



# MANIPAL

ACADEMY of HIGHER EDUCATION

*(Institution of Eminence Deemed to be University)*



# Manipal Academy of Higher Education

## Annual Self Report (FY 2021-22)



RANKING	2021	2022
WORLD UNIVERSITY RANKING	751-800	751-800
ASIA UNIVERSITY RANKING	230	194
SUBJECT RANKING:		
PHARMACY	151-200	101-150
MEDICAL	351-400	301-350
BIOLOGICAL SCIENCE	501-550	551-600

### QS WORLD UNIVERSITY RANKING

<b>Current Status</b>	<b>751-800</b>
Target 2024 (5 yrs)	600-700
Target 2029 (10 yrs)	Top 500



RANKING	2021	2022
WORLD UNIVERSITY RANKING	1001+	1001-1200
ASIA UNIVERSITY RANKING	351-400	-
EMERGING ECONOMIES	351-400	301-350
<b>SUBJECT RANKING:</b>		
COMPUTER SCIENCE	601-800	601-800
CLINICAL & PRE CLINICAL	301-400	301-400
ENGINEERING	801-1000	801-1000
LIFE SCIENCE	601-800	801+
PHYSICAL SCIENCE	1001+	1001+
BUSINESS & ECONOMIC	-	601+



RANKING	2020	2021
UNIVERSITY CATEGORY	8	7



## Excellence in Education

- Multi-disciplinary & Inter-disciplinary
- Courses in Emerging Areas
- Faculty-Student Ratio
- Need-Blind Admission Process
- National & International Accreditation

## Expanding Reach and Internationalization

- Teaching and Research collaboration with top 500 global universities
- International Faculty
- International Students
- International Student Exchange

## Enabling Foundation & Sustainability Mission

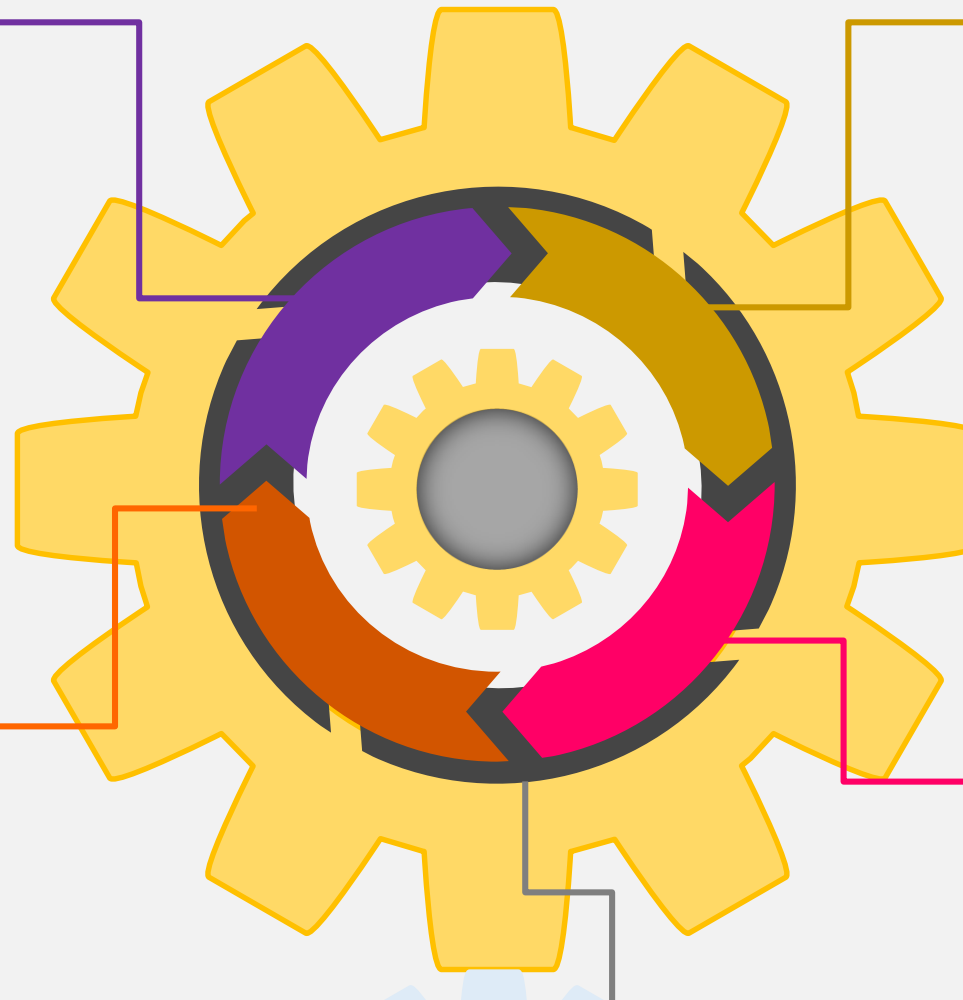
- Responsive & Credible Leadership
- Transparent system of governance
- State of the art infrastructure
- Environment friendly campus

## Exemplary Research and Innovation

- Inter-disciplinary research
- Collaborative Research
- State-of-the-art research Centers
- Intellectual Property and Commercialization
- Innovation, Incubation and Startups
- Research Funding
- Research Publication

## Effective Engagement and Alumni Relation

- Leverage alumni
- Alternative funding sources
- Alumni Events
- Industry Interactions
- Community Engagements
- Corporate Social Responsibility





## **Objective:**

To offer education of the highest standards in a congenial environment facilitated by competent academics to every active learner adopting a curriculum accepted nationally and internationally.

## **Parameters:**

- Multi-disciplinary & Inter-disciplinary
- Courses in Emerging Areas
- Faculty-Student Ratio
- Need-Blind Admission Process
- Accreditation





**Pillar 1: Excellence in Education**

<b>Tasks</b>	<b>Baseline (2019)</b>	<b>Target (2021)</b> As projected in IoE document	<b>Achieved (2021)</b>	<b>Target (2024)</b> As projected in IoE document
Increase the diversity of programs	<b>238</b>	248	<b>277 (+29)</b>	268
Establish New Schools	<b>19</b>	20	<b>24 (+4)</b>	21
Increase Student Enrolment	<b>24907</b>	25507	<b>27871 (+2364)</b>	27507
Increased proportion of Post Graduate Students	<b>80:20</b>	80:20	<b>73:27</b>	78:22
Maintain Academic Faculty : Student Ratio	<b>01:9.6</b>	1:10	<b>1:9.4</b>	1:10
Increase the Scholarship for Meritorious Students	<b>38.85 Cr</b>	41.85 Cr	<b>46.42 Cr (+4.57 Cr)</b>	55.85 Cr
Have the programs Internationally / Nationally Accredited	<b>16</b>	22	<b>18 (-4)</b>	35
Use of technology platforms for learning	<b>100%</b>	100%	<b>100%</b>	100%



## Pillar 1: Excellence in Education

Tasks	Baseline (2019)	Target (2021) As projected in IoE document	Achieved (2021)	Target (2024) As projected in IoE document
Virtual classrooms	1	3	1 (-2)	7
Assessments and Evaluation using Online Platform (E-pads)	60%	85%	100%	100%
Enhance industry partnership and design a work integrated learning program (WILP)	0	10	0 (-10)	25
Career counseling cell in all institutions	63%	100%	100%	100%
Aim to train additional 50 faculty for leadership training (SMILE)	89	109	122 (+13)	139
Aim to train Faculty for Advancement of international Medical Education and Research (FAIMER)	32	42	39 (-3)	60



## **Objective:**

To attain exemplary model in research and innovation creating a balanced ecosystem that enables interdisciplinary research collaboration to yield demonstrable research impact addressing the societal challenges of national and global importance.

## **Parameters:**

- Inter-disciplinary research
- Collaborative Research
- State-of-the-art research laboratories
- Applied research and innovation
- Intellectual Property and Commercialization
- Field work using latest methodologies
- Culture of Publication
- World Class Library



**Pillar 2: Exemplary Research & Innovation**

<b>Tasks</b>	<b>Baseline (2019)</b>	<b>Target (2021)</b> As projected in loE document	<b>Achieved (2021)</b>	<b>Target (2024)</b> As projected in loE document
Enhance multidisciplinary research - Flagship programmes	<b>10</b>	12	<b>52 (+40)</b>	15
Interdisciplinary courses	<b>45</b>	47	<b>1676</b>	55
Promote collaborative research through IRAG	<b>859</b>	1059	<b>1104 (+45)</b>	1200
Increase the network of institutions collaborating with MAHE	<b>1070</b>	1520	<b>2410 (+890)</b>	2400
Coauthored publications with international collaborators	<b>2355</b>	4155	<b>4004 (-151)</b>	7000
Publications coauthored with institutions of other countries	<b>17.1%</b>	19.1%	<b>32.7% (+13.6%)</b>	25%
Identify Research Groups to Enhance Research Output	<b>31</b>	35	<b>38 (+3)</b>	42
Create Specialized Centers to promote research	<b>104</b>	134	<b>117 (-17)</b>	150
Create Centers of Excellence	<b>5</b>	5	<b>6 (+1)</b>	4





## Pillar 2: Exemplary Research & Innovation

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Research facilities	02	03	7 (+4)	04
Research spend	6%	8%	10.69% (+2.69%)	15%
Increase number of doctoral enrolments YoY	182	420	421	750
Increase the number of total doctoral enrolments	803	1300	1563	2000
Faculty to be eligible to guide PhDs	25%	29%	27.73% (-1.27%)	40%
Increase publication output / year	1800	3200	3292 (+92)	8100
Setup a review mechanism to monitor the periodic progress of research papers (in THE data+)	14.5	20.5	23.1 (+2.6%)	30
Strengthen the grant office to enhance the quantum of research grants	22.3	32.3	30.5 (-1.8%)	52
Increase Citation per Publication	3.1	4.1	5.3 (+1.2)	5



**Pillar 2: Exemplary Research & Innovation**

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Achieve a higher Field weighted citation impact	<b>0.52</b>	0.72	<b>0.96 (+0.24)</b>	<b>1</b>
Increase in absolute reputation score in the THE data+	<b>3.4</b>	6	<b>4.8 (-1.2)</b>	<b>20</b>
New ventures	<b>22</b>	26	<b>58 (+32)</b>	<b>40</b>
Ventures to be graduated	<b>12</b>	16	<b>25 (+9)</b>	<b>22</b>
Increase Patent Applications	<b>72</b>	82	<b>110 (+28)</b>	<b>117</b>
Promote Commercialization of Technology	<b>5</b>	7	<b>7</b>	<b>15</b>
Revenue from startups, commercial companies and licensing	<b>60L</b>	72L	<b>63L (-9L)</b>	<b>1.2Cr</b>



## **Objective:**

To secure global recognition as an internationally reputed organization facilitating knowledge and cultural exchanges recognizing diversity and being inclusive, creating a stimulating environment enabling meaningful collaboration and strategic partnership.

## **Parameters:**

- Develop High Intensity Collaborative Network
- Academic Engagement of peers through these international linkages
- Joint research and internationally co-authored publication
- Increase in foreign students admission and pathway programmes
- Study abroad opportunities for academic, cultural and technical experiences
- Recruitment of international faculty and overseas academic opportunities
- Address global issues and build an international community of MAHE



## Pillar 3: Expanding Reach and Internationalization

Tasks	Baseline (2019)	Target (2021) As projected in IoE document	Achieved (2021)	Target (2024) As projected in IoE document
Increase deeper engagements with the top 50 Universities	7	8	15 (+7)	11
Partnerships with top 500 Universities	38	50	81 (+31)	75
Support faculty to attend international scientific meet	10%	14%	26.4% (+12.4%)	20%
Research publications with international coauthors	17%	19%	32.7% (+13.7%)	25%
Number of structured programmes for inbound students	10	14	26 (+12)	20
Increase international inbound student mobility	2%	3%	1.2% (-1.8%)	5%
International UG admissions (of the total UG admissions)	7.7%	8.2%	6.75% (-1.45%)	10%
International PG admissions (of the total PG admissions)	1.90%	4.9%	16% (+11%)	10%



## Pillar 3: Expanding Reach and Internationalization

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Enable programs to have the option of Dual/Joint degrees (pathway programmes)	12	14	28 (+14)	20
Identify international universities that accept twinning programmes	6	7	26 (+19)	12
Programs to facilitate semester abroad option	27.5%	31.5%	43.62% (+12.12%)	40%
Students opt for outbound semester abroad programme	44	64	187 (+123)	120
Students opt for inbound semester abroad programme	52	72	15* (-57)	120
Promote Manipal through Summer Schools & Immersions		200	232 (+32)	250



**Pillar 3: Expanding Reach and Internationalization**

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Increase in International internships (In) per year	<b>107</b>	150	<b>22*</b> <b>(-128)</b>	250
Increase in International internships (out) per year	<b>167</b>	210	<b>39*</b> <b>(-171)</b>	300
Increase the number of International faculty on campus	<b>0.8%</b>	1.8%	<b>1.6%*</b> <b>(-0.2%)</b>	5%
Domestic faculty to have international exposure	<b>3%</b>	3.5%	<b>0.44%*</b> <b>(-3.06%)</b>	5%

\*The student and faculty mobility got affected due to travel restriction imposed by various countries





## **Objective:**

To develop a deepening and sustaining relationship with important stakeholders which is mutually beneficial through industry, alumni and societal interactions with a focus on building stronger community.

## **Parameters:**

- Leverage alumni
- Alternative funding sources
- Alumni Events
- Industry Interactions
- Community Engagements
- Corporate Social Responsibility (CSR)



## Pillar 4: Effective Engagement and Alumni Relations

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Employer reputation in QS world ranking	<b>11.1/100</b>	21.1	<b>8.2 (-12.9)</b>	50/100
Perception in NIRF ranking	<b>27.67</b>	38.67	<b>40.93 (+2.26)</b>	60/100
Alumni registrations in the portal	<b>26000</b>	36000	<b>50519 (+14519)</b>	50000
Admissions through alumni connect	<b>15%</b>	20%	<b>33.39% (+13.39%)</b>	35%
Alumni as adjunct faculty/visiting faculty for enhanced educational experience	<b>40</b>	70	<b>93 (+23)</b>	150
Alumni Keynote address / guest lectures (per year)	<b>130</b>	200	<b>204 (+4)</b>	500
Engage with alumni creating Alumni Chapters	<b>4</b>	9	<b>12 (+3)</b>	20
Oration lecture series	<b>3</b>	10	<b>21 (+11)</b>	30
No. of homecoming events (per year)	<b>20</b>	30	<b>13 (-17)</b>	50



**Pillar 4: Effective Engagement and Alumni Relations**

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Create Alumni endowments towards scholarships and infrastructure	2.7Cr	4.5Cr	30.16 Cr (including donation in kind)	10Cr
Generate endowment by approaching charitable organizations & donors to offer scholarships	242Cr	292Cr	409.32 Cr (+117.32 Cr)	400Cr
Raise funds by reaching out to philanthropists & corporates for expansion and growth	706Cr	786Cr	706.58 Cr (-79.42Cr)	1000Cr
Increase the no. of books & journals published by MUP	100	225	224 (-1)	500
Involve VSO and other similar student organizations in VS activities	5 weekly, 5 fund rising events	6 weekly, 5 fund rising events	Achieved	7 weekly, 7 fund rising events



## Pillar 4: Effective Engagement and Alumni Relations

Tasks	Baseline (2019)	Target (2021) As projected in loE document	Achieved (2021)	Target (2024) As projected in loE document
Academia-Industry Interactions	100	110	169 (+37)	125
Strengthen primary & secondary education and provide education to the needy	33	33	Achieved	35
Service/community activities per year	12	25	Achieved	60



## Objective:

To provide world class infrastructure and create a technologically advanced environment for academic and research excellence.

## Parameters:

- State of the art infrastructure
  - World class library
  - Laboratory facility to undertake cutting-edge scientific research
  - Students amenities such as sports facilities, play areas, hostels and dining facilities
- Innovation, Incubation and startups
- Enhance and expand renewable resources of energy to become a fully green campus



**Pillar 5: Enabling foundation and sustainability mission**

<b>Tasks</b>	<b>Baseline (2019)</b>	<b>Target (2021)</b> As projected in IoE document	<b>Achieved (2021)</b>	<b>Target (2024)</b> As projected in IoE document
Academic and research infrastructure	<b>81.38L sq. ft.</b>	84.86L sq. ft.	<b>84.83L sq. ft.</b>	90L sq. ft.
Housing and other ancillary facilities	<b>2.45L sq. ft.</b>	2.97L sq. ft.	<b>4.27L sq. ft. (+1.3L sq. ft.)</b>	3.75L sq. ft.
Research facilities	<b>2</b>	3	<b>4 (+1)</b>	6
Sports facilities	<b>2.12L sq. ft.</b>	2.62L sq. ft.	<b>2.71L sq. ft. (+0.09L sq. ft.)</b>	3.37L sq. ft.
Upgrading the student amenities in the campus (+2500 seats)	<b>14,468</b>	15,468	<b>15,920 (+452)</b>	16,968