



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>		ManipalAcademy of Higher Education, Manipal
• Name of the Head of the institution		Lt. Gen. (Dr.) M D Venkatesh
• Designation		Vice Chancellor
• Does the institution function from own campus		Yes
• Phone no. of the Vice-chancellor		08202922615
• Alternate phone No.		08202570062
• Mobile no (Vice-chancellor)		7760393030
• Registered Email ID (Vice-chancellor)		vicechancellor@manipal.edu
• Address		manipal.edu, Madhava Nagar, Manipal
• City/Town		Manipal, Udupi
• State/UT		Karnataka
• Pin Code		576104
<b>2.Institutional status</b>		
• University		Deemed
• Type of Institution		Co-education
• Location		Semi-Urban

• Financial Status	Private
• Name of the IQAC Co-ordinator/Director	Dr. Sandeep S. Shenoy
• Phone No.	08202922422
• Alternate phone no.	08202925341
• Mobile No:	9880368390
• IQAC e-mail ID	iqac@manipal.edu
• Alternate e-mail	compliance@manipal.edu
3.Website address	<a href="http://www.manipal.edu">www.manipal.edu</a>
4.Whether Academic Calendar prepared during the year?	Yes
• If yes, was it uploaded in the Institutional Website?	<a href="http://slcm.manipal.edu">slcm.manipal.edu</a>

### 5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	NA	2002	01/10/2002	30/09/2007
Cycle 2	A	3.30	2016	11/07/2016	10/07/2021
Cycle 3	A++	3.65	2022	29/05/2022	28/05/2027

### 6.Date of Establishment of IQAC

03/06/2013

### 7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Kasturba Medcial College Manipal	Fellowship	DST New Delhi	2022 (60 months)	16, 30, 760
Kasturba Medcial	Fellowship	DST New Delhi	2022 (60 months)	4, 01, 760

Annual Quality Assurance Report of MANIPAL ACADEMY OF HIGHER EDUCATION (DEEMED-TO-BE-UNIVERSITY U/S 3 OF THE UGC ACT)

College Mangalore				
Manipal College of Pharmaceutical Sciences, Manipal	Fellowship	DBT New Delhi	2022	6, 92, 240
Manipal Center for Biotherapeutic Research, Manipal	Fellowship	DST New Delhi	2022 (60 months)	4, 25, 480
Manipal Institute of Technology Manipal	Fellowship	IITI Drishti CPS Foundation, Indoor	2022	1, 37, 199
Manipal Institute of Technology Manipal	Fellowship	Indian National Science Academy, New Delhi (INSA)	2022	40,000
Manipal Institute of Technology Manipal	Fellowship	Regional Center for Biotechnology, Faridabad	2022	2, 23, 076
Manipal College for Health Professions Manipal	Fellowship	DST New Delhi	2022 (60 months)	4, 01, 760
Manipal Center for Natural Sciences Manipal	Fellowship	DST New Delhi	2022 (60 months)	4, 01, 760
Manipal College of Pharmaceutical Sciences, Manipal	Fellowship	DST New Delhi	2022 (60 months)	16, 47, 040

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Manipal Institute of Regenerative Medicine Bengaluru	Fellowship	DST New Delhi	2022 (60 months)	4 61, 280
Manipal Institute of Technology Manipal	Fellowship	DST New Delhi	2021 & 2022 (60 months)	16, 66, 160
Manipal School of Life Science Manipal	Fellowship	DST New Delhi	2022 (60 months)	4, 01, 760
Manipal School of Architecture & Planning Manipal	Govt. Grant	DST New Delhi	2022 (36 months)	8, 00, 000
Manipal Institute of Technology Manipal	Govt. Grant	DST New Delhi	2022	51,47,080
Manipal School of Architecture & Planning Manipal	Govt. Grant	AICTE New Delhi	2022	3,30,000
Kasturba Medcial College Manipal	Travel grant	Biotech Consortium India Limited	2022	40000
Manipal Institute of Virology Manipal	Govt. Grant	BIRAC, New Delhi	2022 (48 months)	1,40,96,400
Manipal College of Pharmaceutical Sciences, Manipal	Govt. Grant	BIRAC, New Delhi	2022	43,792

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Manipal College of Pharmaceutical Sciences, Manipal	Govt. Grant	BRNS New Delhi	2022 (36 months)	7,27,704
Manipal School of Life Science Manipal	Govt. Grant	BRNS New Delhi	2022	20,81,150
Kasturba Medcial College Manipal	Govt. Grant	Christian Medical College, Ludhiana Society	2022	2,60,165
Manipal College of Pharmaceutical Sciences, Manipal	Fellowship	CSIR, New Delhi	2022	37,902
Manipal Institute of Technology Manipal	Fellowship	CSIR, New Delhi	2022 (12-24 months)	60,000
Manipal School of Life Science Manipal	Fellowship	CSIR, New Delhi	2022	20,000
Manipal School of Life Science Manipal	Govt. Grant	DBT New Delhi	2022	4,36,660.66
Kasturba Medcial College Manipal	Govt. Grant	DBT New Delhi	2022	58,11,291.84
Manipal Institute of Regenerative Medicine Bengaluru	Govt. Grant	DBT New Delhi	2022	45,280

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Manipal Institute of Virology Manipal	Govt. Grant	DBT New Delhi	2022	24,11,339.40
Manipal School of Information Science, Manipal	Govt. Grant	DBT New Delhi	2022	2,44,680
Kasturba Medcial College Manipal	Fellowship	ICMR New Delhi	36 months	27,44,226
Kasturba Medcial College Manipal	Fellowship	Lady Tata Mem. Trust	2022	5,41,443
Kasturba Medcial College Manipal	Travel Grant	SERB New Delhi	2022	3,67,620
Kasturba Medcial College Manipal	Govt. Grant	DBT/Wellcome Trust India Alliance	2022	34,92,243
Kasturba Medcial College Manipal	Govt. Grant	ICMR- NIRRH	2022	25,000
Kasturba Medcial College Manipal	Govt. Grant	ICMR New Delhi	36 months	2,39,48,268
Kasturba Medcial College Manipal	Govt. Grant	ICMR-NICED, New Delhi	2022	1,00,000
Kasturba Medcial College	Govt. Grant	ICMR-NICED, New Delhi	12 months	5,00,000

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Manipal				
Kasturba Medcial College Manipal	Govt. Grant	NIMHANS	2022	36,40,000
Kasturba Medcial College Manipal	Govt. Grant	Regional Center for B iotechnology , Faridabad	2022	45,54,296
Kasturba Medcial College Manipal	Govt. Grant	SERB New Delhi	36 months	17,50,000
Kasturba Medcial College Manipal	Govt. Grant	VGST Bangalore	84 months	15,88,833
Kasturba Medcial College Mangalore	Govt. Grant	ICMR New Delhi	2022	4,38,314
Kasturba Medcial College Mangalore	Govt. Grant	ICMR-NCDR Bengaluru	2022	8,00,000
Dept. of Atomic & Molecular Physics	Govt. Grant	SERB, New Delhi	2022 (36 months)	4,20,000
Directorate of Research, Manipal Academy of Higher Education	Govt. Grant	DBT/Wellcome Trust India Alliance	2022	5,92,944
Manipal Center for B iotherapeuti c Research, Manipal	Govt. Grant	Regional Center for B iotechnology , Faridabad	2022	22,22,000

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Manipal College for Health Professions Manipal	Fellowship	ICMR New Delhi	2022	13,75,956
Manipal College for Health Professions Manipal	Govt. Grant	ICMR New Delhi	2022	35,09,679
Manipal Center for Natural Sciences Manipal	Govt. Grant	ISRO Bangalore	2022 (36 months)	10,96,920
Manipal Center for Natural Sciences Manipal	Govt. Grant	SERB New Delhi	2022	21,92,436
Manipal College of Dental Sciences Manipal	Fellowship	ICMR New Delhi	2022	15,65,494
Manipal College of Dental Sciences Manipal	Govt. Grant	DBT/Wellcome Trust India Alliance	2022	29,15,348
Manipal College of Nursing Manipal	Fellowship	ICMR New Delhi	2022	13,52,005
Manipal College of Nursing Manipal	Govt. Grant	ICMR New Delhi	2022	1,75,93,585
Manipal College of P	Fellowship	ICMR New Delhi	2022	1,38,74,058



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Pharmaceutical Sciences, Manipal				
Manipal College of Pharmaceutical Sciences, Manipal	Fellowship	Lady Tata Memorial Trust	2022	2,13,900
Manipal College of Pharmaceutical Sciences, Manipal	Govt grant	ICMR New Delhi	2022	98,64,676
Manipal College of Pharmaceutical Sciences, Manipal	Govt grant	KSTePS, Bangalore	2019 (48 months)	6,96,248
Manipal College of Pharmaceutical Sciences, Manipal	Govt grant	SERB New Delhi	2022	21,13,565
Manipal College of Pharmaceutical Sciences, Manipal	Travel grant	SERB New Delhi	2022	6,49,934
Manipal Institute of Regenerative Medicine Bengaluru	Fellowship	ICMR New Delhi	2022	12,75,240
Manipal Institute of Regenerative Medicine Bengaluru	Govt grant	DRDO New Delhi	2022 (36 months)	19,09,320
Manipal Institute of Regenerative	Govt grant	ICMR New Delhi	2022	43,47,129

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Medicine Bengaluru				
Manipal Institute of Regenerative Medicine Bengaluru	Govt grant	Regional Center for B iotechnology , Faridabad	2022	24,72,000
Manipal Institute of Regenerative Medicine Bengaluru	Govt grant	SERB New Delhi	2022	23,92,100
Manipal Institute of Technology Manipal	Fellowship	ICMR New Delhi	2022	15,88,746
Manipal Institute of Technology Manipal	Govt grant	DRDO, New Delhi	2022 (36 months)	31,42,110
Manipal Institute of Technology Manipal	Govt grant	Karnataka Science and Technology Academy	2022 (6 months)	30,000
Manipal Institute of Technology Manipal	Govt grant	KSCST Bangalore	2022	35,000
Manipal Institute of Technology Manipal	Govt grant	KSTePS, Bangalore	2019 (48 months)	9,82,227
Manipal Institute of Technology Manipal	Govt grant	National Centre for Earth Science Studies (NCESS), Kerala	2022	66,624
Manipal	Govt grant	NCPOR Goa	2022	3,11,850

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Institute of Technology Manipal				
Manipal Institute of Technology Manipal	Govt grant	SERB New Delhi	2022 (36 months)	1,21,73,143
Manipal Institute of Technology Manipal	Govt grant	UGC-DAE-CSR, Indoor	2022	45,000
Manipal Institute of Technology Manipal	Govt grant	UGC-DAE-CSR, Mumbai	2021 (36 months)	2,47,904
Manipal Institute of Technology Manipal	Govt grant	UGC-DAE-CSR, New Delhi	2021 (36 months)	42,007
Manipal Institute of Technology Manipal	Govt grant	VGST, Bangalore	2022	7,25,185
Manipal Institute of Virology Manipal	Govt grant	ICMR New Delhi	2022 (24 months)	24,00,344
Manipal Institute of Virology Manipal	Fellowship	ICMR New Delhi	2022	3,43,385
Manipal Institute of Virology Manipal	Govt grant	SERB New Delhi	2022 (12 months)	40,71,000
Melaka Manipal Medical College, Manipal	Fellowship	ICMR New Delhi	2022	3,66,667

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Manipal School of Architecture & Planning Manipal	Fellowship	Department of Urban Land Transport, Bangalore	2022	1,52,900
Manipal School of Information Science Manipal	Govt grant	DBT, New Delhi	2022	2,44,680
Manipal School of Life Science Manipal	Fellowship	ICMR New Delhi	2022	54,34,366
Manipal School of Life Science Manipal	Fellowship	Lady Tata Memorial Trust	2022	4,24,700
Manipal School of Life Science Manipal	Govt grant	DBT/Wellcome Trust India Alliance	2022	65,10,864
Manipal School of Life Science Manipal	Govt grant	ICMR New Delhi	2022	40,45,320
Manipal School of Life Science Manipal	Govt grant	Regional Center for Biotechnology, Faridabad	2022	20,02,925
Manipal School of Life Science Manipal	Govt grant	SERB, New Delhi	2022 (36 months)	22,92,147
Manipal School of Life Science Manipal	Travel grant	SERB, New Delhi	2022	3,14,327
Manipal School of	Govt grant	ICMR New Delhi	2022	23,69,840

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Nursing Manipal				
Manipal Tata Medical College, Jamshedpur	Govt grant	ICMR New Delhi	2022	21,30,155
Prasanna School of Public Health Manipal	Govt grant	SERB, New Delhi	2022 (36 months)	5,50,000
Prasanna School of Public Health Manipal	Govt grant	ICMR New Delhi	2022	25,19,541
Prasanna School of Public Health Manipal	Govt grant	ICSSR New Delhi	2022	32,147
Prasanna School of Public Health Manipal	Fellowship	ICMR New Delhi	2022	4,12,444
Welcomgroup Graduate School of Hotel Administration, Manipal	Travel grant	SERB, New Delhi	2022	1,18,239
Welcomgroup Graduate School of Hotel Administration, Manipal	Govt grant	ICSSR New Delhi	2022	10,000
Manipal School of information	Grant Agreement	European commission	2021-22	2 998 312.50 Euro

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Sciences, Manipal				
Department of Design	Project grant	DST	2019-20 (3 years)	23,58,000
Department of Geopolitics and Internationa l Relations	Specialized Services in Strategic Watch Dimensions	ISRO	2016-17 (Ongoing)	5,72,000
Department of Commerce	Export and Commerce Promotion (M odernisation )	Directorate of Industries and Commerce	2020-21	1,50,000
Manipal Institute of Management Manipal	Scheme for Promotion of Farmer Producer Organisation s	NABARD, Bangalore	2019-20	3,48,000
Manipal Centre for European Studies, Manipal	Content and Language Integrated Learning (CLIL) Language Lab	EACEA, European Commission	2016-17	7,46,147
Department of Commerce	Fellowship	ICSSR, New Delhi	2022-23	2,60,000
Department of Commerce	Fellowship	ICSSR, New Delhi	2022-23	2,60,000
Division of Ayurveda	Grant	Clinfound Clinical Research Services Pvt Ltd	2022	0

<b>8.Is the composition of IQAC as per latest NAAC guidelines</b>	<b>Yes</b>
• Upload latest notification of formation of	<a href="#">View File</a>

IQAC		
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>	
<ul style="list-style-type: none"> <li>Have the minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>(Please upload, minutes of meetings and action taken report)</li> </ul>	<a href="#">View File</a>	
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
Compilation and submission of data for India Ranking 2023 by NIRF, which resulted in 6th Rank for our University under the University category		
Compilation and submission of data for THE Impact Ranking 2023, which resulted in No. 4 rank under SDG - Gender Equality and No. 25 in SDG - Quality Education for our University in the world		
Handholding MGM College Udupi and Sri Mahaveera College, Moodabidri (Group colleges) to prepare them for NAAC Peer team visit and also conducted Mock NAAC peer team visit at these colleges to help them to face the NAAC Peer team visit by rectifying any shortcomings		
Compilation and submission of application for THE Awards Asia 2023 under the category "Technological or Digital Innovation of the year" for our initiative "Paperless examination using Exam pad (E - pad)": A unique practice of evaluation system implemented in Manipal Academy of Higher Education (Institution of Eminence Deemed to be University) (MAHE) across all the programs of offered in all its campuses, which resulted in our University winning the prestigious award -THE AWARDS ASIA 2023.		
Organized workshop on "QS World University Ranking Methodology" for the University top management and Heads of Consitiuent Units by Mr. Ashwin Fernandes, Regional Director - for QS Quacquarelli Symonds in		

**Middle East, Africa & South Asia; CEO for QS IGAUGE Rating System**

**12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

Plan of Action	Achievements/Outcomes
Add 3 more new programs to the existing 277	37
Add 129 more students to the existing 27871	583
Increase the scholarship amount by 10 crores from 46.42Cr	57.76 Cr
Have 100 percent of the theory examinations using e-pads and online marking	Achieved 100%
Add 2 more interdisciplinary courses in the next one year	Achieved 27
Add 13 specialized centers encompassing all faculties over next one year	10
Increase the no. of PhD scholars to 2000	1982
Increase PhD guides by 3 percent from 27.73%	Increased to 41.48%
Improve the score for citation to 5.8	Achieved
Achieve an increase in Field Weighted Citation Impact to 1.06 in next one year	1.10
Add 12 new ventures	13
Increase research publications with international co-authorship by 2.3 percent	2.2%
Add 5 more structured courses by one year	5
Increase the international undergraduate admissions to 8.7	Not achieved



percent of the total undergraduate students next year	
Increase the international postgraduate admissions to 18 percent of the total postgraduate students next year	Not achieved
Enable an additional 2 courses to have the option of offering joint degrees in the next year	8
Target additional 190 institutions collaborating with MAHE for research publications over next one year	55
Add 900 co-authored publications with international collaborators by next one year	1178
Increase the research spend from current level by 2 percent over the next one year	0.29%
Have 4000 publications by next one year	3244
Have Graduation of additional 5 ventures next year	5
Increase the no. of new patent applications to 182 next year	223
Commercialize additional 2 technology in next one year	4
Support an additional 2% of faculty to attend international scientific meet in the next year	Not achieved
Have at least 45% of the programs to facilitate Semester Abroad option	43.62%
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
Nil	Nil
<b>14.Does the Institution have Management Information System?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>• If yes, give a brief description and a list of modules currently operational</li> </ul>	
<p>University and constituent institutes will need reporting services at various levels, for management and statutory reporting purposes. There are analytical reports as well, with business insights and KPIs for decision support. Data for reporting comes from one or more source systems. Reporting views and presentations can be in tabular or visual formats, accessible based on roles and permissions.</p> <p>Management Information Systems are built using:</p> <ol style="list-style-type: none"> <li>1. Application-level dashboards, across all systems</li> <li>2. Power BI</li> <li>3. SQL Reporting Services ( SSRS )</li> <li>4. Custom dashboards</li> </ol>	
<b>15.Multidisciplinary / interdisciplinary</b>	
<p>Manipal Academy of Higher Education (MAHE) is renowned for its multidisciplinary and interdisciplinary approach to education. The university offers a wide range of programs and courses that integrate multiple disciplines to provide students with a holistic learning experience. This approach sets MAHE apart from traditional universities and fosters an environment of innovation, collaboration, and critical thinking.</p> <p>One of the unique features of MAHE is the diverse range of academic disciplines in which programs are offered. The University encompasses various disciplines, including medicine, engineering, pharmacy, dentistry, nursing, allied health sciences, life sciences, natural sciences, public health, architecture, commerce, hotel management, management, communication, law, humanities, liberal arts and social sciences. This comprehensive selection of disciplines enable to students to explore different areas of interest and encourages cross-disciplinary collaboration.</p> <p>MAHE promotes interdisciplinary and multidisciplinary education by offering programs and courses that combine knowledge from multiple</p>	

disciplines. For example, the university offers B.Tech in Biomedical Engineering, B.Tech Biotechnology, B.Sc and M.Sc in Biotechnology, M.Sc in Nanoscience and Photonics, M.Sc in Digital Epidemiology, Bachelor and Master in Design programs including areas such as Creative and applied Computation and human centered design, Masters programs in Genome and Tissue Engineering, Masters in European Studies, M.Tech in Medical Informatics bachelor in Aesthetics and Peace studies, Master in Sanskrit Studies, Data Science and Ecosophical Aesthetics. These programs provide students with a broader perspective and equip them with the skills to address complex real - world challenges that require expertise in different fields.

In addition to the formal academic programs, MAHE encourages interdisciplinary collaboration through research and innovation. The University promotes research initiatives that bring together faculty members and students from different disciplines to work on common research goals. This collaborative approach facilitates the exchange of ideas, methodologies, and perspectives, leading to innovative solutions and breakthroughs in various fields.

Furthermore, MAHE fosters a multidisciplinary learning environment by providing students with opportunities to participate in extracurricular activities and clubs. These activities encompass a wide range of interests, including sports, arts, culture, entrepreneurship and community service. By engaging in these activities, students interact with peers from diverse backgrounds and develop skills such as teamwork leadership, and adaptability, which are essentials for success in a multidisciplinary world.

The multidisciplinary/interdisciplinary nature of MAHE also extend to its faculty members. The University attracts renowned professors and researchers from deferent disciplines who contribute their expertise and knowledge to the academic community. This diverse faculty body facilitates cross-disciplinary collaborations, mentorship, and intellectual exchange, enriching the learning experience for students and promoting a culture of innovation and research.

In conclusion, MAHE stands out for its multidisciplinary and interdisciplinary approach to education. By integrating various disciplines, the university prepares the students to tackle complex real-world challenges, fosters innovation, and promotes collaboration. MAHE's commitment to interdisciplinary learning and research equips students with the skills and mindset necessary to excel in today's rapidly evolving global landscape.

## 16. Academic bank of credits (ABC):

As per National Education Policy 2020, the Academic Bank of Credits (ABC) has been envisaged to facilitate the academic mobility of students with the freedom to study across the Higher Education Institutions in the country with an appropriate "credit transfer" mechanism from one programme to another, leading to attain a Degree/Diploma/PG-diploma, etc.,

ABC shall deposit credits awarded by registered institutions into students' accounts. The Academic bank credit(s) can only be shared from institutions, not directly from the student. Only credits submitted by an authorized institution will be accepted for storage and validation by the ABC.

MAHE has registered for the National Academic Depository (NAD) as well as the Academic Bank of Credit (ABC). As of date, MAHE has uploaded around 5093 degree-awarded data for the academic year 2021-22, and 1438 ABC IDs have been created for the students of the academic year 2023-24.

## 17. Skill development:

Skills development

Practice school/Summer Internships:

The concept of Practice School is one of the unique features of curriculum at MAHE's Engineering college. It provides the students an opportunity to spend quality time in the industry during their last semester of B. Tech. Programme. Students spend 4 - 6 months in an industry to gain valuable ground exposure by being part of teams handling live and challenging projects. It enables them to work in the area of mutual interest, improve self-confidence and develop core competence.

This Practice School exposure provides the students a platform to work in a competitive environment and deal with real-time problems. This experience enables students to develop their competence in problem-solving skills and demonstrate the knowledge of professional and ethical responsibilities. They get to adapt to the industry environment better and faster. It also ensures that they are productive from day one of their professional working career. This

concept is encouraged and appreciated by most of the industries, as it is a win-win situation for the industry and the institute. Industries of repute have been recruiting our students for internship in increasing numbers over the years. Most of the students translate their convertible-internship opportunities into a full-time employment (FTE) offer.

#### MoUs/NDA Facilitated:

The following MoUs are facilitated for collaborative research in the technology areas of mutual interest and pursue industrial/application-oriented research and engineering development activity. In addition to this, industries offer in-semester projects to the students. Also, hands-on workshops are conducted for students & faculty with the industry experts. As part of MoUs, industry experts are appointed as Adjunct Faculty to share their expertise in curriculum revision and technical talks to meet the industry requirements.

- Samsung R & D, Bangalore
- Cerner, Bangalore
- Sabic Technology Centre, Bangalore
- IBM, Bangalore
- National Highway Authority of India
- Toyota Kirloskar, Bangalore
- MRPL, Mangalore
- Everest Blowers, New Delhi

#### Live Projects:

Students across the years will take part in live projects to solve real-world problems of the industry which are mentored by an expert from an industry and an internal faculty member. These projects during the programme help the students to be abreast of the latest developments and tools used in the industrial field. All these initiatives help the students in preparing for the final year Practice School project of their choice. The reputed organizations offering such live projects are Dell, HPE, Samsung R&D, Gravitas AI, Sabre.

#### Industry Sponsored Open Elective:

An open elective on Healthcare-IT proposed and sponsored by Cerner, introduced for BTech students. The scientists from Cerner will

engage the classes along with a faculty coordinator. This enables the students to experience the advanced technologies in the field of Healthcare-IT.

#### Soft skill Development:

- Conducting workshops through webinars on workplace etiquettes, CV building and HR interviews.
- Introducing modules to improve the core/ basic skill sets in the department level through student council/placement club.
- Conducting webinar by alumnus of MIT on soft and technical skills, preparations for campus placements and opportunities for higher studies.
- Career Counselling Cell to support students in their career related problems.
- Conducting Workshops related to Resume Writing and Professional Networking sites and portfolio building were organised.
- Communication problems of the local media industries were identified and a solution-based approach was practiced.

#### Academic Industry Interface Programs, Placements & Internships

The Commerce Department has embedded the following Academic Interface Programs with the industry to enhance employability skills and provide jobs:

- The B.Com (Business Process Services) Course is offered with *Tata Consultancy Services* as Industry partner. The collaboration purposes to offer job opportunities to students in the Business Process Services sector.
- The *Board of Apprenticeship Training (BOAT)* has signed a Memorandum of Understanding (MOU) with the Department to offer local internship to students. Internships are supported by BOAT in the area of accounting and GST. The tie ups intends to make students more skilful in accounting and taxation and seek job opportunities in the corporate sector.
- To leverage opportunities in Taxation, the Department has signed a collaboration with *Ernst & Young (EY)* in International Taxation for the M.Com & M.Sc (Financial Economics) Programs. At the end of the course, EY conducts the selection process and offers jobs as 'Tax Analysts'.
- Certification in Rail Logistics is offered jointly with *Konkan Railway Corporation Limited (KRCL)* with an embedded Faculty internship and student internship component. The students

undergo one week training program at KRCL location. The arrangement is intended to provide practical exposure in the area of logistics and supply chain.

- The B.Com Professional Program is accredited by *Association of Chartered Certified Accountants* with fundamental paper exemptions leading the students to become 'ACCA Affiliates'. Top audit firms provide jobs to students in the field of Auditing, Accounting, Tax and Assurance.
- The Centre for Supply Chain Education and Research works with the *Confederation of Indian Industries* to offer training and certification in Logistics and Supply Chain.

### Training and Development

To promote corporate training skills of faculty;

- The Centre for Consultancy Training and Corporate Interface (CCTCI) offers training program on
- 'Soft Skills for Consulting' to the employees of PharmaQuant, a Health Analytics company.
- Business Communication skills for the staff of Konkan Railway Corporation Limited
- Standards of Customer Service to the Nursing & Non-nursing staff of Kasturba Medical College, Mangalore.

### Hotel Management

- Identification of an industry mentor to regularly engage with students
- Inclusion of industry practitioners in teams participating in hackathons and other entrepreneurial events
- Schedule and organize short-term and on-campus engagement between students and industry practitioners
- Facilitate shop floor assignments for students to fine-tune their skills

Some of the Skill Development courses offered are:

#### 1. Virology Skill-based training programs

- Medical Diagnostic Techniques
- Basic Virological Techniques
- Medical Entomology

#### 1. Advanced Certificate course in EEG & Clinical Neurophysiology Technology



2. Advanced Certificate course In ENT Technician
3. Advanced Certificate course in Anaesthesia Technician
4. Basic Certificate Course in ECG
5. Basic Certificate course in prosthetics and orthotics
6. Basic Certificate course in Orthopaedic Trauma Operation Theatre Technician
7. Basic certificate course on Diabetic Foot Care Educator
8. Certificate course in Animation Technology
9. Certificate course in Library & Information Science
10. Certificate course in Spanish
11. Certificate course in German

**18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

Manipal Academy of Higher Education (MAHE) has been engaged in advancing Indian knowledge systems and cultures. As a higher education institution committed to pioneering education and research, MAHE strives to strike a nuanced balance between global and Indian knowledge practices. The constituent units of MAHE undertake diverse events and programs to facilitate a deeper understanding of the vast macrocosm of Indian systems of thought and cultures. It emphasizes archiving and documenting local folk and performing arts through its units. Further, it also organizes annual events like exhibitions for local artisans, literary and art meetings, bringing together practitioners from different regions of the country. In addition, it hosts summer and winter schools that serve as a platform for scholars working on India to share their work with international audiences.

The Regional Resources Centre for Folk Performing Arts (RRC) Udupi, a cultural unit of the MAHE has been archiving folk performance arts, rituals, folk games, and other cultural aspects of the folklore through documentation, preservation, and dissemination for the past three decades. The centre has conducted numerous workshops to train young scholars in specific branches of folklore research and has received funding from Government and other agencies to conduct research projects.

Rashtra Kavi Govind Pai Samshodhana Kendra Udupi is a unique research centre that aims to nurture interest in Indian knowledge systems among scholars of the region. It was established in 1965



around the nucleus of a unique collection of 5000 volumes belonging to the library of late Poet-Laureate Shri Manjeshwar Govind Pai. The Kendra organizes research work in ancient history and literature and arranges annual lectures by renowned scholars, brings out publications on history and literature. The most important project undertaken by the Kendra has been the Tulu Lexicon Project which has produced a dictionary with 3332 pages, and more than one lakh Tulu words have been incorporated. In 2008, the Government of Karnataka sanctioned a grant of rupees one crore to the Govind Pai Samshodhana Kendra to undertake research and allied projects in honour of the great saint Kanakadasa with the objectives of studying Kanaka devotional songs and poetry and propagation of Kanaka work among the masses and the youth.

Centre for Intercultural Studies and Dialogue (CISD), at Manipal Centre for European Studies, MAHE is a platform for learning and research on communication across cultures. It aims at understanding intricacies and nuances of plurilingual and multicultural societies by focusing on cultural interactions and negotiations at various levels. Discerning India- Living Cultures of Tulunadu is a project that introduces the participants to the distinctive cultural traits of Tulunadu and look at what makes the region surrounding Manipal, India -a microcosm of India. The indigenous worship traditions, vibrant folk theatres and syncretic living ways add a distinctive richness to the region. This course introduces the participants to the glimpses of this cultural heritage and leaves them with a desire to delve deeper. The project covers Yakshagana (Folk Theatre of the Region), Kambala (Slush Track Buffalo Race of the Region) Bhutaradhane (Bhuta Worship of the Region) and Nagaradhane (Worship of Naga in the Region)

Amongst MAHE's many global engagements, Manipal Universal Press (MUP) represents an effort to promote Indian scholarship and writing. As a constituent of MAHE Trust, the publishing program at MUP strives to strengthen and serve the academic community, contributing to MAHE's objective of excellence in global scholarship. The MUP series on Indian Literature in Translation is an effort to preserve and convey indigenous elements specific to diverse linguistic communities of the Indian subcontinent. Translation provides a platform for synthesis of ideas and native knowledge. MUP recognizes this power of translation and therefore brought out this series- Indian Literature in Translation. MUP has

also published several historical Indian works under its History Series including 'Administrative and Social History of Mysore Under the Wodeyars of Mysore' (1600-1800 CE) - (English), The Princely States and the Making of Modern India (English), Ancient India: Identities, Boundaries and Cultural Practices (English), Early Buddhist Artisans and their Architectural Vocabulary (English) and the Multivalence of an Epic: Retelling the Ramayana in South India and Southeast Asia (English). Yakshagana Kendra, Udipi, is one of the cultural wings of MAHE. It is a training centre imparting professional training in the art of Yakshagana (Badagutittu) dance and music to young learners in the traditional gurukula system.

The Department of Philosophy, MAHE, offers two [Masters](#) programs- MA in Indian Philosophy and MA in Sanskrit Studies. It also offers a variety of elective/certif

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

"An Outcome Based Education (OBE) curriculum means starting with a clear picture of what is important for students to be able to do, then organizing the curriculum, instruction and assessment to make sure this learning ultimately happens" said William Spady. Moreover, according to him, the basic principles of OBE are as follows:

- Clarity of focus on what the students are expected to know and be able to do
- Designing down of the curriculum and delivering up
- High expectations and standards set for the student performance
- Expanded opportunities for the students for assessments and learning

MAHE has adopted outcome based education format in all the programs offered in the university. As a part of OBE process in MAHE, the institutional objectives are defined at the institution and the department levels in terms of the Vision and Mission statements based on several rounds of discussions with the key stakeholders. Based on the selected Vision and Mission statements the Program Educational Objectives (PEO)s are defined. The PEOs are developed by aligning them with the Vision and Mission of the Department and by involving the key stakeholders, mainly the faculty who in turn will

be running the program in the department. The PEOs are reviewed by the Department Curriculum Committee (DCC) and experts before finalising. This is followed by the formulation of Program Outcomes. The NBA recommended Graduate Attributes are taken as the core of POs and a few Program Specific Outcomes (PSO) are defined. The 12 Graduate Attributes and the PSOs collectively act as POs. Apart from involving the stakeholders, experts from industry and academia are consulted before finalizing PEO and POs. Based on the POs, the program structure is decided, which will have multiple courses with explicitly stated course outcomes (CO). To achieve the stated course outcomes, the contents, delivery and assessment methods will be chosen and documented.

As a first step in curriculum design and revision, the feedback on the curriculum and the expectation on the new curriculum are gathered from the stakeholders formally by holding curriculum conclave, where all such key stakeholders - academicians, industry partners, teachers, students, alumni and management were brought on a single platform. The curriculum design is ensured to be aligned with the vision, mission, PEO and POs. To achieve the outcomes, the curriculum is designed in such a way that it provides adequate scope for introducing courses in inter-disciplinary areas in the form of elective courses in addition to the core courses. Moreover, access to valued-added programs including languages courses, communication skills, certificate programs, industry oriented subjects etc., are also included. Blended mode of learning for additional exposure using NPTEL, Swayam, Coursera, lectures by Adjunct faculty and industry partners are integrated into the curriculum. Learner centric methods of delivery such as tutorials, discussions, seminars, case studies, peer learning were also part of the curriculum. Experiential learning is given emphasis to have an engineering experience to the students in the form of mini projects, major projects, industrial internships and practice school.

The attainment of outcomes is assessed by continuous evaluation, structured feedbacks, exit surveys, alumni surveys and employer surveys apart from standard direct assessments. Such assessments, feedbacks and surveys are periodically administered and the outcomes after analysis are used to take corrective actions and to close the loop.

The key benefits experienced after implementing OBE include achieving regulatory compliance, improving Graduate mobility and acceptance, alignment in Curriculum design, delivery and assessment, improvement in Process transparency to key stakeholders and enhanced focus on Continuous Quality Improvement

## 20.Distance education/online education:

The Directorate of Online Education (DOE) is a constituent unit of Manipal Academy of Higher Education (MAHE) committed to advancing the United Nations Sustainable Development Goal 4 (SDG 4) of ensuring inclusive and equitable quality education for all. Established in 2019, DOE strives to revolutionize the field of education by offering high-quality online programs that provide lifelong learning opportunities to individuals worldwide.

### Program Offerings:

DOE takes pride in its diverse range of online programs designed to enhance professional skills and academic knowledge while promoting sustainable development. These programs include:

1. **Master of Business Administration (MBA):** The online MBA program equips students with essential business management skills, fostering sustainable leadership in a rapidly changing global economy. Graduates are prepared to navigate complex challenges while considering the social, environmental, and economic dimensions of sustainable development.
2. **MSc Data Science:** The MSc Data Science program focuses on advanced data analytics, machine learning, and data-driven decision-making, while emphasizing the importance of using data for sustainable development. Students learn how to leverage data to address pressing social and environmental issues and contribute to sustainable solutions.
3. **MSc Business Analytics:** This program explores the field of business analytics, equipping students with the tools to make informed decisions that align with sustainable business practices. Graduates are well-equipped to analyze data, identify trends, and implement sustainable strategies that drive positive societal and environmental outcomes.
4. **Post Graduate Certificate in Logistics & Supply Chain Management:** The logistics and supply chain management program equips students with the knowledge and skills needed to manage the movement of goods and services efficiently and sustainably. Graduates understand the importance of minimizing environmental impact, optimizing resource utilization, and promoting ethical practices within the logistics industry.

### Global Reach:

DOE's commitment to inclusive and equitable education extends globally. At present, students from 29 countries have enrolled in

DOE's online programs, creating a diverse and inclusive learning environment that fosters cross-cultural understanding and collaboration. This global reach ensures that learners from different backgrounds and regions have access to quality education and the opportunity to contribute to sustainable development in their communities.

**eVidyaBharati eArogyaBharati (eVBAB) PanAfrican Network Scholarship Project:**

DOE-MAHE has signed an agreement with the Ministry of External Affairs (MEA), Government of India, to support education in African countries. Through the MEA's eVidyaBharati eArogyaBharati (eVBAB) PanAfrican Network Scholarship Project, DOE offers its online programs to African learners, empowering them to pursue quality education and contribute to sustainable development in their countries. This transformative initiative has already enrolled over 1000 students from 15 African countries, widening access to education and creating pathways for sustainable development in Africa. By equipping African learners with the knowledge and skills to address local challenges, DOE-MAHE is playing a vital role in fostering human capital development and promoting sustainable socioeconomic progress across the continent.

**Extended Profile**

**1.Programme**

1.1	314
Number of all Programmes offered by the Institution during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**

2.1	32064
Number of students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.2	7166
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Number of graduated students during the year						
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td align="center"><a href="#">View File</a></td> </tr> </table>			File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents					
Data Template	<a href="#">View File</a>					
<b>3.Academic</b>						
3.1 Number of full-time teachers during the year		<b>3028</b>				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td align="center"><a href="#">View File</a></td> </tr> </table>			File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents					
Data Template	<a href="#">View File</a>					
3.2 Number of sanctioned posts during the year		<b>3028</b>				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td align="center"><a href="#">View File</a></td> </tr> </table>			File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents					
Data Template	<a href="#">View File</a>					
<b>4.Institution</b>						
4.1 Total expenditure excluding salary during the year (INR in lakhs)		<b>140885.32</b>				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td align="center"><a href="#">View File</a></td> </tr> </table>			File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents					
Data Template	<a href="#">View File</a>					
<b>Part B</b>						
<b>CURRICULAR ASPECTS</b>						
<b>1.1 - Curriculum Design and Development</b>						
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global health care needs which are visible in Programme Outcomes (POs), and Course Outcomes (COs) offered by the University, as per the norms of the Regulatory Bodies.						
<p><b>MAHE is renowned for its comprehensive and globally relevant curricula, offering more than 310 programs in the diverse domains of health sciences, technology, management, art, design, humanities, law and social sciences, which aim at grooming a future generation of competent professionals. The curriculum development and review process occurs through the curriculum conclaves conducted on a</b></p>						

regular basis involving various stakeholders including students, faculty, experts from academia and industry, alumni and employers.

MAHE's curricula are developed with a focus on addressing the specific healthcare requirements of the local community in Manipal, as well as those of the broader Indian population. The university ensures that its programs and courses are in line with national healthcare needs and standards, taking into account the guidelines and requirements set by regulatory bodies.

MAHE's medical, dental, nursing, allied health, public health and pharmacy colleges offer programs through competency and outcome based curricula wherein the program outcomes clearly state the goal of fulfilling the local, national, regional and global healthcare needs. The MSc. program in Clinical Virology creates professionals trained to work efficiently with equal ease both in a laboratory and in a public health and industry setting. The Biomedical Engineering program at MIT works closely with the clinical disciplines of the medical colleges of MAHE. The programs at MSLS help in developing a crucial human resource - graduates trained in advanced skills in areas including molecular biology and genome engineering.

File Description	Documents
Curricula implemented by the University	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-1-1%2FCurricula-implemented&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-1-1%2FCurricula-implemented&amp;eeListID=1</a>
Outcome analysis of POs, COs	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-1-1/Outcome-analysis/1_1_1-B_Tech-E-E-PO-Attainment-2021-2023.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-1-1/Outcome-analysis/1_1_1-B_Tech-E-E-PO-Attainment-2021-2023.pdf</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-1-1%2FCurriculum-conclave&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-1-1%2FCurriculum-conclave&amp;eeListID=1</a>

**1.1.2 - Number of Programmes where syllabus revision was carried out during the year**

72



File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Details of the revised Curricula/Syllabi of the programmes during the year	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Syllabus prior and post revision of the courses	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

1.1.3 - Provide a description of courses with focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions / Industries during the year

MAHE offers courses focused on entrepreneurship and business development, designed to foster students' entrepreneurial spirit and provide them with the skills and knowledge to start and manage their own ventures. The DST sponsored business technology incubator [MUTBI] nurtures students to become entrepreneurs, and has already established scores of start-ups. The Manipal-Government of Karnataka Bioincubator facilitates entrepreneurship among researchers, faculty and students by providing an incubation platform to propel innovative ideas towards product commercialization.

MAHE provides skill development courses in areas such as communication, leadership, teamwork, problem-solving, and critical thinking. The CBME curriculum of MBBS to provides the orientation and the skills necessary for life-long learning to enable holistic care of the patient. Our dental colleges house state-of-the-art equipment and technology to train the students making them employable in India and abroad and promoting entrepreneurial skills so that they are well equipped to establish their own practices. Adequate exposure to sophisticated equipment in the laboratories and hands on experience through various technical clubs ensure development of technical competencies in the engineering programs at MIT. MCHP offers various programs in allied health discipline providing the workforce to be employed in hospitals in India and abroad.

MAHE collaborates with renowned institutions for credit transfer and dual degree programs which provide unique learning opportunities for students.



MAHE organizes workshops, seminars, and training sessions conducted by industry experts to enhance students' professional skills, industry knowledge, and employability.

File Description	Documents
List of courses having focus on competency/ employability/ entrepreneurship/ skill-development	<a href="#">View File</a>
MOUs with Institutions / Industries for offering these courses (Initiated during the year?)	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

## 1.2 - Academic Flexibility

**1.2.1 - Number of Programmes in which Choice-Based Credit System (CBCS)/Elective course system has been implemented, wherever provision was made by the Regulatory Bodies (Data for the preceding academic year)**

**1.2.1.1 - Total number of Programmes where there is regulatory provision for CBCS – elective course system**

**254**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
University letter stating implementation of CBCS by the Institution	<a href="#">View File</a>
Structure of the program clearly indicating courses, credits/Electives as approved by the competent board	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**1.2.2 - Number of new Degree Programmes, Fellowships and Diplomas introduced by the University across all Faculties during the year (certificate programmes are not to be included)**

**1.2.2.1 - Number of new Degree Programmes, Fellowships and Diplomas introduced by the University during the year**

**42**

File Description	Documents
List of the new Programmes introduced during the year	<a href="#">View File</a>
Minutes of relevant Academic Council/BoS meetings for the year	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**1.2.3 - Number of interdisciplinary courses under the Programmes offered by the University during the year**

**1.2.3.1 - Number of courses offered across all programmes during the year**

**4596**

File Description	Documents
List of Interdisciplinary courses under the programmes offered by the University during the year	<a href="#">View File</a>
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**1.3 - Curriculum Enrichment**

1.3.1 - Institution integrates crosscutting issues relevant to Gender, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the curricula

**MAHE ensures that its curricula incorporate gender perspectives across disciplines, promoting an understanding of gender issues, equality, and social justice. This includes courses focused on**

gender studies, women's health, gender and development, and related topics

MAHE integrates environmental and sustainability education into its curricula, emphasizing the importance of environmental conservation, sustainable development, and responsible resource management. MA in Geopolitics and International Relations analyses India's positions and policies on environmental issues, including disasters and climate change.

MAHE emphasizes the importance of human values and ethics by integrating courses that promote ethical decision-making, social responsibility, and moral reasoning. These courses cover topics such as professional ethics, social justice, and moral philosophy. Elective courses touch upon the important crosscutting issues like environment and sustainability, Human values, Cross-cultural sensitivity, Right to Health and Professional Ethics.

MAHE addresses health determinants and the right to health by incorporating public health education, which explores the social, economic, and environmental factors that influence health outcomes. This includes courses on health equity, healthcare policy, and global health issues. Community Health Nursing addresses the risk factors of diseases under 'agent, host, and environment' and discusses ways to reduce risk factors by environmental sanitation and waste management.

MAHE places a strong emphasis on professional ethics by integrating ethical principles and standards into the curricula of professional programs such as medicine, engineering, business, law, and others. This ensures that graduates are equipped with a strong ethical foundation for their respective fields.

File Description	Documents
List of courses that integrate crosscutting issues mentioned above	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-3-1/1_3_1-list-of-courses-integrating-cross-cutting-issues-final.xlsx">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-3-1/1_3_1-list-of-courses-integrating-cross-cutting-issues-final.xlsx</a>
Description of the courses which address Gender issues, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the Curricula	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-3-1%2F1-3-1-Description-of-courses&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-3-1%2F1-3-1-Description-of-courses&amp;eeListID=1</a>
Any other relevant information	No File Uploaded

### 1.3.2 - Number of value-added courses offered during the year that impart transferable and life skills

File Description	Documents
Brochure or any other document related to the value-added course/s	<a href="#">View File</a>
List of value-added courses (Data Template -5)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 1.3.3 - Number of students who successfully completed the value-added courses during the year

#### 1.3.3.1 - Number of students who successfully completed the value-added courses imparting transferable and Life skills offered during the year

**12911**

File Description	Documents
List of students enrolled in value-added courses (Data Template 5)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

#### 1.3.4 - Students undertake field visits / research projects / Industry internship / visits/Community postings as part of curriculum enrichment

**Field visits are organized to provide students with first hand**

exposure to real-world environments related to their areas of study. A field visit to the Primary Health Centre is organized every year for the BDS students and every year the faculty and postgraduates of the Dental colleges organize school dental health education programmes. Nursing students make field visits as part of their community health nursing curriculum.

Students are encouraged to engage in research projects, either independently or as part of a research team led by faculty members. These projects allow students to develop critical thinking skills, conduct empirical investigations, and contribute to the advancement of knowledge in their respective fields. All PG programs have a mandatory requirement to submit a dissertation/ thesis work as a partial fulfilment of their course.

MAHE facilitates industry internships and visits to provide students with practical exposure to professional work environments and industry practices. This hands-on experience allows students to apply theoretical knowledge in real-world settings, gain industry-specific skills, and build professional networks. The Industry-Academia link is well established at MAHE and many institutions have incorporated that into their curricula, paving the way for a structural feature.

Community postings involve students engaging with local communities to address social, environmental, or health-related issues. Six Rural Maternity and Child Welfare (RMCW) homes in Udupi are managed by KMC Manipal, where students are posted for six weeks where they interact with the people and try to understand their health issues and the socioeconomic factors that contribute to it.

File Description	Documents
List of Programmes and number of students undertaking field visits / research projects / internships/Industry visits/Community postings during the year	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-3-4&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-1%2F1-3-4&amp;eeListID=1</a>
Any other relevant information	<a href="#">Nil</a>

#### 1.4 - Feedback System

**1.4.1 - Mechanism is in place for obtaining structured feedback on curricula/syllabi from**

A. All 4 of the above

**various stakeholders Students Teachers  
Employers Alumni Professionals**

File Description	Documents
Stakeholder feedback report as stated in the minutes of the Governing Council/Syndicate/ Board of Management	<a href="#">View File</a>
URL for feedback report	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-4-1/1_4_1-Feedback-report.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-4-1/1_4_1-Feedback-report.pdf</a>
Sample filled-in Structured Feedback forms by the institution for each category	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**1.4.2 - Feedback process of the Institution may be classified as:**

**A. Feedback collected, analyzed and action taken on feedback and such documents are made available on the institutional**

File Description	Documents
URL for stakeholder feedback report	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-4-1/1_4_1-Feedback-report.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-1/1-4-1/1_4_1-Feedback-report.pdf</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council/ Syndicate/ Board of Management	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

**2.1.1 - Due consideration is given to equity and inclusiveness by providing reservation of seats to all categories during the admission process**

File Description	Documents
Number of seats filled against seats reserved (As per Data Template)	<a href="#">View File</a>
Copy of letter issued by state govt. or and Central Government Indicating the reserved categories to be considered as per the state rule (in English)	<a href="#">View File</a>
Final admission list published by the HEI	<a href="#">View File</a>
Admission extract submitted to the state OBC, SC and ST cell for the year	<a href="#">View File</a>
Initial reservation of seats for admission	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**2.1.2 - Student Demand Ratio, applicable to programmes where State / Central Common Entrance Tests are not conducted**

File Description	Documents
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Document relating to Sanction of intake	<a href="#">View File</a>
Extract of No. of application received in each program	<a href="#">View File</a>
The details certified by the Controller of Examination or Registrar evaluation clearly mentioning the programs that are not covered under CET and the number of applications received for the same	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**2.1.3 - Student enrollment pattern and student profile to demonstrate national/international spread of enrolled students from other states and countries**

**2.1.3.1 - Number of students from other states and countries during the year**

21818

File Description	Documents
List of students enrolled from other states and countries during the year	<a href="#">View File</a>
E-copies of admission letters to the students enrolled from other States / Countries	<a href="#">View File</a>
Copy of the domicile certificate/passport from respective states / countries	<a href="#">View File</a>
Previous degree/ Matriculation / HSC certificate from other state or country	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

**2.2.1 - The Institution assesses the learning levels of the students after admission and organises special programmes for advanced learners and slow performers. The Institution: Adopts measurable criteria to identify slow performers Adopts measurable criteria to identify advanced learners Organizes special programmes for slow performers and advanced learners Follows protocols to measure students' achievement**

**A. All of the Above**



File Description	Documents
Methodology and Criteria for the assessment of Learning levels Details of special programmes	<a href="#">View File</a>
Details of outcome measures	<a href="#">View File</a>
Proforma created to identify slow performers/advanced learners	<a href="#">View File</a>
Consolidated report to Dean academics /Dean student's welfare on special programs for advanced learners and slow learners for the year	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

### 2.2.2 - Student - Fulltime teacher ratio (data for the preceding academic year)

#### 2.2.2.1 - Total number of students enrolled in the specified year

**32064**

File Description	Documents
List of students enrolled in the preceding academic year	<a href="#">View File</a>
List of full-time teachers in the preceding academic year in the University (with Designation and Highest Qualification)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

### 2.3 - Teaching- Learning Process

#### 2.3.1 - Student-centric methods are used for enhancing learning experiences by

Student-centric methods are at the heart of educational approaches for enhancing learning at MAHE. In all the endeavours that our constituent institutions take, the needs of our millennial learners are at the centre.

All institutions of MAHE lay stress on experiential learning.

1. If the students at MIT design formula cars, solar cars, all-terrain vehicles and mini-satellites,
2. MCON has scenario-based learning,
3. students at WGSMA run a restaurant and undertake

entrepreneurial ventures,

4. students of department of media at MIT host Chalchitra - an international film festival,
5. students at MIC come out with a weekly newspaper with the university campus abuzz with multitude of such student focused activities.

The avenues for experiential learning, both formally as part of the curriculum and informally in a vibrant university atmosphere at Manipal, are immense. Problem Based Learning (PBL), Case Based Learning (CBL, Self-Directed Learning (SDL) learning modules, small group teaching are a mainstay in almost all our constituent institutions.

Student research has been given great importance at MAHE. Be it Manipal BioMachines by Biomedical Engineering department at MIT or Faculty Assisted Study and Training Program (FAST) at WGSHA or Urban Design stakeholder consultations by MSAP, most of our institutions have student research weaved into their curriculum.

File Description	Documents
List of student-centric methods used for enhancing learning experiences during the year	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-3-1-Student-centric-methods-employed-at-different-institutes-at-MAHE&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-3-1-Student-centric-methods-employed-at-different-institutes-at-MAHE&amp;eeListID=1</a>
Any other relevant information	<a href="#">View File</a>

**2.3.2 - The Institution has provision for the use of Clinical Skills Laboratory and Simulation-Based Learning The Institution: 1. Has Basic Clinical Skills Training Models and Trainers for clinical skills in the relevant disciplines. 2. Has advanced patient simulators for simulation-based training 3. Has structured programs for training and assessment of students in Clinical Skills Lab / Simulation centre 4. Conducted training programs for the faculty in the use of clinical skills lab and simulation methods of teaching-learning**

**A. All of the Above**

File Description	Documents
Geotagged photographs of clinical skills lab facilities, clinical skills models, patient-simulators	<a href="#">View File</a>
List of training programmes conducted in the facilities during the year	<a href="#">View File</a>
List of clinical skills training models	<a href="#">View File</a>
Proof of Establishment of Clinical Skill Laboratories	<a href="#">View File</a>
Proof of patient simulators for simulation-based training	<a href="#">View File</a>
Report on training programmes in Clinical skill lab/simulator Centre	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

2.3.3 - Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources

MAHE has always been at the cutting edge of use of ICT-enabled tools and electronic resources in teaching-learning activities. As a university policy, all faculty members are given laptops, which are then replaced every 6 years.

With installation of high definition cameras in classroom, thousands of hours of learning material have been made accessible to our students, to support asynchronous learning. MAHE prides itself for its library resources. Our health sciences and technical libraries house thousands of resources, even individual institutions have library facilities with large number of journal subscriptions both physical and electronic. Department of Library Science regularly conducts awareness workshops to create awareness among faculty members regarding availability of these e-resources.

Learning Management Systems (LMS) are used by many institutions of MAHE. BrightSpace Lighthouse is now in operation in five institutions including the sister campus at MTMC, Jamshedpur. Where there is a need, advanced ICT tools are available for teaching-

learning activities. Like the department of design has Computer Aided Design (CAD) with printers, MSLs has its own server with access to bioinformatics databases, all departments at MIT use licensed software like Matlab, Aspen and the Avionics laboratory has flight stimulator.

File Description	Documents
Details of ICT-enabled tools used during the year for teaching and learning	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/2_3_3-List_of ICT_tools-2023-Edited.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/2_3_3-List_of ICT_tools-2023-Edited.pdf</a>
List of teachers using ICT-tools	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/2_3_3-List-of-ICT-trained-teachers.xlsx">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/2_3_3-List-of-ICT-trained-teachers.xlsx</a>
Any other relevant information	<u>Nil</u>

#### 2.3.4 - Student: Mentor Ratio (preceding academic year)

Total number of mentors in the preceding academic year	Total number of students in the preceding academic year
2041	16774

File Description	Documents
Details of fulltime teachers/other recognized mentors and students for the year	<a href="#">View File</a>
Allotment order of mentor to mentee and records of mentors and mentees meetings for the year	<a href="#">View File</a>
Copy of circular pertaining to the details of mentor and their allotted mentees	<a href="#">View File</a>
Approved Mentor list as announced by the HEI	<a href="#">View File</a>
Log Book of mentors	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of fulltime teachers against sanctioned posts during the year

**3028**

File Description	Documents
List of fulltime teachers and sanctioned posts for the year (Certified by the Head of the Institution)	<a href="#">View File</a>
Position sanction letters by competent authority	<a href="#">View File</a>
Appointment letters of faculty during the year	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

### 2.4.2 - Number of fulltime teachers with Ph.D./D.Sc./D.Lit./ DM/M Ch/DNB in super specialities /other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils during the year

#### 2.4.2.1 - Number of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/M Ch/DNB in super specialities

**/ other PG degrees (like MD/ MS/ MDS etc.) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils. During the year data to be entered**

**1257**

File Description	Documents
List of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/MCh/DNB in super specialities / other PG degrees (like MD/ MS/ MDS etc.) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils and the number of fulltime teachers for the year	<a href="#">View File</a>
Copies of Guide-ship letters or authorization of research guide provide by the competent authority	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**2.4.3 - Teaching experience of fulltime teachers in number of years (preceding academic year)**

**35221**

File Description	Documents
List of fulltime teachers including details of their designation, department, total number of years of their teaching experience	<a href="#">View File</a>
Experience certificate of fulltime teacher	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**2.4.4 - Number of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the year**

**3028**

File Description	Documents
List of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the year	<a href="#">View File</a>
Reports of the e-training programmes	<a href="#">View File</a>
Certificate of completion of training for development of and delivery of e-contents / e-courses / video lectures / demonstrations	<a href="#">View File</a>
Web-link to the contents delivered by the faculty hosted in the HEI's website	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-4-4-Lecture-contents-delivered-by-faculty-members-Samples&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-4-4-Lecture-contents-delivered-by-faculty-members-Samples&amp;eeListID=1</a>
List of e-contents / e courses / video lectures / demonstrations developed	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**2.4.5 - Number of fulltime teachers who received awards and recognitions for excellence in teaching, student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations / academies during the year**

**264**

File Description	Documents
Institutional data in the prescribed format/ Data Template	<a href="#">View File</a>
Certified e-copies of award letters (scanned or soft copy)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**2.5 - Evaluation Process and Reforms**

**2.5.1 - Number of days from the date of last semester-end/ year- end examination to the date of declaration of results during the year**

**2.5.1.1 - Number of days from the date of last semester-end/ year- end examination to the date of declaration of results in the year**

**16195**

File Description	Documents
List of Programmes and dates of declaration of last semester-end and yearend examination results	<a href="#">View File</a>
Reports from Controller of Exam (COE) office/ Annual reports mentioning the relevant details	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year**

**1207**

File Description	Documents
Certificate from Registrar / Controller of examination / Data on student grievances from the office of the Registrar (Evaluation)	<a href="#">View File</a>
Minutes of the grievance cell / relevant body	<a href="#">View File</a>
List of complaints / grievances during the year	<a href="#">View File</a>
List of students who appeared in the exams during the year (Data template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**2.5.3 - Evaluation-related Grievance Redressal mechanism followed by the Institution. The University adopted the following for the redressal of evaluation-related grievances.**

**1. Double valuation/Multiple valuation with appeal process for re totalling/revaluation and access to answer script**



File Description	Documents
Provide links to the examination procedure and re-evaluation procedure developed by the Institution and duly hosted in the Institution's website	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/Examination-Revaluation-procedures-for-website-verified-13_10_23.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/Examination-Revaluation-procedures-for-website-verified-13_10_23.pdf</a>
Report of the Controller of Examination/ Registrar evaluation regarding the Grievance Redressal mechanism followed by the Institution	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

2.5.4 - Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system. Describe examination reforms implemented by the University during the year with reference to the following within 100 - 200 words

With more than 300 academic programs on offer, Manipal Academy of Higher Education (MAHE) has its courses governed by numerous regulatory bodies like MCI, DCI, PCI, NCI, COA, AICTE and UGC. In a phenomenal move, MAHE introduced paperless exams in 2015 and since then all theory exams are conducted using electronic writing pads (e-pad).

E-pads also facilitates capturing difficulty level of questions, biometric authentication of candidates, encryption of question papers, decryption just prior to start of exam, strict adherence of exam duration, digital tabulation of marks and does away with distribution and collection of papers.

Full academic transparency for the learner and academic data is made available to all stakeholders with the help of a custom made Microsoft Dynamics based ERP called 'Student Life Cycle Management System' with finance gateway integrated. SLCM also allow students to apply for the "paper seeing" and revaluation by making the necessary payment online. As per the UGC guidelines, MAHE has introduced "revaluation on request" since 2016.

MAHE permits online verification of Certificates and Transcripts by both internal and external stakeholders. The latest addition to this process is the initiation of uploading the student marks cards and degree certificates to National Academic Depository.

File Description	Documents
Details of examination reforms implemented during the year	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-5-4-Examination-reforms-2023&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-5-4-Examination-reforms-2023&amp;eeListID=1</a>
Any other relevant information	<a href="#">View File</a>

**2.5.5 - Status of automation of Examination division using Examination Management System (EMS) along with approved online Examination Manual Options (Choose an applicable option):**

A. Complete automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Snapshot of EMS used by the Institution	<a href="#">View File</a>
Copies of the purchase order of the software/AMC of the software	<a href="#">View File</a>
The present status of automation., Invoice of the software, & screenshots of software	<a href="#">View File</a>
Annual report of examination including present status of automation as approved by BOM / Syndicate / Governing Council	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**2.6 - Student Performance and Learning Outcomes**

2.6.1 - The Institution has stated learning outcomes /graduate attributes as per the provisions of Regulatory Bodies which are integrated into the assessment process and widely publicized through the website and other documents Provide details of the stated learning outcomes for each programme / course as stipulated by the appropriate Regulatory Body and the methods followed by the Institution for assessment of the same within 100 - 200 words

Adherence to regulatory body guidelines vis-à-vis learning outcomes and graduate attributes is given utmost importance at MAHE. The learning outcomes in the form of Program Education Objectives (PEO), Program Outcomes (PO), Course Outcomes (CO), of all institutions are

well delineated, posted on the university website for all stakeholders to be aware of it. There is elaborate mapping of COs to POs. The graduate attributes or qualification descriptors are listed and described for clarity.

Our nursing college, MCON in 2019 oriented its curriculum and assessment in lieu with guidelines of the Indian Nursing Council (INC), the national statutory body that regulates nursing curriculum. MCOPS states in great detail 16 course outcomes for their BPharm course and that is the mainstay in all our institutions.

In MIT, curriculum design takes inputs from faculty, industry, alumni and students. Department faculty council and administrative bodies like Department Curriculum Committee, Board of Studies and academic council then in a consultative fashion fine tune any change in curriculum. The assessment designs are again let known to all stakeholders by the way of having it on our website, informing students and parents during orientation and during other orientation sessions that deal with examinations.

File Description	Documents
Relevant documents pertaining to learning outcomes and graduate attributes	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-6-1-Relevant-documents-pertaining-to-Learning-Outcomes-and-Graduate-Attributes&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-6-1-Relevant-documents-pertaining-to-Learning-Outcomes-and-Graduate-Attributes&amp;eeListID=1</a>
Methods of the assessment of learning outcomes and graduate attributes	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-6-1-Methods-of-assessment-of-Learning-Outcomes-and-Graduate-Attributes&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-2%2F2-6-1-Methods-of-assessment-of-Learning-Outcomes-and-Graduate-Attributes&amp;eeListID=1</a>
Any other relevant information	No File Uploaded

## 2.6.2 - Pass percentage of final year students in the year

### 2.6.2.1 - Number of final year students of all the programmes, who passed in the university examinations in the year

7166

File Description	Documents
List of Programmes and the number of students appeared and the number of students passed in the final year examination for the year	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Link for the annual report of examination results as placed before BoM/ Syndicate/ Governing Council for year	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/2_6_2_-PROGRAMS-WITH-NUMBER-OF-STUDETNS-APPEARED-AND-PASSED_.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-2/2_6_2_-PROGRAMS-WITH-NUMBER-OF-STUDETNS-APPEARED-AND-PASSED_.pdf</a>
Any other relevant information	<a href="#">View File</a>

## 2.7 - Student Satisfaction Survey

### 2.7.1 - Online student satisfaction survey regarding teaching learning process

File Description	Documents
Any other relevant information	No File Uploaded
Database of all currently enrolled students (Data Template)	<a href="#">View File</a>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The Institution has a well-defined Research promotion policy and the same is uploaded on the Institutional website

Research and Innovation contributes to advancement of knowledge and facilitates addressing societal challenges. The knowledge emanating from educational institutions in the form of research is widely disseminated in various forms including scientific publications, presentations at conferences, protection through intellectual property and developing products. Manipal Academy of Higher Education (MAHE) has been at the forefront of imparting quality education in the country. Apart from being an educational institution, MAHE has laid great emphasis on research advancement in recent years. In order to support and promote research and development activities of MAHE among its stakeholders such as faculty members, research scholars and students, MAHE has a well-established research promotion policy. The policy provides

comprehensive information and holistic approach to promote research among its constituent units. MAHE has added about 2741sq mtrof researchfacilities in the last year as per the following details.

MCBR-1

Ground Floor

609.61 Sqm.

First floor

594.80 Sqm.

Second floor

594.80 Sqm.

Terrace

14.32 Sqm.

TOTAL

1813.53 Sqm.

MCBR-2

Ground Floor

264.18 Sqm

First floor

291.52 Sqm.

TOTAL

555.70 Sqm.

VIROLOGY

**Third Floor ( Terrace Floor )**

**372.00 Sqm. (Completed)**

Significantly, MAHE spent about 150 crores INR this year on research related activities thereby enabling faculty members to immerse in basic and applied research.

File Description	Documents
Minutes of the meetings of Governing Council/ Syndicate/Board of Management for the year related to research promotion policy adoption	<a href="#">View File</a>
Document on Research promotion policy	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)**

**60.98**

File Description	Documents
Sanction letter of seed money to the faculty	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving seed money and details of seed money received (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**3.1.3 - Number of teachers awarded national/international fellowship/Financial support for advanced studies/collaborative research/conference participation in Indian and Overseas Institutions during the year**

**1657**

File Description	Documents
Certified e-copies of the award / recognition letters of the teachers	<a href="#">View File</a>
List of teachers and their national/international fellowship details (Data Templates)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year**

**274**

File Description	Documents
List of research fellows and their fellowship details	<a href="#">View File</a>
E copies of fellowship award letters	<a href="#">View File</a>
Registration and guide / mentor allocation by the Institution	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.1.5 - University has the following facilities  
 Central Research Laboratory / Central Research Facility Animal House/ Medicinal plant garden / Museum Media laboratory/Business Lab/e-resource Studios Research/Statistical Databases/Health Informatics Clinical Trial Centre Any other facility to support research**

**A. Any 5 of the Above**

File Description	Documents
Videos and geo-tagged photographs	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-1-5-Facilities-with-Geotagged-photos&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-1-5-Facilities-with-Geotagged-photos&amp;eeListID=1</a>
List of facilities provided by the University and their year of establishment (Data Template)	<a href="#">View File</a>
List of the facilities added in the current academic year	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**3.1.6 - Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by national and international agencies, (excluding mandatory recognitions by Regulatory Councils for UG /PG programmes)**

**3.1.6.1 - The Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by National and/or International agencies**

27

File Description	Documents
E-copies of departmental recognition award letters	<a href="#">View File</a>
List of departments and award details (Data Template)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**3.2 - Resource Mobilization for Research**

**3.2.1 - Grants for research projects /clinical trials sponsored by Non-Government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs etc., in the Institution during the year**

367.44



File Description	Documents
E-copies of the grant award letters for research projects sponsored by nongovernment organizations	<a href="#">View File</a>
List of project and grant details (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.2.2 - Grants for research projects/clinical research project sponsored by the Government funding agencies during the year**

**2145.19**

File Description	Documents
E-copies of the grant award letters for research projects sponsored by government agencies	<a href="#">View File</a>
List of projects and grant details (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.2.3 - Ratio of research projects/clinical trials per teacher funded by Government/Industries and Non-Government agencies during the year**

**3.2.3.1 - Number of research projects/clinical trials funded by Government /industries and non-government agencies during the year**

**385**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Supporting document/s from Funding Agencies	<a href="#">View File</a>
Copy of the letter indicating sanction of research project funded by Govt./Non-Govt agency and industry including names of teachers and amount in INR	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

### 3.3 - Innovation Ecosystem

#### 3.3.1 - Institution has created an ecosystem for innovations and entrepreneurship with an Incubation centre, entrepreneurship cell

Manipal Academy of Higher Education, Manipal is dedicated to fostering innovation among its stakeholders, including faculty, research scholars, staff, and students. In its pursuit of a comprehensive approach to nurturing ideas that can contribute to societal improvement, the institution has established an enabling ecosystem. This innovation and entrepreneurship ecosystem offers a centralized solution for innovators and entrepreneurs, consolidating all necessary facilities within a single campus.

Manipal Universal Technology Business Incubator (MUTBI), established in 2010 by the National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India, is one of the 47 incubation centres. Some of the startups incubated at MUTBI have pioneered groundbreaking products, including a practice-based learning model for secondary schools, 3D printers, paper pens, and pencils. Additionally, low-cost prototypes have been developed for a water generator, telescope, dental implants, and a software solution for a cloud-enabled environment monitoring system for health.

Notable startups that have benefited from the incubator's support include:

- UNIARC SERVICES LLP,
- URWI MEDICAL INNOVATIONS PVT. LTD (BIONEST),
- MICROBOLITE RESEARCH & DEVELOPMENT PVT. LTD,
- IUVA LABS PVT. LTD,
- EIKONAX INNOVATIVE SOLUTIONS PVT. LTD (BIONEST),
- AIRONC HEALTH TECHNOLOGIES PVT. LTD,
- AARAY HEALTH SOLUTIONS PVT. LTD,
- ALANTIS SCIENCES INDIA PVT. LTD,
- LEAD MOLECULES LLP,

- SCIOGEN BIOSCIENCES PRIVATE LIMITED,
- CURIUOZ TECHLAB PVT. LTD (BIONEST),
- REGENCO INNOVATIONS PVT. LTD,
- VYABJA OCULAR PVT. LTD (BIONEST),
- DRAVA LIFE SCIENCES PVT. LTD,
- BIOBREATH HEALTH SOLUTIONS PVT. LTD,
- SERAGEN BIOTHERAPEUTICS PVT. LTD,
- KONKAN KAYAKS PVT. LTD,
- SCIRES TECHNOLOGIES PVT. LTD,
- TAD AIRCON PVT. LTD,
- SENZTECH TECHNOLOGIES PVT. LTD.

File Description	Documents
Geotagged photographs of the facilities and innovations made	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

3.3.2 - Workshops/seminars conducted on Intellectual Property Rights (IPR) Research methodology, Good clinical Practice, Laboratory, Pharmacy and Collection practices, Research Grant writing and Industry-Academia Collaborations during the year

The teachers, research scholars, and postgraduate students of MAHE are being made more aware through the organization of workshops and seminars. The legal rights bestowed with the intention of safeguarding intellectual works are referred to as intellectual property rights. Legal protection for intellectual property includes patents, copyrights, trademarks, and other rights that allow persons to profit financially or gain notoriety from their inventions. Academic specialists conduct workshops on the awareness and procedures of these. Specialists from several authorities are consulted to brief the researchers on intellectual property rights.

The methodical way a researcher plans a study to guarantee accurate

and trustworthy findings that meet the goals and objectives of the research is known as research methodology. In the orientation program, newly hired faculty members receive a briefing on research techniques from the beginning. In order to conduct research ethically from the time an idea is conceived until the time a paper is published, they are also taught research ethics. Faculty members can also attend webinars and meetings with experts from various indexing agencies about subtleties etc.

File Description	Documents
Reports of the events	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-3-2-Workshopsseminars-conducted-on-Intellectual-Property-Rights-IPR&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-3-2-Workshopsseminars-conducted-on-Intellectual-Property-Rights-IPR&amp;eeListID=1</a>
List of workshops/seminars on the above conducted during the year	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-3-2-List&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-3-2-List&amp;eeListID=1</a>
Any other relevant information	<a href="#">View File</a>

### 3.3.3 - Number of awards / recognitions received for innovation / discoveries by the Institution/teachers/research scholars/students from recognized bodies during the year

#### 3.3.3.1 - Total number of awards/recognitions received by the Institution/teachers/research scholars/students from recognized bodies during the year

127

File Description	Documents
E-Copies of award letters (scanned or soft copy) for innovations with details of awardee and awarding agency	<a href="#">View File</a>
Link to appropriate details on the Institutional website	<a href="https://www.manipal.edu/mu/news-events.html#/page/17">https://www.manipal.edu/mu/news-events.html#/page/17</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 3.3.4 - Number of start-ups incubated on campus during the year

#### 3.3.4.1 - Number of start-ups incubated on campus during the year (a startup to be counted only

once)

47

File Description	Documents
Registration letter	<a href="#">View File</a>
E- sanction order of the University for the start-ups on the campus	<a href="#">View File</a>
Contact details of the promoters	<a href="#">View File</a>
List of start-ups- details like name of the start-up, nature, year of commencement etc (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.4 - Research Publications and Awards**

**3.4.1 - The Institution has a stated Code of Ethics for research, the implementation of which is ensured by the following Research methodology with course on research ethics Ethics committee Plagiarism check Committee on Publication guidelines**

**A. All of the Above**

File Description	Documents
Institutional code of Ethics document	<a href="#">View File</a>
Course content of research ethics and details of members of Ethics Committee	<a href="#">View File</a>
Copy of software procurement for plagiarism check	<a href="#">View File</a>
Minutes of the relevant committee meetings for the year with reference to the code of ethics	<a href="#">View File</a>
Details of committee on publication guidelines	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

<p><b>3.4.2 - The Institution provides incentives for teachers who receive state,national or international recognitions/awards. Options: Career Advancement Salary increment Recognition by Institutional website notification Commendation certificate with cash award</b></p>	<p><b>A. All of the Above</b></p>
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File Description	Documents
Policy on Career advancement for the awardees	<a href="#">View File</a>
Policy on salary increment for the awardees	<a href="#">View File</a>
Snapshots of recognition of notification in the HEI's website	<a href="#">View File</a>
Copy of commendation certificate and receipt of cash award	<a href="#">View File</a>
List of the awardees and list of awarding agencies and year with contact details for the year	<a href="#">View File</a>
Incentive details (link to the appropriate details on the Institutional website)	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**3.4.3 - Number of Patents/ Copyrights published/awarded/technology-transferred during the year**

**3.4.3.1 - Total number of Patents/ Copyrights published/awarded/ technology-transferred during the year**

**85**

File Description	Documents
List of patents/Copyrights and the year they were published/awarded	<a href="#">View File</a>
E- copies of the letters of award/ publication of patent/copyright/ technology-transferred	<a href="#">View File</a>
Technology transfer document	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.4.4 - Number of Ph.D/ DM/ M Ch/ PG Degree in the respective disciplines awarded per recognized PG teacher of the Institution during the year**

**3.4.4.1 - Number of Ph. Ds /DM/M Ch/PG degrees in the respective disciplines awarded per recognized PG teacher of the Institution during the year**

**765**

File Description	Documents
List of PhD/DM/M Ch candidates with details; like name of the guide, title of the thesis, year of award, award letter etc	<a href="#">View File</a>
Web page for research in the Institutional website.	<a href="https://www.manipal.edu/mu/directorate-of-research.html">https://www.manipal.edu/mu/directorate-of-research.html</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**3.4.5 - Number of research papers per teacher in the approved list of Journals in Scopus / Web of Science/ PubMed during the academic year**

File Description	Documents
List of research papers by title, author, department, name and year of publication and Scopus/Web of Science/PubMed list ref. No: (Data Template) /link	<a href="#">View File</a>
Names of the indexing databases	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**3.4.6 - Number of research papers per teacher in the approved list of Journals notified in UGC-CARE list during the academic year**

**3.4.6.1 - Number of research papers in the approved list of Journals notified on UGC website during the year**

**3244**



File Description	Documents
List of research papers with title, author, department, name and year of publication and UGC list ref. No: (link)	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-4-6-List-of-research-papers-with-title&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-4-6-List-of-research-papers-with-title&amp;eeListID=1</a>
Names of the indexing databases	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**3.4.7 - Number of books/ chapters in edited volumes and papers in National/International conference-proceedings published per teacher and indexed in Scopus/Web of Science/ PubMed UGC-CARE list during the year**

**3.4.7.1 - Number of books/ chapters in edited volumes and papers in National/International conference-proceedings published per teacher and indexed in Scopus/Web of Science/ PubMed during the academic year**

563

File Description	Documents
List of books and chapters in edited volumes / books published (Data Template)	<a href="#">View File</a>
List of names of publishers: National/ International	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**3.4.8 - Bibliometrics of the publications during the calendar year based on average Citation Index in Scopus/ Web of Science**

4.02

File Description	Documents
List of the publications during the year	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**3.4.9 - Provide Scopus/ Web of Science – h-index of the Institution for the academic year**

164

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 3.5 - Consultancy

3.5.1 - Institution has a policy on IPR and consultancy including revenue sharing between the Institution and the individual, besides a training cum capacity building programme for teachers, students and staff for undertaking consultancy

Manipal Academy of Higher Education (MAHE), Manipal has IPR/Consultancy policy that is applicable for employees, faculty members, staff (permanent and temporary), visiting scholars, fellows, research scholars, and students associated with MAHE. The IPR policy broadly covers following domains of IP. The University holds the IP wherein University resources are used whereas the author can retain the ownership of the copyright of original work and eligible for financial gain as per the conditions of MAHE. In instances where the patent is owned by the University, the inventor(s) has(ve) the right on such form of the intellectual property till the time protection of such IP is agreed upon by the University and inventor(s). The University reserves the right to initiate discussions on sales/license or technology transfer of patents or other forms of intellectual property, as the case may, and which are deemed suitable for such activity. Upon a successful outcome through sale/license or technology transfer, the revenue sharing from either sale/license or transfer of technology shall be as specified in the royalty terms.

File Description	Documents
Minutes of the Governing Council/ Syndicate/Board of Management related to IPR and consultancy policy	<a href="https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html">https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html</a>
Link to the soft copy of the IPR and Consultancy Policy	<a href="https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html">https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html</a>
List of the training / capacity building programmes conducted during the year	<a href="https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html">https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html</a>
Any other relevant information	<a href="https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html">https://www.manipal.edu/mu/directorate-of-research/technology-transfer-office/policies-and-forms.html</a>

### 3.5.2 - Revenue generated from advisory / R&D consultancy projects (exclude Patients consultancy) including Clinical trials during the year

#### 3.5.2.1 - Total amount generated from consultancy during the year (INR in lakhs)

749.25

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy/clinical trials	<a href="#">View File</a>
CA certified copy/Finance Officer Certified copy attested by head of the Institution	<a href="#">View File</a>
List of consultants and revenue generated by them (Data Template)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 3.6 - Extension Activities

**3.6.1 - Extension and outreach activities such as community Health Education, Community health camps, Tele-conferences, Tele-Medicine consultancy etc., are conducted in collaboration with industry, Government and Non- Government Organisations engaging NSS/NCC/Red**

**Cross/YRC, Institutional clubs etc., during the year**

**3.6.1.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

264

File Description	Documents
Photographs or other relevant supporting document	<a href="#">View File</a>
Detailed program report for each extension and outreach program with specific mention of number of students and collaborating agency participated	<a href="#">View File</a>
Description of participation by NSS/NCC/Red cross/YRC, Institutional clubs etc., for the year	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**3.6.2 - Number of students participating in extension and outreach activities beyond the curricular requirement as stated at 3.6.1**

10907

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Number of extension and outreach activities conducted with industry, community health camps etc., for the year (Data Template)	<a href="#">View File</a>
Geo tagged Photos of events and activities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**3.6.3 - Number of awards and recognitions received for extension and outreach activities from Government / other recognized bodies during the year**

Number of awards and recognitions received: 41

MAHE has established numerous initiatives aimed at addressing

societal challenges and promoting sustainable development.

One notable facet of MAHE's social service endeavors is its emphasis on healthcare outreach. Through thousands of mobile clinics, health camps, and community health programs, MAHE extends medical assistance to underserved populations, thereby improving healthcare accessibility and promoting well-being. Also, Manipal Arogya Suraksha is a discounted healthcare treatment facility wherein the enrolled public will get the treatment at a subsidized rate. Some of the recognitions received for Health care services are Best Hospital - Orthopaedic, South at the Economic Times Health Awards - 2022, "Dheera" award to Dr Pratap Kumar for the work done for Women's health, Best New Toxicology lab in a hospital, International Reference Centre for Palliative and End of Life Care to KMC Manipal etc..

Furthermore, MAHE actively engages in educational outreach initiatives, providing educational support to disadvantaged communities through programs such as adult literacy classes, skill development workshops, and scholarships for deserving students.

Environmental conservation is another key focus area for MAHE, with initiatives ranging from waste management drives to tree planting campaigns, contributing to environmental sustainability and ecological awareness.

By actively participating in these social service and extension activities, MAHE not only enriches the lives of individuals and communities but also instills in its students a sense of social responsibility and empathy, preparing them to become conscientious global citizens committed to making a positive difference in the world.

File Description	Documents
Number of awards for extension activities in the year- e-copy of the award letters	<a href="#">View File</a>
List of Government/other recognized bodies that have given the awards	<a href="#">View File</a>
Any other relevant information	No File Uploaded

3.6.4 - Institutional social responsibility activities in the neighborhood community in terms of education, environmental issues like Swachh Bharath, health and hygiene awareness, delivery of free/ subsidized health care and socio-economic development issues carried out by the students and staff,

including the amount of expenditure incurred during the year

Manipal Academy of Higher Education (MAHE) was founded by Dr. T M A Pai, a legend and philanthropist with the intent of changing rural India by fighting against poverty, illiteracy and ill-health. MAHE is an university with an open door academic policy, irrespective of caste, creed or political belief. It has been a pioneer institution in making higher education available to women and rural population and the first university to embark on public private participation to provide healthcare to the under privileged population of coastal Karnataka. MAHE supports the cause of public welfare, universal education and affordable quality healthcare access to the community. The university strives to foster this commitment to the academic community, and to wider society, through all of its operations and activities. Social Impact Assessment at MAHE includes the processes of analyzing, monitoring and managing the intended and unintended social consequences, both positive and negative, of planned interventions (policies, programs, plans, projects) and any social change processes invoked by those interventions. Its primary purpose is to bring about a more sustainable and equitable biophysical and human environment. MAHE endeavors to conduct its operations in accordance with the six values identified by the Management - Integrity, Transparency, Quality, Team work, Execution with passion and humane touch.

Total amount incurred on Institutional Social Responsibility activities for the period 2022-23 is Rs. 6.631.07 lakhs

File Description	Documents
Geotagged photographs of Institutional social responsibility activities	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-6-4-Geotagged-Photo-and-report&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-6-4-Geotagged-Photo-and-report&amp;eeListID=1</a>
Link for additional information	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-3/3-6-4-Geotagged-Photo-and-report/3_6_4.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-3/3-6-4-Geotagged-Photo-and-report/3_6_4.pdf</a>
Link for additional information	<u>Nil</u>

### 3.7 - Collaboration

#### 3.7.1 - Number of Collaborative activities for research, faculty exchange, student exchange/ Industry-internship etc conducted during the year

**3.7.1.1 - Total number of Collaborative activities for research, faculty exchange, student exchange during the year**

53

File Description	Documents
List of Collaborative activities for research, faculty exchange etc., (as per Data Template)	<a href="#">View File</a>
Certified copies of collaboration documents and exchange visits	<a href="#">View File</a>
Link with collaborating Institution's website	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-7-1-Number-of-Collaborative-activities&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-3%2F3-7-1-Number-of-Collaborative-activities&amp;eeListID=1</a>
Any other relevant information	No File Uploaded

**3.7.2 - Presence of functional MoUs with Institutions/ industries in India and abroad for academics, clinical training / internship, on-the-job training, project work, student / faculty exchange, collaborative research programmes etc., during the year**

**3.7.2.1 - Number of functional MoUs for faculty exchange, student exchange, academics, clinical training, internship, on-the-job training, project work, collaborative research programmes etc., during the year**

66

File Description	Documents
E-copies of the functional MoU's with institution/ industry/ corporate house, Indicating the start date and completion date	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate physical facilities for teaching –learning, skills acquisition etc.

To ensure a robust learning environment across campuses, MAHE emphasis on tools like LCD facilities, Wi-Fi, and smart classrooms. Each unit is equipped with standard audio-visual aids, permanent libraries, and simulation laboratories, fostering effective training

and research. Continuous expansion is evident with added classrooms, seminar halls, and demo rooms.

This year, the MTMC Jamshedpur has a total of 22 large lecture halls and 6 large seminar halls, where the SMI Bengaluru has added 116 classrooms, 7 seminar halls. The TAPMI Bengaluru added 04 new classrooms, while DLHS Bengaluru added 13 classrooms and 01 seminar hall. The DOC Bengaluru added 01 class room and 01 seminar hall, while MLS Bengaluru added 2 class rooms and 2 seminar halls.

With reworking of the existing campus facilities, WGSMA Manipal now has 14 class rooms, 04 seminar halls and 13 demo rooms, while the MSAP Manipal's new facility consist of 10 class rooms, 1 big seminar hall, 32 demo rooms. With these additions MAHE has 940 total class rooms, 501 well-equipped laboratories. Beyond academics, MAHE prioritizes intellectual curiosity, providing exclusive facilities for students outside the classroom.

File Description	Documents
Teaching- learning and skills acquisition facilities in the Institution	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1">https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1</a>
Geotagged photographs of the facilities	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1">https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1</a>
Any other relevant information	<u>Nil</u>

4.1.2 - The Institution has adequate facilities to support physical and recreational requirements of students and staff: sports, games (indoor, outdoor), gymnasium, auditorium, yoga centre etc. and for cultural activities

MAHE's dynamic campus, renowned for diversity and interdisciplinary collaboration, serves as a blend of cultural and sports activities. The extensive sports infrastructure spans outdoor facilities like athletic grounds, hockey, and football fields, while the Marena Sports Complex provides indoor amenities. Annual events include inter-collegiate tournaments, athletics, basketball, badminton, and more.

Cultural engagement thrives through student clubs, with multiple auditoriums like the Convention Centre, MIT Quadrangle, and KMC Greens hosting large audiences. Specialized venues such as WGSMA's Chaitya Hall and KMC's TMA Pai Hall enrich the cultural experience. The Hebbar Gallery, open-air amphitheatres, and the Gangubhai



Hanagal indoor stadium contribute to a vibrant artistic environment. Yakshagana Kalakendra offers unique folk art training opportunities, reflecting MAHE's commitment to holistic student development and a diverse extracurricular landscape.

File Description	Documents
Available sports and cultural facilities: with geotagged photos	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1">https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1</a>
Any other relevant information	<u>Nil</u>

**4.1.3 - Availability and adequacy of general campus facilities and overall ambience**

MAHE sprawls across 600 acres, housing administrative and institutional buildings, hostels, and staff residences. Kasturba hospital provides healthcare via the Medicare scheme, accessible without payment. Central food courts, canteens, and shops meet dining needs, and amenities like post offices, banks, and ATMs are conveniently located. Well-maintained roads connect all areas. Central utilities, including sewage and water treatment, and a multilevel car park, are managed efficiently. The Department of General Services oversees estates, security, and maintenance.

Sub-divisions like Civil, Ancillary, Electrical, HVAC, Telecommunications, and Transportation manage infrastructure, housekeeping, power supply, telecommunications, and transportation. Specialized departments ensure efficient operations, emphasizing green energy, resource optimization, and upgrading to energy-efficient technologies. This holistic approach guarantees a well-managed, secure, and functional environment for students and staff across multiple locations.

File Description	Documents
Geotagged Photographs of Campus facilities	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1">https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1</a>
Any other relevant information	<u>Nil</u>

**4.1.4 - Number of expenditure incurred, excluding salary, for infrastructure development and augmentation during the year**

**4.1.4.1 - Number of expenditure incurred, excluding salary, for infrastructure development and augmentation during the year (INR in lakhs)**

**118076.19**

File Description	Documents
Audited report / utilization statements (highlight relevant items)	<a href="#">View File</a>
Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**4.2 - Clinical, Equipment and Laboratory Learning Resources**

4.2.1 - Teaching Hospital/s, Equipments, Laboratory and clinical teaching-learning facilities including equipment as per the norms of the respective Regulatory Bodies

MAHE prioritizes active learning and advanced healthcare through its extensive infrastructure. The teaching hospitals, accredited by NABL, offer diverse diagnostic services, including surgical pathology and genetic testing. Advanced technologies like flow cytometry, PET scans, MRIs, and COVID-19 testing are strategically placed. Kasturba Hospital, Manipal, continuously integrates cutting-edge technologies, hosting specialized centers and providing various facilities. Hospitals focus on specific diseases, such as KMC Mangaluru's neonatal unit that has significantly reduced neonatal mortality. Accredited by NABH, ISO, and others, the hospitals ensure trustworthiness, with committees monitoring patient care and safety. The year 2019 marked patient-centric initiatives with enhanced facilities. Additionally, institutions like Manipal-TATA Medical College, Manipal College of Dental Sciences, College of Pharmaceutical Sciences, and College of Health Professions contribute to MAHE's excellence in medical education, research, and healthcare delivery.

File Description	Documents
The facilities as per the stipulations of the respective Regulatory Bodies with Geotagged photos	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-1%2FAS-PER-REGULATIONS_WEBLINKS&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-1%2FAS-PER-REGULATIONS_WEBLINKS&amp;eeListID=1</a>
List of facilities available for patient care, teaching- learning and research with geotagged evidences	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-1%2FGEO-TAGGED&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-1%2FGEO-TAGGED&amp;eeListID=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-1%2FLIST-OF-PATIENT-CARE&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-1%2FLIST-OF-PATIENT-CARE&amp;eeListID=1</a>

4.2.2 - Describe the adequacy of both outpatients and inpatients in the teaching hospital vis-a-vis the number of students trained and programmes offered (based on HIMS / EMR)

Under MAHE, seven hospitals operate in Manipal, Mangaluru, and Jamshedpur. KMC, Manipal, operates at Kasturba Hospital, Dr TMA Pai Rotary Hospital, and Dr TMA Pai Hospital. MCODS, Manipal, offers dental services. KMC, Mangalore, collaborates with Kasturba Hospital, Wenlock Hospital, and Lady Goschen Hospital. TMH, Jamshedpur, is the teaching hospital for MTMC Jamshedpur. Focused on quality and affordable healthcare, these hospitals serve diverse patients and adhere to a patient-centric approach. Kasturba Hospital, Manipal, established in 1961, is a model teaching hospital with 2032 beds. KMC Hospital, Mangalore, a 600-bed facility, excels in medical expertise. Partnerships with government hospitals offer unique community-level healthcare experiences for students. Tata Main Hospital, Jamshedpur, provides similar experiences. With rotations in specialty departments, students gain an immersive learning experience, evident in the steady increase in patient numbers over the last five years.

File Description	Documents
Outpatient and inpatient statistics for the year	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-2/4-2-2/OP-AND-IP_STATISTICS/NAAC-4_2_2-WORKING-SHEET-ADD-STUDENT-DATA-HERE.xlsx">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-2/4-2-2/OP-AND-IP_STATISTICS/NAAC-4_2_2-WORKING-SHEET-ADD-STUDENT-DATA-HERE.xlsx</a>
Description of the adequacy of outpatient and inpatient statistics as per the norms of the Regulatory Bodies (critical documents to be verified by DVV)	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-2%2FADEQUACY-OF-IP-AND-OP-STATS&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-2%2F4-2-2%2FADEQUACY-OF-IP-AND-OP-STATS&amp;eeListID=1</a>
Link to hospital records / Hospital Management Information System	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-2/4-2-2/LINKS-PMS-SCREENSHOT/Screenshots-of-PMS-Software.docx">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-2/4-2-2/LINKS-PMS-SCREENSHOT/Screenshots-of-PMS-Software.docx</a>

<b>4.2.3 - Availability of infrastructure for community-based learning. Institution has: Attached Satellite Primary Health Centers Attached Rural Health Centers for training of students Attached Urban Health Centre for training of students Residential facility for students / trainees at the above peripheral health</b>	<b>A. All of the Above</b>
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File Description	Documents
Geotagged photographs of Health Centers	<a href="#">View File</a>
Government Order on allotment/assignment of PHC to the Institution	<a href="#">View File</a>
Documents of resident facility	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<b>4.2.4 - Is the Teaching Hospital / Clinical Laboratory accredited by any National Accrediting Agency? NABH accreditation NABL accreditation International accreditation like JCI, ISO certification of departments /Institution GLP/GCLP</b>	<b>B. Any 4 of the Above</b>
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**accreditation.**

File Description	Documents
Copies of the Certificate/s of Accreditations	<a href="#">View File</a>
Any other relevant documents	No File Uploaded
Data Template in prescribed format	<a href="#">View File</a>

**4.3 - Library as a Learning Resource**

4.3.1 - Library is automated using Integrated Library Management System (ILMS)

Manipal Academy of Higher Education (MAHE), Manipal has 15 libraries in Manipal, Mangaluru, Bengaluru, and Jamshedpur campuses.

Libraries have fully computerized their collection and services using EasyLib library management software in the year 2004, then upgraded with Koha Library Management Software in the year 2018. Presently, all the collection and services of MAHE libraries have been fully automated using Koha library management software.

All libraries are enabled with Wi-Fi facilities and security systems with Closed Circuit Television (CCTV) and Access control. The KMC Health Sciences Library, Manipal, KMC Central Library, Mangaluru and MAHE Bengaluru Library are enabled with RFID technology. All libraries have introduced OpenAthens software, enabling the users to access the library's subscribed e-resources from any part of the world (remote access). The libraries provide various research/project support services such as access to Turnitin (plagiarism check), Grammarly (online grammar and spelling checker), author workshops, literature search service, access to bibliographical and citation tools (Scopus and Web of Science).

Other services offered by libraries include reference service, current awareness service, circulation, photocopying, inter-library loan/document delivery, computer services, book bank facility, access to question paper archive, display of faculty publications, display of new acquisitions, and training in accessing e-resources.

File Description	Documents
Geotagged photographs	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-3%2F4-3-1&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-3%2F4-3-1&amp;eeListID=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-3/4-3-1/4_3_1-Library-Management-System.docx">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-3/4-3-1/4_3_1-Library-Management-System.docx</a>

4.3.2 - Number of books and reference volumes as well as collection of ancient books, manuscripts, Digitalized traditional manuscripts, Discipline-specific learning resources from ancient Indian languages, special reports or any other knowledge resource for library enrichment especially with reference to traditional systems of medicines

MAHE Libraries are deeply committed to provide physical as well as virtual access to books, journals, online databases and other materials to the students, faculty members and researchers. MAHE libraries have varied collection of print textbooks, reference volumes/books, ancient books/manuscripts, theses/projects, reports in diverse fields. Total number of textbooks and reference volumes/books are 12903 and 1090 respectively (year 2022-23). The ancient books are 2852. Theses/projects and Reports are 29161 and 2095 respectively. CDs, audio-visual materials are 10087.

The libraries provide a growing range of e-resources (online databases, online journals and e-books) on the campus network as well as remotely through OpenAthens software. The KMC Health Sciences Library, Manipal, KMC Central Library Mangaluru and MIT Central Library, Manipal have provided 'Web-Scale Discovery Service' (Single Window Search tool) to find relevant information across all libraries subscribed e-resources and open-access resources using the single search box.

There are 50 online databases subscribed (year 2022-23) at MAHE Libraries for students, faculty and research scholars for their teaching/learning/clinical practice/research activities. MAHE libraries also provided access to 37350 online journals and 123744 e-books (year 2022-23). Further, total print journals subscribed are 973 (year 2022-23). 87942 bound volumes of journals also available at MAHE libraries.

File Description	Documents
Library acquisition data for the year	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-3%2F4-3-2&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-3%2F4-3-2&amp;eeListID=1</a>
Any other relevant information	<b>No File Uploaded</b>

**4.3.3 - Does the Institution have an e-Library with membership/ subscription for the following e – journals / e-books consortia e - ShodhSindhu Shodhganga SWAYAM Discipline-specific Databases**

**A. All of the Above**

File Description	Documents
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc. (Data Template)	<a href="#">View File</a>
E-copy of subscription letter/membership letter or related document with the mention of year	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**4.3.4 - Annual expenditure for purchase of books and journals (including e-resources) during the year**

**4.3.4.1 - Annual expenditure for purchase of books and journals during the year (INR in lakhs)**

**3728.89**

File Description	Documents
Provide consolidated extract of expenditure for purchase of books and journals during the year duly attested by Finance Officer	<a href="#">View File</a>
Audited Statement highlighting the expenditure for purchase of books and journal library resources	<a href="#">View File</a>
Proceedings of Library Committee meetings for the year for allocation of fund and utilization of fund	<a href="#">View File</a>
Details of annual expenditure for purchase of books and journals for the year (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**4.3.5 - E-content resources used by teachers/students Other MOOCs platforms SWAYAM Institutional LMS e-PG-Pathshala Any other Government Initiatives**

**B. Any 4 of the Above**

File Description	Documents
Give links or upload document of e-content developed	<a href="#">View File</a>
Supporting documents from the hosting agency for the e-content developed by the teachers	<a href="#">View File</a>
Give links e-content repository used by the teachers / Students	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-3/4-3-5#">https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-3/4-3-5#</a>
Data Template	<a href="#">View File</a>

**4.4 - IT Infrastructure**

**4.4.1 - Number of classrooms, seminar halls and demonstration rooms linked with internet /Wi-Fi enabled ICT facilities (data for the preceding academic year)**

**4.4.1.1 - Number of classrooms, seminar halls and demonstration room with ICT facilities**

**940**



File Description	Documents
Number of classrooms, seminar halls and demonstration room with ICT enabled facilities (Data Template)	<a href="#">View File</a>
Description of new facilities added during the preceding academic year	<a href="#">View File</a>
Consolidated list duly certified by the Head of the institution	<a href="#">View File</a>
Geotagged photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

4.4.2 - Institution frequently updates its computer availability for students and IT facilities including Wi-Fi

MAHE has implemented the Brightspace Learning Management System (LMS) across campuses, providing a cloud-based platform for creating, hosting, and editing online learning resources. The LMS features content creation tools, external platform integration, and video notes with closed captions. Single sign-on and the "Pulse" mobile app ensure easy access and a seamless learning experience on any device. Initial implementation occurred at KMC Manipal, KMC Mangaluru, MTMC Jamshedpur, MIT Manipal, and MIT Bengaluru in 2021-22, with expansion to 12 more institutions in 2022-23.

Simultaneously, MAHE is undergoing a three-year digital transformation with Project SHIFT. Stakeholders actively contribute to the roadmap, identifying 12 digital initiatives and 40 projects to enhance the education experience. These initiatives include a Central Research Management System, Augmented Performance Management System, and Smart Campus, aligning with the university's vision for a progressive future in higher education.

File Description	Documents
Documents relating to updation of IT and Wi-Fi facilities	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-4-2%2FIT-upgrade-4-4-2&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-4-2%2FIT-upgrade-4-4-2&amp;eeListID=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-4/4-4-2/Implementation-LMS-and-Brief-on-Digital-Transformation.docx">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-4/4-4/4-4-2/Implementation-LMS-and-Brief-on-Digital-Transformation.docx</a>

<b>4.4.3 - Available bandwidth of internet connection in the Institution (Leased line)</b>	<b>A. ?1 GBPS</b>
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File Description	Documents
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>
Bills for any one month of the last completed academic year indicating internet connection plan, speed and bandwidth	<a href="#">View File</a>
Annual subscription bill / receipt	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

4.4.4 - Facilities for e-content development such as Media centre, audio visual centre, Lecture Capturing System (LCS), etc.

MAHE prioritizes ICT integration for enhanced teaching and learning experiences. The campus boasts Wi-Fi connectivity with over 1 GBPS internet speed, and 940 rooms equipped with ICT facilities like LCD, Wi-Fi, smartboards, and audio-video recording. Out of which 195 rooms have recording facilities for e-content development. Impartus, a video-based learning platform, is implemented in 78 rooms, enabling automatic recording and distribution of lectures, and fostering collaborative learning. Virtual classrooms at Sir MV Seminar Hall in MIT facilitate real-time interactions, live-streaming guest lectures, and remote participation. The Audio Visual Department offers specialized services for photography, video coverage, and audio systems, benefiting healthcare institutes. Manipal Institute of Communication's studios provide hands-on training in audio-visual content production, using modern equipment. Additionally, Manipal Institute of Technology's Media Studio

features cutting-edge software and machinery for packaging design, prepress technology, quality testing, and color management, empowering students' creativity.

File Description	Documents
The e-content development facilities	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-1%2F4-1-1%2FGeotagged%2FMSAP&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-1%2F4-1-1%2FGeotagged%2FMSAP&amp;eeListID=1</a>
Geotagged photographs	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1/Geotagged">https://compliance.manipal.edu/naac/?ee=1&amp;eeListID=1&amp;eeFolder=Criteria-4/4-1/4-1-1/Geotagged</a>
Any other relevant information	Nil

#### 4.5 - Maintenance of Campus Infrastructure

##### 4.5.1 - Number of expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

84833.34 Lakhs

File Description	Documents
Audited statements of accounts on maintenance	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Template)	<a href="#">View File</a>
Link to ERP	<a href="https://finance.manipal.edu">https://finance.manipal.edu</a>
Any other relevant information	<a href="#">View File</a>

4.5.2 - There are established systems and processes for maintaining physical and academic support facilities: (laboratory, library, sports facilities, computers, classrooms, etc.)

MAHE has robust systems in place for both physical and academic support activities. The General Services Department oversees maintenance requests for institutional buildings, adhering to ISO standards. Routine activities like painting and water tank cleaning follow a schedule, with services like lifts and air-conditioning covered by annual contracts. Libraries are fully automated using modern software, offering remote access to e-resources. The campus

provides well-maintained indoor and outdoor sports facilities, including swimming pools. State-of-the-art computer labs, supported by an IT helpline, ensure smooth functioning. The transport department, with an in-house fleet and electric vehicles, meets mobility needs. Monthly review meetings led by the Director General Services ensure prompt issue resolution and discuss new initiatives.

**4.5.1 Number of expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year**

File Description	Documents
Minutes of the meetings of the Maintenance Committee for the year	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-5%2F4-5-2&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-5%2F4-5-2&amp;eeListID=1</a>
Log book or other records regarding maintenance works	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-5%2F4-5-2&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-5%2F4-5-2&amp;eeListID=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-5%2F4-5-2&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-4%2F4-5%2F4-5-2&amp;eeListID=1</a>

**STUDENT SUPPORT AND PROGRESSION**

**5.1 - Student Support**

**5.1.1 - Number of students benefited by scholarships /free-ships / fee-waivers by Government / Non-Governmental agencies / Institution during the year**

**5.1.1.1 - Number of students benefited by scholarships /freeships / fee-waivers by Government / Non-Governmental agencies / institutions during the year**

**22605**

File Description	Documents
Attested copies of the sanction letters from the sanctioning authorities	<a href="#">View File</a>
Consolidated document in favour of freeships and number of beneficiaries duly signed by the Head of the institution	<a href="#">View File</a>
List of students for the year who received scholarships/ freeships /fee-waivers	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

<b>5.1.2 - Institution implements a variety of capability enhancement and other skills development schemes</b> Soft skills development Language and communication skill development Yoga and wellness Analytical skill development Human value development Personality and professional development Employability skill development	<b>A. All of the Above</b>
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File Description	Documents
Detailed report of the Capacity-enhancement programs and other skills development schemes	<a href="#">View File</a>
List of capability enhancement and skill development schemes (Data Template)	<a href="#">View File</a>
Link to Institutional website	<a href="https://www.manipal.edu/mcon-manipal/news-events/seminar-on-soft-skills---team-buidling-and-motivation.html">https://www.manipal.edu/mcon-manipal/news-events/seminar-on-soft-skills---team-buidling-and-motivation.html</a>
Any other relevant information	<b>No File Uploaded</b>

**5.1.3 - Number of students benefited by guidance for competitive examinations and career advancement offered by the Institution during the preceding academic year**

**5.1.3.1 - Number of students benefited by guidance for competitive examinations and career advancement offered by the Institution during the preceding academic year**

**13627**

File Description	Documents
Copy of circular/brochure of such programs	<a href="#">View File</a>
List of students attending each of these schemes signed by competent authority	<a href="#">View File</a>
Program/scheme mentioned in the metric	<a href="#">View File</a>
List of students (Certified by the Head of the Institution) benefited by guidance for competitive examinations and career advancement offered by the Institution during the preceding academic year (Data Template)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

5.1.4 - The Institution has an active international student cell

**MAHE's Office of International Affairs and Collaborations**

The Office of International Affairs and Collaborations (OIAC) at MAHE offers various resources for international experiences, including:

- Study, research, and internships abroad: OIAC helps students with various programs and provides guidance on settling abroad.
- Student exchange: Promotes exchange programs with partner universities worldwide.
- Internships: Facilitates paid and volunteer internships through following student associations and international networks.
  - International Association for the Exchange of Students for Technical Experience (IAESTE) provides opportunities for internships and technical exchanges for students across the world.
  - AIESEC (International Association of Students in Economic and Commercial Sciences) facilitates non-technical internships with social organizations and industries.
  - SPIE (International Society for Optics & Photonics)
  - IPSF (International Pharmaceutical Students' Federation)
- MAESTRO: A portal that connects students with research internship opportunities. <https://maestro.manipal.edu/>

- **English language training:** Provides IELTS testing on campus.
- **International Students' Day:** Celebrates cultural diversity and exchange.
- **Summer/Winter schools:** Offers short immersion programs with cultural experiences.

OIAC aims to provide a comprehensive international experience for students, faculty, and staff.

File Description	Documents
International students' cell	<a href="https://www.manipal.edu/mu/about-us/international-collaboration.html">https://www.manipal.edu/mu/about-us/international-collaboration.html</a>
Any other relevant information	<u>Nil</u>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances / prevention of sexual harassment and prevention of ragging Adoption of guidelines of Regulatory Bodies Presence of the committee and mechanism of receiving student grievances (online/ offline) Periodic meetings of the committee with minutes Record of action taken**

**A. All of the Above**

File Description	Documents
The Institution has a transparent m	<a href="#">View File</a>
Circular/web-link/ committee report justifying the objectives of the metric	<a href="https://www.manipal.edu/mu/about-us/grievances.html">https://www.manipal.edu/mu/about-us/grievances.html</a>
Details of student grievances and action taken (Data Template)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 5.2 - Student Progression

**5.2.1 - Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/ GPAT/CAT/ GRE/TOEFL/ PLAB/ USMLE /Civil services/ Defense/UPSC/State government examinations/ PG-NEET/ AIMSGET, JIPMER Entrance Test, PGIMER Entrance Test etc.) during the preceding academic year**

643

File Description	Documents
Number of students qualifying in state/ nation	<a href="#">View File</a>
Pass Certificates in the examination	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**5.2.2 - Number of placement /self-employed professional services of outgoing students during the preceding academic year**

**5.2.2.1 - Number of outgoing students who got placed / self-employed during the preceding academic year**

**3891**

File Description	Documents
Self-attested list of students placed / self-employed	<a href="#">View File</a>
Details of student placement / self-employment during the preceding academic year (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**5.2.3 - Number of the graduates in the preceding academic year, who have had progression to higher education**

**5.2.3.1 - Number of outgoing students progressing to higher education**

**681**

File Description	Documents
List of students who have progressed to Higher education preceding academic year	<a href="#">View File</a>
Supporting data for students/alumni	<a href="#">View File</a>
Details of student progression to higher education (Data Template)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**5.3 - Student Participation and Activities**



**5.3.1 - Number of awards/medals for outstanding performance in sports/ cultural activities at state/regional/national/international events (award for a team event should be counted as one) during the year**

**5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at state/regional /national/international events (award for a team event should be counted as one) during the year**

172

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
List of awards/medals for outstanding performance in sports/cultural activities at national/international events during the year (Data Template)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**5.3.2 - Presence of Student Council and its activities for institutional development and student welfare**

**MAHE Student Councils: Bridging the Gap between Students and Administration**

Each institute at MAHE has a Student Council functioning as a bridge between students and the administration. Members are elected or nominated and represent their peers in areas like academics, extracurriculars, and grievance redressal.

**Key Functions:**

- Organize cultural, sports, and technical activities (national level!)
- Manage student projects and provide academic/mentoring support.
- Voice student concerns and facilitate communication.
- Represent students in various committees (academics, hostel, etc.)
- Manage and boost student clubs (technical & non-technical)
- Promote community service activities.

**Communication Channels:**

- Student council members raise student concerns with the administration.

- They act as the official communication channel between students and administration.
- A network of class representatives ensures communication reaches all students.
- Student council members across MAHE institutes collaborate with the Department of Student Affairs.

Overall, MAHE's Student Councils play a crucial role in ensuring the well-being and smooth functioning of student life.

File Description	Documents
Student Council activities during the year	<a href="https://www.manipal.edu/mit/mit-experience/student-welfare/student-council---mit--manipal-academy-of-higher-education.html">https://www.manipal.edu/mit/mit-experience/student-welfare/student-council---mit--manipal-academy-of-higher-education.html</a>
Any other relevant information	<a href="https://www.manipal.edu/kmc-manipal/about-kmc/Collegestudentcouncil.html">https://www.manipal.edu/kmc-manipal/about-kmc/Collegestudentcouncil.html</a>

### 5.3.3 - Number of sports and cultural activities / events/ competitions organised in the Institution during the year

#### 5.3.3.1 - Number of sports and cultural activities / competitions organised by the Institution during the year

80

File Description	Documents
Report of the events/along with photographs appropriately dated and captioned	<a href="#">View File</a>
Copy of circular/brochure indicating such kind of activities Information as per Data template	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapter (registered and functional) has contributed significantly to the development of the Institution through financial and other support services during the year

Alumni Relations of Manipal Academy of Higher Education (MAHE) serves as a platform that brings all Manipal Alumni of different

institutions on together to create a global group of Manipalites and build long lasting relationship. In order to achieve this goal and develop a mutually beneficial relationship between alumni and Alma mater we have developed new alumni logo with the theme of CONNET, INSPIRE & SUPPORT.

**Connect:** We have an alumni network of 1.8 Lakhs across MAHE of which 70,000 alumni have registered on our portal.

**Inspire:** Over 300 alumni revisited the campus to deliver guest lectures. About 20 Orations as a part of annual lecture series were delivered by notable alumni.

**Support:** MAHE provides a 10% fee waiver for the wards of alumni to pursue higher education at any unit/institute of MAHE.

Sl.no

Alumni Contribution

2022-23

1

Teaching/Consulting/Visiting/Adjunct Faculty etc.

39

2

Guest lectures/ Oration /keynote address/ workshops /Seminars etc.

438

3

Alumni Re-unions/Meets

45

4

Any other activities

34

5

**Financial contributions amount (INR in lakhs)**

**122.73**

File Description	Documents
Details of Alumni Association activities for the year	<a href="#">View File</a>
Frequency of meetings of Alumni Association with minutes	<a href="#">View File</a>
Quantum of financial contribution for the year	<a href="#">View File</a>
Audited statement of accounts of the Alumni Association for the year	<a href="#">View File</a>

**5.4.2 - Provide the areas of contribution by the Alumni Association / chapters during the year Financial / kind Donation of books /Journals/ volumes Students placement Student exchanges Institutional endowments**

**A. All of the Above**

File Description	Documents
Annual audited statements of accounts. Extract of Audited statements of highlighting Alumni Association contribution duly certified by the Finance Officer and Head of the Institutions	<a href="#">View File</a>
List of Alumni contributions made during the year	<a href="#">View File</a>
Certified statement of the contributions by the head of the Institution	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**GOVERNANCE, LEADERSHIP AND MANAGEMENT**

## 6.1 - Institutional Vision and Leadership

6.1.1 - The Institution has clearly stated Vision and Mission which are reflected in its academic and administrative governance

Yes. The institution has a clearly stated vision and mission, reflected in its academic and administrative governance.

Vision:Global leadership in human development, excellence in education and healthcare

Mission:Be the most preferred choice of students, faculty and industry

Be in the top 10 in every discipline of education, health sciences, engineering, and management.

In line with the vision of the institution, 'leadership' is committed to continual improvement, sustained development, and the development of a culture of quality. The leadership of the ISO-certified, self-financing deem to be university in the private sector, guided by the principles of sound judgment, effective communication, and setting standards and benchmarks in quality education and administration, always strives to excel in stakeholder customer satisfaction. In this regard, the university had approached the QS Intelligence Unit about benchmarking its services and participating in all the leading rankings, both national and international.

The nature of governance, perspective plans, and stakeholders' participation in the decision-making bodies highlight the activities leading to institutional excellence.

Management directly interacts with the stakeholders, obtains regular feedback, and takes prompt actions based on feedback analysis.

The policies of the university are framed in such a way that there is continuous improvement in every aspect. The senior leaders communicate effectively with the faculty and staff through regular meetings, newsletters and bulletins, the university's internet/intranet, and many publications and media activities.

The university has a people-driven HR policy to motivate employees to strive for excellence.

File Description	Documents
Vision and Mission documents approved by the Statutory Bodies	<a href="https://manipal.edu/mu/about-us/vision-and-mission.html">https://manipal.edu/mu/about-us/vision-and-mission.html</a>
Report of achievements which led to Institutional excellence	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="#">View File</a>

6.1.2 - Effective leadership is reflected in various Institutional practices such as decentralization and participative management etc.

The university encourages participatory management by involving stakeholders at all levels.

- Departmental meetings are held at the departmental level, where all faculty members participate.
- Head-of-department meetings are held at the institutional level.
- At the university level, heads of institution meetings are held, where all of them take part and discuss management issues.
- All HoIs are also members of the Academic Senate, which is entrusted with the primary responsibility of maintaining academic standards.
- Other than this, HoIs are the members of the executive committee, and three of the HoIs are also members of the Board of Management.
- Academic and Administrative head meetings
- Executive committee meetings
- Some of the senior faculty members are entrusted with the additional responsibilities of senior officials' positions at the university.

Thus, the university promotes a culture of decentralization and participative management.

The overall administrative activities, operational issues, and overall control of constituent institutions are under the university's leadership for all decision-making purposes. Hence, all issues, such as planning, strategic developmental issues, academic issues, administrative issues, and financial control, are vested with the university under various and appropriate committees.

All constituent units of the university have functional autonomy to carry on with academic and administrative activities to ensure the vision and mission of the university and the institution are achieved.

All constituent units of the University have functional autonomy to carry on with academic and administrative activities

File Description	Documents
Information / documents in support of the case study	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic plan is effectively deployed

Established in 1953 as India's First Private Self-Financed Medical College by the visionary doctor turned banker turned philanthropist Shri TMA Pai, Manipal Academy of Higher Education over a period of 6 and 1/2 decades has grown to become one of India's finest comprehensive multi-disciplinary deemed universities.

Rated as the No. 1 by the Government of Karnataka overall and within the Top 8 by NIRF, MAHE has recently been conferred the status of Graded Autonomy by UGC and Institution of Eminence status by MHRD, which is a clear sign of continued excellence achieved over the years.

Over 33000+ students from 67 different nationalities live, work, and play in a highly safe, peace-loving, sprawling, and pristine town of over 700 acres and are well mentored by over 2500+ highly qualified & experienced faculty, ably assisted by over 10,000+ well-trained support staff.

In a dynamic inter-disciplinary environment, students at MAHE have a choice of over 275+ globally recognized and accredited programmes from 46 constituent units across the fields of medicine, engineering, liberal arts, social sciences, humanities, hospitality, and hotel management.

With four state-of-the-art modern tertiary hospitals comprising of

4500+ beds, one of its kind museum devoted to life sciences, a planetarium to kindle the imagination of young minds, and primary health centers in rural villages, MAHE's contribution to society over a long period of 60 years has changed the health & social landscape of the entire district.

File Description	Documents
Strategic Plan document	<a href="#">View File</a>
Minutes of the Governing Council/ other relevant bodies for deployment / monitoring of the deliverables during the year	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

6.2.2 - Effectiveness and efficiency of functioning of the Institutional bodies as evidenced by policies, administrative setup, appointment and service rules, procedures etc.

MAHE, as an Institute of Eminence Deemed to be a University, is functioning as per the framework/MOA of UGC with an independent Board of Management (BoM). It has developed a very robust self-governance structure, led by highly qualified and eminent academic leaders from time to time. BOM is empowered to function independently without any interference from MAHE Trust.

MAHE has constituted all statutory committees as prescribed by the regulatory authorities both at the university and institution levels. The major committees effectively function as per the defined time schedule, and relevant documents are maintained at the university.

The Academic Council, being the primary academic body of MAHE, monitors and manages the standards of teaching, research, and training; approval of syllabus; coordination of research activities; and conducts examinations and tests. The Finance Committee monitors the annual budget, annual accounts, and financial estimates of the university. The Executive Committee meets at defined intervals and takes decisions on various administrative matters approved by the BoM. MAHE has constituted the Faculty Selection Committee (FSC) under the chairmanship of the Vice-Chancellor of the University to recommend eligible and suitable candidates for teaching positions. The Internal Quality Assurance Committee initiates, plans, and monitors the quality of various academic activities. The planning and monitoring committee of MAHE monitors the development of various academic programs at the university. Other Committees are Grievance Committee, Anti-ragging cell, Internal Complaints Committee for



prevention of Sexual Harassment, etc. Various other committees are also functioning at the institution level.

File Description	Documents
Annual Report of the preceding academic year	<a href="https://manipal.edu/mu/important-links/mu-annual-reports.html">https://manipal.edu/mu/important-links/mu-annual-reports.html</a>
Minutes of meetings of various Bodies and Committees for the preceding academic year	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>

**6.2.3 - The University has implemented e-governance in the following areas of operation  
Planning and Development Administration  
(including Hospital Administration & Medical Records) Finance and Accounts Student Admission and Support Examination**

**A. All of the Above**

File Description	Documents
Institutional budget statements allocated for the heads of E-governance implementation ERP Document for the year	<a href="#">View File</a>
e-Governance related document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

### **6.3 - Faculty and Staff Empowerment Strategies**

6.3.1 - The Institution has effective welfare measures for teaching and non-teaching staff and other beneficiaries.

MAHE offers a wide range of welfare measures to its employees, realizing that the well-being of teaching and non-teaching staff is important for the effective functioning of the institution. It also practices various faculty empowerment strategies to upgrade the professional competencies of its faculty members.

A summary of welfare practices are

- **Statutory benefits:** Provident Fund, Gratuity, and ESI Scheme—fully complied with as per the respective enactments.
- **Pension Scheme:** MAHE has introduced the National Pension System (NPS), covering all the teaching and non-teaching staff on the rolls, with effect from April 1, 2016. MAHE contributes 10% of the basic pay of every employee to the NPS fund.
- **Medical Coverage:**
- **Life Insurance and Permanent Disability Coverage:**
- **School Fee Reimbursement:**
- **Scholarships to children / spouses for higher education:**
- **Conference Facilities:** Faculty members are entitled to Rs. 100,000 per financial year as financial support to attend professional conferences, workshops, etc. the same can also be used for reimbursement of publication charges, fees for patents, etc.
- **Incentives for Research & Publication:** Provides cash incentives/sponsorships to the conference under the scheme based on the points earned by the faculty members for their research publications.
- **Research incentives:** Provides incentives for research grants and consultancies with a top ceiling of Rs. 15 lakhs per year.
- **Subscription to Professional Societies:**
- **Dr. TMA Pai Endowment Chairs:** MAHE has constituted 20 endowment chairs of Rs. 10 lakh each per year for exemplary researchers.
- **Interest subsidy on a utility or housing loan:**
- **Leave Travel Concession:**
- **Institutional accommodation:**
- **Laptops:**
- **Sodexo vouchers:**
- **Recreation facility:**

File Description	Documents
Policy document on welfare measures	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
List of beneficiaries of welfare measures	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences / workshops

**and towards membership fee of professional bodies during the year**

1672

File Description	Documents
Details of teachers provided with financial support to attend conferences, workshops etc. during the year (Data Template)	<a href="#">View File</a>
List of teachers provided membership fee for professional bodies during the year	<a href="#">View File</a>
Policy document on providing financial support to teachers	<a href="#">View File</a>
E-copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support under each head	<a href="#">View File</a>
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies during the year	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**6.3.3 - Number of professional development / administrative training programmes organized by the University for teaching and non- teaching/technical staff during the year (Continuing education programmes, entrepreneurship development programmes, Professional skill development programmes, Training programmes for administrative staff etc.,)**

1656

File Description	Documents
List of professional development / administrative training programmes organized by the University for the year	<a href="#">View File</a>
The lists of participants who attended the above programmes during the year (Data template)	<a href="#">View File</a>
Detailed program report for each program	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	<a href="#">View File</a>
Reports of Academic Staff College or similar centres. Verification of schedules of training programs	<a href="#">View File</a>
Copy of circular/ brochure/report of training program self-conducted program may also be considered	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**6.3.4 - Number of teachers who have undergone Faculty Development Programmes (FDP) including online programmes (Orientation / Induction Programmes, Refresher Course, Short Term Course etc.) during the preceding academic year**

**2678**

File Description	Documents
Details of teachers who attended FDPs during the preceding academic year (as per Data Template)	<a href="#">View File</a>
Details of teachers who attended FDPs during the preceding academic year (as per Data Template)	<a href="#">View File</a>
E-copies of the certificates of the programs attended by teacher Any other relevant information	<a href="#">View File</a>

**6.3.5 - Institution has Performance Appraisal System for teaching and non-teaching staff**

MAHE recognises the value of its employees and understands that the quality of university services depends on employees. MAHE has a well-defined performance management policy applicable to its faculty members. MAHE has upgraded its Performance Management System (PMS) from paper format to online mode through internally developed software. Based on the assessment scores, faculty members are graded as 'A+++', 'A++', 'A+', and 'A' through relative ranking in the ratio of 30:30:30:10, respectively. Performance incentives at approved rates are sanctioned based on the grades obtained by the faculty members. The faculty member with grades 'A' is not eligible for performance incentives for that particular year.

The annual appraisal process begins with self-appraisal, followed by assessment by the respective heads of departments. Further, the assessment report is reviewed by the Head of the Institution, and recommends the appropriate performance grades and submits the report to MAHE. Annual appraisal reports thus received are reviewed by a committee chaired by the Vice-Chancellor for final approval. Student feedback on faculty is conducted at the institute level, which is also a part of the PMS process. Faculty members are assessed every calendar year, i.e., from January to December. Performance incentives based on the above assessments are sanctioned from the month of April every year.

PMS reports and grades are essential parts while considering faculty members for promotions to the next level and also while considering for leadership positions such as Heads of departments, etc.

File Description	Documents
Performance Appraisal policy of the Institution	<a href="#">View File</a>
Report on the analysis of the Performance Appraisal for the teaching and non-teaching staff for the year as submitted to the Board of Management/ University Senate etc.	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## **6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilization of resources

## Strategies for mobilisation of funds and optimal utilization of Resources at Manipal Academy of Higher Education (MAHE)

- Well before the financial year starts, the HOIs submit their budget proposals (capital and operational) to the Director of Finance.
- The Director of Finance consolidates the requirements of all constituent units.
- Over a period of two days, the top management holds budget meetings with each individual HOI.
- After due deliberation and considering the available resources, allocations are made to each of the units.
- The draft proposals are presented before the Finance Committee for its consideration.
- The budget proposals, duly considered and approved by the Finance Committee, is then notified by the Director, Finance, to the various constituent institutions.
- The HOIs, in turn, communicate to respective heads of the departments of the units.
- Once the allocations are made, the HOI is authorised to implement the budget proposals.

The accounts are audited annually by a statutory auditor (external), who examines the accounts for the year.

The BoM/Finance Committee appoints the external auditors.

As a self-financed university, resource mobilisation is primarily through fee collections.

Other forms of resource mobilisation are:

- Hospital Income
- Research Grant
- Consultancy Services
- Donations
- Endowments etc.

MAHE encourages its faculty to apply for research grants and also to render consultancy work.

MAHE also approaches philanthropists and alumni for donations to institute awards, scholarships, etc.

File Description	Documents
Resource mobilization policy document duly approved by BoM / Syndicate / Governing Council	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Procedures followed for optimal resource utilization	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>

**6.4.2 - Funds / Grants received from Government / Non-Government bodies / philanthropists during the years (excluding scholarships and research grants covered under Criterion III)**

File Description	Documents
Audited statements of accounts for the year	<a href="#">View File</a>
Copy of letter indicating the grants/funds received by respective agency as stated in the metric	<a href="#">View File</a>
Provide the budget extract of audited statement towards Grants received from Non-Government bodies, individuals, philanthropist duly certified by chartered accountant and/or Finance Officer	<a href="#">View File</a>
Information as per Data template	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**6.4.3 - Institution conducts internal and external financial audits regularly**

**Audit Process at Manipal Academy of Higher Education: The audit at MAHE is being carried out by external agencies who are appointed by the Finance Committee.**

**The audit is by way of:**

- Internal Audit.
- Statutory Audit

**The internal audit from the last four financial years has been**

entrusted to an external party. They carry out the audit for each quarter of the year. They are mainly into transactional audits, which is done on a test basis. They also look into the physical verification of stocks and cash verification at the institutional level. They look into the internal controls of the financial system. They highlight the deficiencies in the system, if any, and advise the management on remedial measures.

The Statutory Audit is carried out annually. In order to reduce the burden at the end of the financial year, the external audit team visits MAHE at the end of six months, i.e., September, and carries out the half-yearly audit. Subsequently, the final audit is carried out in the month of June/July.

The financials are prepared according to the prevailing laws. They are then approved by the Finance Committee.

Along with the above two audits, MAHE also has:

- Audit of its PF Trusts and Gratuity trust
- ISO Audit
- Audit of the Research Grants.
- Audit of the conference and workshop conducted.

Till date, there have been no major observations from the external auditors or internal auditors.

File Description	Documents
Policy on internal and external audit mechanisms	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Financial Audit reports for the years	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>

## 6.5 - Internal Quality Assurance System

### 6.5.1 - Institution has a streamlined Internal Quality Assurance Mechanism

Yes. MAHE is well known for its quality education and health care. It obtained ISO certification 20 years ago and voluntary NAAC accreditation in 2004.



MAHE has a central Internal Quality Assurance Cell (IQAC) with representation from various institutional and functional departments as members along with external stakeholders. Each institution has institutional IQAC.

MAHE participates in accreditation like ISO, NBA, NABH, NABL AAHRP. The IQAC meets on regular basis and approves the annual quality assurance reports to be submitted to NAAC.

The compilation, validation, and submission of data for all the rankings in which the institution is participating is done by the IQAC. Following are some of the important rankings the institution participates in every year:

- Times Higher Education World University Ranking
- QS Asian University Ranking
- UI Green Metric World University Ranking
- NIRF Ranking
- Week Hansa Research Survey
- Education World Ranking
- Career360 Ranking
- Inpods services are being initiated for the implementation of OBE in all colleges and CBME at medical colleges.
- MAHE is ISO certified for QMS (9001:2015), EMS (14001:2015), and EnMS (50001:2011) by M/s TUV Rheinland Co. Bengaluru. As part of this certification, every year there will be two internal audits thoroughly conducted by our own in-house trained and certified auditors, which cover all the functions of universities and colleges, including academics, curriculum design, / Teaching Learning evaluation. Also, one more external audit is conducted yearly by experts from our certifying agency, which also covers academics, curriculum design, / Teaching Learning & Evaluation.

File Description	Documents
The structure and mechanism for Internal Quality Assurance	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Report on the quality sustenance/enhancement initiatives of the IQAC during the year	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Minutes of the IQAC meetings for the year	<a href="https://manipal.edu/mu/about-us/naac/igac-mahe/igac-minutes.html">https://manipal.edu/mu/about-us/naac/igac-mahe/igac-minutes.html</a>
Any other relevant information	<u>Nil</u>

**6.5.2 - Quality assurance initiatives of the Institution include: Academic and Administrative Audit (AAA) and initiation of follow-up action Conferences, Seminars, Workshops on quality Collaborative quality initiatives with other Institution(s) Orientation programmes on quality issues for teachers and students Participation in NIRF process Any other quality audit by recognized State, National or International agencies (ISO, NABH, NABL Certification, NBA, any other)**

**A. All of the Above**

File Description	Documents
Report /certificate of the Quality Assurance Initiatives as claimed by the Institutions eg: NBA, ISO, NABH, NABL, AAA etc.,	<a href="#">View File</a>
Data template including documents/certificates relating to options 1 to 6 above	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**6.5.3 - Impact analysis of the various initiatives carried out and used for quality improvement during the year**

**QA Initiatives**

- Curriculum Design and Development
- Academic Flexibility

- Feedback System
- Student Enrolment and Profile
- Teacher Quality
- Student Performance and Learning Outcomes.
- Promotion of Research
- Resource Mobilization for Research
- Research Publications and Awards
- Consultancy
- Collaboration
- Student Mentoring and Support
- Faculty Empowerment Strategies
- Outreach and extension activities .

#### Impact of the initiatives

- 1521 interdisciplinary courses
- CBCS is implemented in 247 programmes
- 2613 value added courses r
- 12916 students successfully completed the value-added courses
- 69% -Facultywith PhD and other Terminal degrees .
- 68.76%students from outside state and country
- 93.76% -students pass percentage in finalexams
- Seed Funding ofINR 60.98 lakhs
- 84patents published / awarded
- Published 3950+ articles in high quality journals
- Around 18% of the articles are published in Top 10 percentile journals and 52% of articles are published in open access journals
- Field Weighted Citation impact of MAHE is 1.14
- 33% of the articles published have international coauthors, which indicates that more than a third of the published articles are an outcome of international collaborative projects
- Revenue generated from Consultancy and clinical trials during the year is 749.25 Lakhs INR.
- Crisis management teams under the offices of Student Welfare ensures timely response for any student related emergencies.
- 16103 students have benefited from various scholarships and fee waivers in the last year. (About 48% )
- Rankings and Accreditations
- Number of students participating in extension and outreach activities beyond the curricular requirement is 10907

File Description	Documents
Relevant documents/information on the process and results of impact analysis on the above aspects	<a href="https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1">https://compliance.manipal.edu/naac/?eeFolder=Criteria-6&amp;eeListID=1&amp;ee=1</a>
Any other relevant information	<a href="#">View File</a>

**INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the institution for the promotion of gender equity during the year

Manipal Academy of Higher Education is constantly striving to maintain international standards of excellence in academic output and equally holistic emotional, mental, and physical well-being among all its stakeholders. Since its inception, MAHE remains committed to fostering an inclusive environment and to creating a fair and equitable space for all staff and students irrespective of their gender. Women leadership heads various constituent institutes of MAHE.

- The Director Student affairs is the nodal contact for all student grievances. The Student Support Centre offers practical and constructive support to students in adjusting to a new environment as well as social or personal challenges that are specific to their age group and circumstances.
- Policy on Prevention, Prohibition, and Redressal of Sexual Harassment is a robust and fair mechanism to address sexual harassment complaints received from stakeholders. MAHE has an Internal Complaints Committee where grievances are received and resolved in a fair and confidential manner.
- Centre for Women's Studies organizes events like talks and conferences that revolve around gender equity.
- MAHE celebrates International Women's Day in March 08th every year
- Hostel accommodations are provided separately for boys and girls with several functional CCTV cameras positioned across the premises.

File Description	Documents
Annual gender sensitization action plan	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-1-1&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-1-1&amp;eeListID=1</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-1/Links_7_1_1.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-1/Links_7_1_1.pdf</a>

<b>7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment</b>	<b>A. All of the Above</b>
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File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
Data template in prescribed format	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 100 - 200 words)

Manipal Academy of Higher Education, Manipal is an ISO 9001, 14001 & 50001 certified campus, following a series of voluntary ISO standards on Quality, Environmental & Energy Management Systems. The Environment and Energy Policy is our guiding document that enables the University to achieve continual improvement over time. Solid waste management: Domestic Waste is segregated into recyclables, food is used in farms and vegetable waste is composted. Biomedical waste is generated in the hospital and nursing facilities within the campus and is handled as per the Biomedical Waste Rules. Hazardous waste, the major component in this category is generated is disposed to Authorized recyclers. E-waste including desktop computers and accessories, compact fluorescent lights, printer cartridges are collected through separate waste streams and disposed to Authorized recyclers Waste water management: Three sewage treatment plants set up and maintained by the University treat the waste water generated in the campus. Treated water is fully utilized for gardening and arboriculture Rainwater harvesting is by diverting roof water to

percolation pits and storm water runoff to artificial water body to rejuvenate and improve the water table.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-3/List-of-Contracts.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-3/List-of-Contracts.pdf</a>
Geotagged photographs of the facilities	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-3/Photos-7_1_3_docx.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-3/Photos-7_1_3_docx.pdf</a>
Any other relevant information	<u>Nil</u>

**7.1.4 - Water conservation facilities available in the Institution Rainwater harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include: Restricted entry of automobiles Battery-powered vehicles Pedestrian-friendly pathways Ban on the use of Plastics Landscaping with trees and plants**

**A. All of the Above**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Relevant documents / reports	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
Data template in prescribed format	<a href="#">View File</a>

**7.1.6 - Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives: Green audit Energy audit Environment audit Clean and green campus recognitions / awards Beyond the campus environmental promotion activities Any awards received for green campus initiatives**

**A. All of the Above**

File Description	Documents
Audit reports of the institution related to the metric Data template	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has Divyangjan friendly, barrier-free environment Built environment with ramps/lifts for easy access to classrooms. Divyangjan friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for Divyangjan to access NAAC for Quality and Excellence in Higher Education AQAR format for Health Sciences Universities Page 68 website, screen-reading software, mechanized equipment Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading**

**A. All of the Above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Relevant documents / reports	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
Data Template	<a href="#">View File</a>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

**Manipal Academy of Higher Education (MAHE) believes in providing an inclusive environment that promotes students' all-around personality**



development. MAHE is also committed to upholding harmony towards cultural, regional, linguistic, socioeconomic, and other diversities among students, faculty, and staff. The students actively participate in Voluntary Service Organization (VSO) activities, a social unit of MAHE, initiated to provide an opportunity for students to serve society. VSO undertakes projects which cover community, organizational, and soft skills avenues. Projects are planned in collaboration with the clubs/organizations of the constituent colleges of MAHE and executed with MAHE support. Staff and students participate in week long donation drive, week-long, by participating in various community projects aimed at spreading smiles by touching others' lives in Manipal, Udupi, and Mangalore. The students participate in outreach programs organized by their respective departments and student councils. Some of the activities organized: role play, sociodrama, street play, eye camps, diabetes camps, and blood donation camps. The different institutes under MAHE also observe days of national and international health importance such as World tuberculosis day, World suicide prevention day, World health day, No tobacco day, International Women's Day, World breastfeeding week, World mental health day, World heart day, World diabetes day.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-1-8&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-1-8&amp;eeListID=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-8/Links_7_1_8.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-8/Links_7_1_8.pdf</a>

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

MAHE organises various activities to sensitize students and employees alike to our constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. On 26th Jan, MAHE organized the Republic Day every year. MAHE actively celebrates Independence every year. Every institution is represented by a contingent of students at the Independence day parades who marches and offer their respect to the national flag. The best contingents were awarded. The Manipal Center for Humanities conducted a public lecture on 'The Swadeshi Movement in 1905', where Dr. Suparana



Sengupta addressed the repressive measures taken by the colonial government against the people in the mass-protest. The public lecture was titled 'The Swadeshi Movement and Repressive Colonial Law'. The talk was held online on Microsoft Teams with an introduction by Dr. Ranjana Saha who warmly welcomed Dr. Sengupta, faculty, students, and guests outside of MAHE. Dr. Sengupta started the discussion with the background of the Swadeshi Movement in Bengal which occurred in 1905 due to the Partition of Bengal by the Colonial Government. She went on to talk about how the movement sparked anger amidst the masses which led to the widespread mass-protest which included the youths in a large number.

File Description	Documents
Details of activities that inculcate values necessary to render students to be responsible citizens	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-1-9&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-1-9&amp;eeListID=1</a>
Any other relevant information	<a href="https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-9/links_7_1_9.pdf">https://compliance.manipal.edu/wp-content/uploads/2023/naac/Criteria-7/7-1-9/links_7_1_9.pdf</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organized professional ethics programmes for students, teachers, administrators and other staff during the year Annual awareness programmes on Code of Conduct were organized during the year**

**A. All of the Above**

File Description	Documents
Weblink of the code of conduct	<a href="https://manipal.edu/content/dam/manipal/mu/documents/mahe/Student%20Affairs/Code%20of%20Student%20Conduct_4_3_22.pdf">https://manipal.edu/content/dam/manipal/mu/documents/mahe/Student%20Affairs/Code%20of%20Student%20Conduct_4_3_22.pdf</a>
Details of the monitoring committee of the code of conduct	<a href="#">View File</a>
Details of Programs on professional ethics and awareness programs organized during the year	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Manipal Academy of Higher Education celebrates national and international commemorative days. Independence day Republic Day is celebrated by the University every year. Also, special competitions are organized by its constituent institutes at the grass-root level to instill a sense of patriotism. Rashtriya Ekta Diwas is celebrated to commemorate the birth anniversary and paid a tribute to Sir Sardar Vallabhai Patel on the occasion of Rashtriya Ekta Diwas (National Unity Day). Birthday of Swami Vivekananda is celebrated every year as National Youth Day on January 12 to channelize energies of the youth in national reconstruction. Rashtriya Bhasha Divas, another important event on campus where students from various cultural and linguistic backgrounds participate in seminars and cultural programs. International Students of Manipal Academy of Higher Education come together to organize and celebrate International Day. This is facilitated by the Office of International Affairs annually. Literary and cultural events are organized by the international community on campus. Showcasing its accountability to sustainability, MAHE celebrates World Environment Day annually by planting saplings. Hundreds of students take part in the day's programs, which were designed to help them understand the importance of a good clean environment.

File Description	Documents
Annual report of the celebrations and commemorative events for the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution during the year as per NAAC format provided in the Manual

Green Energy to Power a Green Campus - MAHEs peak electricity load is 14 MW, catering to activities on campus. Objective to shift from conventional energy to renewable energy in phases done by installing solar roof top photovoltaics (SRTPV) and from offsite farms. Shift from conventional source reduced carbon emissions and cost. SRTPV on campus started during 2015 with a capacity 526 kWp with a total capacity of 1.46 MW till date. 95.2 lakh units procured, increased to 300 lakh units per annum reducing carbon emissions significantly (nearly 79%). Currently, more than 65% of the energy consumed is from green source.

Volunteer Services Organization (VSO) is the social upliftment umbrella of MAHE to provide a platform for stakeholders to volunteer for community service. VSO is under the direct supervision of the Vice Chancellor. It aspires to inculcate the spirit of selflessness and philanthropy moulding future leaders. VSO volunteers for university events and carrying out community outreach visits to slums, old age homes, schools/hospitals. VSO helps in creating health awareness, blood donation and cleanliness drive. The essence of education is service to community. It exposes volunteers to the domain of social entrepreneurship, bringing them together in an endeavor to develop leaders.

File Description	Documents
Best practices in the Institutional web site	<a href="https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-2&amp;eeListID=1">https://compliance.manipal.edu/naac/?ee=1&amp;eeFolder=Criteria-7%2F7-2&amp;eeListID=1</a>
Any other relevant information	<a href="#">Nil</a>

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution during the year in one area distinctive to its priority and thrust within 100 - 200 words

Internationalization is the thrust area for MAHE this year. Following are a few examples of the outcomes of its efforts:

1. MAHE in partnership with UNB Canada conducted the Global Technology Solutions Program 2022 for four months. The program aimed to bring together innovative students from MAHE and UNB. Ten students from MAHE and five from UNB were selected to develop innovative solutions. The program was conducted online due to the pandemic.

<https://www.manipal.edu/mu/news-events/global-technology-solutions-22-.html>

2. MAHE also partnered with ACU for the ACU Commonwealth Virtual Exchange Program. Fifty students from ten member institutions of the Association of Commonwealth Universities participated in this eight-week virtual exchange initiative.

<https://www.acu.ac.uk/news/commonwealth-virtual-exchange-students-dream-up-the-sustainable-business-ideas-of-tomorrow/>

3. MAHE and Merck Foundation, the philanthropic arm of Merck KGaA, Germany have successfully established a capacity-building program to produce competent Embryologists (fertility specialists) in African countries. So far, about 100 Embryologists from African countries along with a few from Russia, Sri Lanka, Bangladesh, and the Philippines received professional training in Manipal and have successfully established IVF programs in their countries.

<https://www.manipal.edu/mu/news-events/mahe-trains-african-doctors-to-treat-destigmatise-infertility.html>

4. MAHE and UNB offered a Dual BSc Nursing degree. <https://www.manipal.edu/mu/news-events/mahe-and-university-of-new-brunswick-to-offer-dual-bsc-nursing-d.html>

5. MAHE collaborated with Denmark Technical University on the Genomic Analysis of Sewage. <https://www.manipal.edu/mu/news-events/mahe-work-with-denmark-technical-university-on-genomic-analysis-.html>

File Description	Documents
Appropriate web in the Institutional website	<a href="https://www.manipal.edu/mu/news-events/global-technology-solutions-22-.html">https://www.manipal.edu/mu/news-events/global-technology-solutions-22-.html</a>
Any other relevant information	<a href="https://www.manipal.edu/mu/news-events/mahe-trains-african-doctors-to-treat-destigmatise-infertility.html">https://www.manipal.edu/mu/news-events/mahe-trains-african-doctors-to-treat-destigmatise-infertility.html</a>

7.3.2 - Future Plans of action for next academic year (100 - 200 words)

Add 200 institutions collaborating with MAHE for research publications

Add 945 co-authored publications with international collaborators

Have additional 4 percent of the programs to facilitate Semester Abroad option

Increase the international undergraduate admissions to 9.2% and postgraduate admissions to 19%

Enable additional 2 courses to have the option of offering joint degrees

Offer 2 additional twinning programme

Add 3 interdisciplinary programs

Add 1 structured course

Have additional 20 students opt for outbound Semester Abroad programme

Have additional 20 students opt for inbound Semester programme

Increase in international faculty by additional 1percent

Add 10 specialized centers encompassing all faculties

Increase the research spend from current level by additional 2 percent

Have 640 new doctoral enrolments

Increase the no. of PhD scholars to 2250

Increase PhD guides by 4 percent

Have 5500 publications

Improve the citation score to 6.3

- Achieve an increase in Field Weighted Citation Impact score by 0.9
- Add 15 new ventures
- Have graduation of additional 5 ventures
- Increase the no. of new patent applications to 212
- Commercialize additional 3 technology
- Add 85 more international partnerships with top 500 Universities
- Provide accommodation for additional 500 students
- Increase the scholarship for meritorious students to Rs. 49.85 Crore
- Increase the number of programs accredited to 30
- Have international exposure for additional 0.5 percent of total domestic faculty
- Sapling plantation 1250 Numbers