
Patent Licensed / MTA / NDA	04

Score Claimed	30
Score Validated	30

<b>Total Score Claimed</b>	<b>100</b>
<b>Total Score Validated</b>	<b>100</b>
<b>Category Validated</b>	<b>W</b>

## NED University of Engineering & Technology, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	06
Score Validated	06

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	78
Total Number of Joint Research Project Approved	11
Research Links Established with other HEIs (National / International)	20
Contract Research Approved	06
Centralized Database and Webpage	Basic

Score Claimed	38
Score Validated	34

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	06
Patents Filed	03
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	01
Patent Licensed / MTA / NDA	-

Score Claimed	16
Score Validated	16

<b>Total Score Claimed</b>	<b>80</b>
<b>Total Score Validated</b>	<b>76</b>
<b>Category Validated</b>	<b>W</b>



## NUR International University, Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	06
Score Validated	-

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	

Score Claimed	04
Score Validated	-

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	-
Score Validated	-

<b>Total Score Claimed</b>	<b>15</b>
<b>Total Score Validated</b>	-
<b>Category Validated</b>	-

## Pakistan Institute of Development Economics, Islamabad (PIDE):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	09
Total Number of Joint Research Project Approved	06
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	04
Centralized Database and Webpage	Basic

Score Claimed	36
Score Validated	15

### Research Commercialization:

Research / IP / Commercialization Policy	In Process
Links Established with Industrial & Corporate Sector	08
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	06
Score Validated	04

<b>Total Score Claimed</b>	<b>68</b>
<b>Total Score Validated</b>	<b>44</b>
<b>Category Validated</b>	<b>Y</b>

## Pakistan Institute of Engineering & Applied Sciences, Islamabad (PIEAS):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	09

### Research Support:\*

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	15
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	27
Score Validated	04

### Research Commercialization:\*

Research / IP / Commercialization Policy	In Process
Links Established with Industrial & Corporate Sector	04
Patents Filed	01
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	07

<b>Total Score Claimed</b>	<b>68</b>
<b>Total Score Validated</b>	<b>35</b>
<b>Category Validated</b>	<b>2</b>

\*Claimed scores are without documentary evidences or proofs.

## PMAS Arid Agriculture University, Rawalpindi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	07
Score Validated	05

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	18
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	06
Contract Research Approved	06
Centralized Database and Webpage	Basic

Score Claimed	25
Score Validated	19

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	11
Score Validated	06

<b>Total Score Claimed</b>	<b>60</b>
<b>Total Score Validated</b>	<b>47</b>
<b>Category Validated</b>	<b>Y</b>

## Quaid-e-Azam University, Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	08
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	22
Total Number of Joint Research Project Approved	07
Research Links Established with other HEIs (National / International)	13
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	33
Score Validated	26

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	14

<b>Total Score Claimed</b>	<b>76</b>
<b>Total Score Validated</b>	<b>65</b>
<b>Category Validated</b>	<b>X</b>

## Riphah International University, Islamabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	48
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	28
Score Validated	23

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	07
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	13
Score Validated	09

<b>Total Score Claimed</b>	<b>71</b>
<b>Total Score Validated</b>	<b>62</b>
<b>Category Validated</b>	<b>X</b>

## Sarhad University of Science & IT, Peshawar (SUSIT):

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	14
Score Validated	03

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	02
Score Validated	-

<b>Total Score Claimed</b>	<b>40</b>
<b>Total Score Validated</b>	<b>22</b>
<b>Category Validated</b>	<b>Z</b>

## Shaheed Benazir Bhutto University, Shaheed Benazirabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	08
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	15
Score Validated	05

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	08
Score Validated	-

<b>Total Score Claimed</b>	<b>51</b>
<b>Total Score Validated</b>	<b>33</b>
<b>Category Validated</b>	<b>2</b>



## Shaheed Benazir Bhutto Women University, Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	08
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	04
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	25
Score Validated	10

### Research Commercialization:

Research / IP / Commercialization Policy	In process
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	12
Score Validated	02

<b>Total Score Claimed</b>	<b>64</b>
<b>Total Score Validated</b>	<b>34</b>
<b>Category Validated</b>	<b>2</b>

## Sindh Agriculture University, Tandojam:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	22
Total Number of Joint Research Project Approved	08
Research Links Established with other HEIs (National / International)	08
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	37
Score Validated	21

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	04
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	12
Score Validated	08

<b>Total Score Claimed</b>	<b>78</b>
<b>Total Score Validated</b>	<b>58</b>
<b>Category Validated</b>	<b>Y</b>

## Sindh Madrassa-tul-Islam University, Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	07
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	-
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	26
Score Validated	14

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	06
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	13

<b>Total Score Claimed</b>	<b>69</b>
<b>Total Score Validated</b>	<b>50</b>
<b>Category Validated</b>	<b>Y</b>

## Sukkur Institute of Business Administration, Sukkur

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	15
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	08
Contract Research Approved	01
Centralized Database and Webpage	Basic

Score Claimed	32
Score Validated	25

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	10
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	17

<b>Total Score Claimed</b>	<b>79</b>
<b>Total Score Validated</b>	<b>72</b>
<b>Category Validated</b>	<b>X</b>

## The University of Faisalabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	10
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	02
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	25
Score Validated	19

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	07
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	11
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	13

<b>Total Score Claimed</b>	<b>71</b>
<b>Total Score Validated</b>	<b>62</b>
<b>Category Validated</b>	<b>X</b>

## The University of Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	14
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	09
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	24
Score Validated	18

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	18
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	03
Patent Licensed / MTA / NDA	-

Score Claimed	18
Score Validated	18

<b>Total Score Claimed</b>	<b>72</b>
<b>Total Score Validated</b>	<b>66</b>
<b>Category Validated</b>	<b>X</b>

## University of Agriculture, Faisalabad:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	403
Total Number of Joint Research Project Approved	08
Research Links Established with other HEIs (National / International)	20
Contract Research Approved	05
Centralized Database and Webpage	Yes

Score Claimed	40
Score Validated	32

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	09
Patents Granted	04
Research gone into Pre-feasibility / Prototype Development	13
Patent Licensed / MTA / NDA	03

Score Claimed	28
Score Validated	25

<b>Total Score Claimed</b>	<b>98</b>
<b>Total Score Validated</b>	<b>84</b>
<b>Category Validated</b>	<b>W</b>

## University of Education, Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	14
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	28
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	08
Score Validated	-

<b>Total Score Claimed</b>	<b>60</b>
<b>Total Score Validated</b>	<b>36</b>
<b>Category Validated</b>	<b>Z</b>



## University of Engineering & Technology (UETL), Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	55
Total Number of Joint Research Project Approved	04
Research Links Established with other HEIs (National / International)	10
Contract Research Approved	-
Centralized Database and Webpage	Yes

Score Claimed	30
Score Validated	24

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	06
Patents Filed	02
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	04
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	21

<b>Total Score Claimed</b>	<b>78</b>
<b>Total Score Validated</b>	<b>71</b>
<b>Category Validated</b>	<b>X</b>

## University of Engineering & Technology, Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	42
Total Number of Joint Research Project Approved	22
Research Links Established with other HEIs (National / International)	18
Contract Research Approved	17
Centralized Database and Webpage	Yes

Score Claimed	40
Score Validated	30

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	12
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	02
Patent Licensed / MTA / NDA	-

Score Claimed	19
Score Validated	17

<b>Total Score Claimed</b>	<b>89</b>
<b>Total Score Validated</b>	<b>75</b>
<b>Category Validated</b>	<b>W</b>

## University of Gujrat:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	24
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	01
Centralized Database and Webpage	Basic

Score Claimed	28
Score Validated	22

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	19
Score Validated	15

<b>Total Score Claimed</b>	<b>68</b>
<b>Total Score Validated</b>	<b>58</b>
<b>Category Validated</b>	<b>Y</b>

## University of Haripur:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	10
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	01
Research Links Established with other HEIs (National / International)	02
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	15
Score Validated	12

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	01
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	03
Patent Licensed / MTA / NDA	-

Score Claimed	22
Score Validated	17

<b>Total Score Claimed</b>	<b>67</b>
<b>Total Score Validated</b>	<b>56</b>
<b>Category Validated</b>	<b>Y</b>

## University of Karachi:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	07
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	74
Total Number of Joint Research Project Approved	05
Research Links Established with other HEIs (National / International)	09
Contract Research Approved	01
Centralized Database and Webpage	Basic

Score Claimed	32
Score Validated	20

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	08
Patents Filed	06
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	03
Patent Licensed / MTA / NDA	-

Score Claimed	13
Score Validated	13

<b>Total Score Claimed</b>	<b>72</b>
<b>Total Score Validated</b>	<b>60</b>
<b>Category Validated</b>	<b>Y</b>

## University of Malakand, Chakdara Dir:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	08
Score Validated	08

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	18
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	05
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	19
Score Validated	11

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	09
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	17
Score Validated	09

<b>Total Score Claimed</b>	<b>56</b>
<b>Total Score Validated</b>	<b>39</b>
<b>Category Validated</b>	<b>2</b>

## University of Management & Technology, Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	04
Total Number of Joint Research Project Approved	11
Research Links Established with other HEIs (National / International)	12
Contract Research Approved	06
Centralized Database and Webpage	Basic

Score Claimed	33
Score Validated	26

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	-
Patents Filed	01
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	04
Patent Licensed / MTA / NDA	01

Score Claimed	17
Score Validated	14

<b>Total Score Claimed</b>	<b>80</b>
<b>Total Score Validated</b>	<b>70</b>
<b>Category Validated</b>	<b>Y</b>

## University of Peshawar:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	08
Score Validated	06

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	14
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	08
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	22
Score Validated	13

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	01
Patents Filed	-
Patents Granted	03
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	09
Score Validated	07

<b>Total Score Claimed</b>	<b>59</b>
<b>Total Score Validated</b>	<b>46</b>
<b>Category Validated</b>	<b>Y</b>



## University of Sargodha:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	26
Total Number of Joint Research Project Approved	02
Research Links Established with other HEIs (National / International)	14
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	26
Score Validated	13

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	02
Patents Granted	01
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	01

Score Claimed	17
Score Validated	17

<b>Total Score Claimed</b>	<b>69</b>
<b>Total Score Validated</b>	<b>53</b>
<b>Category Validated</b>	<b>Y</b>

## University of the Punjab Lahore:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	09
Score Validated	09

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	32
Total Number of Joint Research Project Approved	08
Research Links Established with other HEIs (National / International)	11
Contract Research Approved	01
Centralized Database and Webpage	Basic

Score Claimed	29
Score Validated	23

### Research Commercialization:

Research / IP / Commercialization Policy	Draft
Links Established with Industrial & Corporate Sector	21
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	06

<b>Total Score Claimed</b>	<b>75</b>
<b>Total Score Validated</b>	<b>54</b>
<b>Category Validated</b>	<b>Y</b>

## University of Veterinary & Animal Sciences:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	In Complete
Score Claimed	09
Score Validated	07

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	50
Total Number of Joint Research Project Approved	03
Research Links Established with other HEIs (National / International)	07
Contract Research Approved	04
Centralized Database and Webpage	Yes

Score Claimed	34
Score Validated	26

### Research Commercialization:

Research / IP / Commercialization Policy	Approved
Links Established with Industrial & Corporate Sector	05
Patents Filed	-
Patents Granted	-
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	21
Score Validated	15

<b>Total Score Claimed</b>	<b>82</b>
<b>Total Score Validated</b>	<b>64</b>
<b>Category Validated</b>	<b>X</b>

## University of Wah Cantt:

### Working Environment and Human Resource:

Availability of Human Resource as per Requirement	Yes
Score Claimed	10
Score Validated	10

### Research Support:

Total Number of Research Proposals approved for funding (HEC and Non-HEC)	-
Total Number of Joint Research Project Approved	-
Research Links Established with other HEIs (National / International)	04
Contract Research Approved	-
Centralized Database and Webpage	Basic

Score Claimed	32
Score Validated	09

### Research Commercialization:

Research / IP / Commercialization Policy	-
Links Established with Industrial & Corporate Sector	-
Patents Filed	02
Patents Granted	02
Research gone into Pre-feasibility / Prototype Development	-
Patent Licensed / MTA / NDA	-

Score Claimed	13
Score Validated	05

<b>Total Score Claimed</b>	<b>71</b>
<b>Total Score Validated</b>	<b>28</b>
<b>Category Validated</b>	<b>2</b>