

Annual Quality Assurance Report (AQAR) in Accredited Institutions (Revised in October 2013)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year (for example 2013-14)

2016-17

I. Details of the Institution

1.1 Name of the Institution

Kasturba Medical College Manipal

1.2 Address Line 1

Madhav Nagar

Address Line 2

City/Town

Manipal, Udupi

State

Karnataka

Pin Code

576104

Institution e-mail address

office.kmc@manipal.edu

Contact Nos.

0820-2922552

Name of the Head of the Institution:

Dr. Pragna Rao

Tel. No. with STD Code:

0820-2922367

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	--	2002	5 yrs
2	2 nd Cycle	A	3.30	2016	5 yrs

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR _____ (DD/MM/YYYY)
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Manipal Academy of Higher Education, Manipal

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="14"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="02"/>
2.3 No. of students	<input type="text" value="01"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="01"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="-"/>
2.8 No. of other External Experts	<input type="text" value="02"/>
2.9 Total No. of members	<input type="text" value="23"/>
2.10 No. of IQAC meetings held	

2.11 No. of meetings with various stakeholders:	No.	<input type="text"/>	Faculty	<input type="text"/>
Non-Teaching Staff	Students	<input type="text"/>	Alumni	<input type="text"/>
			Others	<input type="text"/>

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

MCI recognised Revised Basic Medical Education
 Training on Revised ISO standards QMS 9001:2015 and
 EMS 14001:2015

2.14 Significant Activities and contributions made by IQAC

The IQAC has conducted biannual department audits and provided suggestions on areas of improvement for the individual departments.
 Sensitization of all staff/ conducting regular meetings

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes (including Dept of Virology, Dept of Statistics)

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD (KMC+Virology, statistics, library & information science+PSPH)	6+1+1+1+1			
PG (KMC+Virology, statistics+PSPH)	39+1+1+3			
UG	1			
PG Diploma	10			
Advance training programme	2			
Advanced Diploma				
Diploma				
Certificate (statistics, library & information science+PSPH)	1+1+1	1	1	1
Others				
Total	70	1	5	5
Interdisciplinary (PSPH)	3	Foundations, GHHM*, GHS**		
Innovative (PSPH)	2	2 GHHM*, GHS**		

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	6 Programme (MSW, MPH, MHA, MSc - Bio Stat, MSc - Virology, MSc - Lib Info Sci) MSc anatomy, physiology, bochemistry, microbiology

Trimester	
Annual	51

1.3 Feedback from stakeholders* (On all aspects)

Alumni Parents Employers Students

Mode of feedback : Online Manual Co-operating schools (for PEI)

*Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The syllabi is as per the regulatory body.

Dept of Library & Information Science

Syllabus has been revised to create high quality workforce in LIS

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Department of Statistics

Public Health Evidence South Asia (PHESA)

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

	Total	Asst. Professors	Associate Professors	Professors	Others
KMC, Manipal.	425	113	105	104	103
Dept of Virology	5	3	0	1	1
Department of Statistics	09	05	03	01	0

Dept of Library & Information Science	3	0	3	0	0
Prasanna School of Public Health	14	09	05	00	00

2.2 No. of permanent faculty with Ph.D.

KMC, Manipal	27
Dept of Virology	5
Department of Statistics	6
Dept of Library & Information Science	3
Prasanna School of Public Health	2

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
22	21	2	6	1	5	66	47	91	79

2.4 No. of Guest and Visiting faculty and Temporary faculty

KMC, Manipal	79	106	0
Dept of Virology	69	1	0
Prasanna School of Public Health	10	1	

2.5 Faculty participation in conferences and symposia:

	No. of Faculty	International level	National level	State level
KMC, Manipal	Attended	92	97	31

	Presented papers	88	89	28
	Resource Persons	1	6	2
Dept of Virology	Attended	15	12	1
	Presented papers	1	1	0
	Resource Persons	0	6	0
Department of Statistics	Attended	01	02	0
	Presented papers	01	02	0
	Resource Persons	0	0	0
Dept of Library & Information Science	Attended	0	3	0
	Presented papers	0	3	0
	Resource Persons	0	1	0
Prasanna School of Public Health	Attended	4	4	0
	Presented papers	4	4	0
	Resource Persons	0	2	0

2.6 Innovative processes adopted by the institution in Teaching and Learning:

KMC, Manipal

Conduct of Clinical Pathophysiology and Therapeutics and Diagnostic Reasoning (CPPT) by international faculty
Small group teaching, tutorials, seminars.

Department of Statistics

Learning Resources

- The Department is equipped with state of the art computational facility and in possession of packages namely **SAS, STATA, SYSTAT, SPSS, R, nMaster, Epi Info, Review Manager and EndNote.**
- The Department has a statistical consultancy center to independently provide consultations for all levels of biomedical researchers of the University.
- The Department conducts regular training on statistical softwares like SAS, SPSS, STATA and R for making students industry ready.

Prasanna School of Public Health

Problem based learning, Hands on field Experience, Field Exposure visits, Short term research, Role play case study, Video case discussions (Skype), Journal Discussions, E-Learning, Webinar etc.

Foundation Program, collaborative program with Maastricht University is a technology enabled program delivered through e-learning platform. Student Semester program with Maastricht University.

Student taking up exchange programmes.

Médecins Sans Frontières - India is collaborating with Manipal Academy of Higher Education to initiate the Global Health and Humanitarian Medicine programme, a webinar Programme.

2.7 Total No. of actual teaching days during this academic year 301

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions) E-pad for sessional and final exams

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

KMC, Manipal 75 21 09

Dept of Virology 3 5 5

Dept of Library & Information Science 3

2.10 Average percentage of attendance of students 85%

2.11 Course/Programme wise distribution of pass percentage :

KMC, Manipal

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MBBS	1124	160	465	299		21
July, 2016						

M.Sc(Clinical Embryology)	6	0	4	2	0	100
M.Sc(Medical) Anatomy	6	0	2	4	0	100
M.Sc(Medical) Biochemistry	19	3	9	5	0	89
M.Sc(Medical) Microbiology	15	0	2	7	0	60
M.Sc(Medical) Pharmacology	1	0	1	0	0	100
M.Phil (Psychiatric social work) Part- 1	4	0	1	3	0	100
M.Phil (Psychiatric social work) Part- II	1	0	0	1	0	100
M.Sc(Genetic Counselling)	2	0	2	0	0	100
January, 2017						
M.Phil (Psychiatric social work) Part- II	1	0	1	0	0	100
February, 2017						
M.Sc(Medical) Biochemistry	2	1	0	1	0	100
M.Sc(Medical) Microbiology	5	0	0	5	0	100
July, 2016						
D.M.(Nephrology)	2	0	0	0	0	100
D.M.(Cardiology)	2	0	0	0	0	100
D.M.(Neurology)	2	0	0	0	0	100
D.M.(Gastroenterology)	1	0	0	0	0	100
M.Ch(Urology)	3	0	0	0	0	100
M.Ch(Neuro Surgery)	2	0	0	0	0	100
M.Ch(Cardivascular & Thoracic Surgery)	1	0	0	0	0	100
October, 2016						
MD(Community Medicine)	1	0	0	1	0	100
MD(Anaesthesiology)	1	0	0	1	0	100
MD(General Medicine)	1	0	0	1	0	100
D.Ortho	1	0	0	1	0	100
MS(Ophthalmology)	1	0	0	1	0	100
MS(Obstetrics & Gynaecology)	2	0	0	2	0	100
MS(Orthopaedics)	2	0	1	1	0	100
April, 2017						
MD(Anatomy)	2	0	0	2	0	100
MD(Physiology)	1	0	0	1	0	100
MD(Biochemistry)	1	0	0	1	0	100
MD(Pathology)	9	0	1	8	0	100
MD(Microbiology)	3	0	1	1	0	66
MD(Pharmacology)	6	0	2	3	0	83
MD(Forensic Medicine)	1	0	0	1	0	100
MD(Community Medicine)	4	0	0	4	0	100
MD(General Medicine)	20	0	5	11	0	80
MD(Paediatrics)	12	0	0	9	0	75
MD(Anaesthesiology)	10	0	6	4	0	100
MD(Pulmonary Medicine)	2	0	2	0	0	100

MD(DDVL)	3	0	1	2	0	100
MD(Immuno Haematology & Blood Transmission)	2	0	2	0	0	100
MD(Psychiatry)	4	0	0	3	0	75
MD(Radiotherapy)	3	0	1	2	0	100
MD(Radiodiagnosis)	6	0	0	5	0	83
MD(Hospital Administration)	3	0	0	2	0	66
MS(Obstetrics & Gynaecology)	10	0	3	6	0	90
MS(General Surgery)	8	0	0	4	0	50
MS(Orthopaedics)	10	0	1	7	0	80
MS(Ophthalmology)	4	0	2	2	0	100
MS(Oto-Rhino-Laryngology)	3	0	1	2	0	100
DCH(Paediatrics)	2	0	0	2	0	100
DDVL	2	0	0	2	0	100
DPM(Psychiatry)	3	0	0	3	0	100
DA(Anaesthesiology)	4	0	0	4	0	100
DMRD(Radiodiagnosis)	2	0	0	2	0	100
D.Ortho(Orthopaedics)	4	0	0	2	0	50
DLO	2	0	0	2	0	100
DO	1	0	0	1	0	100
DGO(Obstetrics & Gynaecology)	5	0	0	5	0	100
DCP(Clinical Pathology)	3	0	0	3	0	100

Dept of Virology

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MSc Clinical Virology	7	7				100

Department of Statistics

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %

MSc. Biostatistics	16	Cumulative Grade point average: 90% or more (A+)= 04 80%-89% (A): 08 70%-79% (B): 02 60% - 69%(C): 02
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Dept of Library & Information Science

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Lib.I.Sc	5	1	3	1	-	-

Prasanna School of Public Health

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MPH	41	24.39	68.30	7.32	0.00	100
MHA	28	0.00	28.57	57.14	0.00	85.71
MSW	29	65.52	34.48	0.00	0.00	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- Student feedback on teachers and infrastructure obtained periodically.
- Seminars and conferences for teaching faculty to inspire their quality of teaching.
- Medical education unit through which IQAC periodically conducts sessions to explore avenues to enhance teacher effectiveness through professional skill development training programmes.
- Department audit by trained Auditors twice a year.
- Analysis of Results, Research output, Performance of students, and teachers analysed in Core committee meeting and board of studies.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	29
UGC – Faculty Improvement Programme	2
HRD programmes	53
Orientation programmes	86

Faculty exchange programme	0
Staff training conducted by the university	120
Staff training conducted by other institutions	8
Summer / Winter schools, Workshops, etc.	56
Others	60

2.14 Details of Administrative and Technical staff

KMC, Manipal

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	133	14	11	
Technical Staff	124	03	01	01

Dept of Virology

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1	0	0	0
Technical Staff	5	0	0	0

Department of Statistics

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	02	Nil	Nil	Nil
Technical Staff				

Prasanna School of Public Health

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled	Number of positions filled temporarily

			during the Year	
Administrative Staff	03	00	00	00
Technical Staff	00	00	00	00

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Conduct of workshop on research methodology for students and faculty
- Faculty encouraged to apply for grants to DST, DBT, ICMR, etc and institutional funding,
- Students are encouraged to do research, attend conferences and publish papers in journals
- Financial support to students and faculty to present research outcomes in National and International Conferences
- Research incentives are given for patents or publications
- Awards are given for best paper published

3.2 Details regarding major projects

KMC, Manipal

	Completed	Ongoing	Sanctioned	Submitted
Number	21	30	3	6
Outlay in Rs.	14,953,481	321,875,696	610,615	20,285,000

Department of Statistics

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	10	01	07
Outlay in Rs.	Nil	23,773,689	441,699	75, 38,961

Prasanna School of Public Health

	Completed	Ongoing	Sanctioned	Submitted
Number	02	00	00	02
Outlay in Rs.	Total Rs.35,72,9 43			

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	07	02	2	-
Outlay in Rs.	505,611.00	146,980.00	146,980.00	

3.4 Details on research publications

KMC, Manipal

	International	National	Others
Peer Review Journals	282	135	-
Non-Peer Review Journals	11	17	-
e-Journals	-	-	-
Conference proceedings	-	-	-

Dept of Virology

	International	National	Others
Peer Review Journals	8	3	0
Non-Peer Review Journals			
e-Journals			
Conference proceedings			

Dept of Library & Information Science

	International	National	Others
Peer Review Journals		3	
Non-Peer Review Journals		-	
e-Journals		-	
Conference proceedings		3	

Prasanna School of Public Health

	International	National	Others
Peer Review Journals	7	8	0
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	1	00	00

3.5 Details on Impact factor of publications:

KMC, Manipal

Range	0.067-10.79	2.18	10	SCOPUS	630
Revised (

Dept of Library & Information Science

Range Average h-index Nos. in SCOPUS

Prasanna School of Public Health

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
MAJOR PROJECTS				
Repeated superovulation induced changes in the oocytes, embryos and somatic cells - Dr Guruprasad Kalthur	3	Science & Engineering Research Board (SERB)	2,214,400.00	400,000.00
Effect of antituberculosis drugs on gemete functional physiology, fertility potential and pre-implantation embryo developmental potential in mouse Dr Guruprasad Kalthur	3	Indian Council of Medical Research, New Delhi	1,918,729.00	594,779.00
Clinical & molecular evaluation of inherited arthropathies and multiple verterbral segmentation defects - Dr Girisha K M	3	Indian Council of Medical Research, New Delhi	3,305,967.00	851,680.00
Application of autozygosity mapping and exome sequencing to	3	Science & Engineering Research Board, New Delhi	4,813,200.00	1,200,000.00

identify genetic basis of disorders of skeletal development Dr Girisha K M				
Fertility prevention in cancer affected prepubertal boys: an experimental approach using testicular tissue cryopreservation Dr Satish Kumar Adiga	1	Indian Council of Medical Research, New Delhi	1,970,600.00	1,470,600.00
A clinico microbiological environmental and molecular approach to explore the epidemiology of neglected disease Meliodosis - Dr Chiranjay Mukhopadhyay	2	Indian Council of Medical Research, New Delhi	3,833,650.00	708,800.00
Assessment of the expression of bacterial proteins and its correlation with the clinical presentations of acute and chronic form of brucellosis- Dr Chiranjay Mukhopadhyay –	2	Defence R & D Establishment, Gwalior	960,000.00	576,000.00
Capacity building and strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India Chiranjay Mukhopadhyay	5	JPN Apex Trauma Centre, All India Institute of Medical Sciences, New Delhi	5,250,000.00	1,000,000.00
Development and application of next generation sequencing based gene panel for disorders with low bone mineral density - Dr Girish Katta	2	Ministry of Science & Technology, Department of Biotechnology, Government of India	3,318,500.00	2,238,850.00

A community based assessment of visual, hearing, locomotor disabilities and psychosocial morbidities among geriatric population in coastal Karnataka - Dr Ranjitha S Shetty	2	Indian Council of Medical Research, New Delhi	2,239,848.00	395,299.00
Registry of people with Diabetes in India with Young Age at Onset -II - Dr Sudha Vidyasagar	3	Indian Council of Medical Research, New Delhi	1,012,870.00	675,354.00
Effect of maternal exposure of metformin on fetal gonadal development and their reproductive potential Guruprasad Kalthur	3	Science & Engineering Research Board (SERB), New Delhi	5,605,000.00	1,501,000.00
Functional, Cellular and Molecular Evaluation of Hepatoprotective Property of Caesalpenia Bonduc (Kantakikaranjah): an in vitro study - Dr Kumar M R Bhat	3	Indian Council of Medical Research New Delhi	1,893,192.00	286,691.00
Screening for Human Papilloma Virus and other DNA virus infections of the cervix among tribal women in Southern India - Dr Ranjitha Shetty	3	Indian Council of Medical Research, New Delhi	2,804,599.00	834,129.00
Clinical and Molecular Characterization of Leukodystrophies in India Children- Dr. Anju Shukla	3	Indian Council of Medical Research, New Delhi	4,318,830.00	722,648.00
Multicentric Collaborative study of the Clinical Biochemical and Molecular Characterization by	3	Indian Council of Medical Research, New Delhi	2,343,200.00	392,180.00

Lysosomal Storage Disorders in India - The initiative for research in LSD - Dr Girish K M				
Optimizing Disinfection protocol for Donor Arm Cleaning prior to Whole Blood Donation - Dr Manish Raturi	2	Science & Engineering Research Board (SERB), New Delhi	4,118,675.00	150,000.00
Comparison analysis of various diagnostic tools to resolve the diagnostic dilemma in Leptospirosis- Dr Shashidhar V	3	Indian Council of Medical Research, New Delhi	1,473,866.00	1,323,866.00
Role of paternal genome on stress response and polarity of pre-implantation stage embryo - Ms Ramya Nair M T	3	Ministry of Health and Family Welfare (Department of Health Research)	3,549,000.00	961,897.00
Specific research Plan for proposal for development of suggestive computer aided methods for mammography images project - Dr Smiti Sripathi,		Philips India Limited	178,250.00	178,250.00
Effect of biotin supplementation to sperm wash media on the enhancement of sperm function and pregnancy outcome in intrauterine insemination programme - Dr Guruprasad Kalthur	3	Indian Council of Medical Research, New Delhi	1,526,665.00	218125.00
Electrophysiological and clinical correlates of facial emotion recognition in schizophrenia versus bipolar disorder Dr Kirtana M Pai	3	Ministry of Science & Technology, Department of Science & Technology, New Delhi	1,459,000.00	454,000.00

Specific research Plan for Clear Vue Derivative Study protocol Project - Rajgopal K, KMC, Manipal	1	Philips India Ltd	480,900.00	480,900.00
Enteric Fever in India - A Retrospective Review of Existing Data Surveillance for Enteric Fever in Asia Project (SEAP) - Dr Vandana K E	2 momths	Translational Health Science & Technology Institute	278,300.00	278,300.00
Investigating the role of IFT52 and EXOC6B in human biology and disease using cell-culture and Drosophila systems- Dr Priyanka Upadhyai	3	Science & Engineering Research Board (SERB), New Delhi	5,152,733.00	150,000.00
Cathlab iX central project @ KMC, Manipal – Dr. Ashwal		Philips India Ltd, Bangalore	261,366.00	261,366.00
OSB14286 - Dr Mukhyaprana Prabhu	1 month	Sanofi Synthelabo (India) Pvt Ltd	301,000.00	105,140.00
Proposed data collection protocol for Bio-patch evaluation - Dr Raviraj Acharya	1.5months	Intel Technology India Pvt Limited	714,150.00	714,150.00
CACZ885M2301 - Dr Tom devasia	4	Novartis Healthcare Pvt Ltd	1,658,600.00	182,620.00
KMC/AGELESS/01/2015 - Dr K L Bairy	18 months	Apex Laboratories Private Limited	626,400.00	250,560.00
KMC/AGELESS/03/2015 - Dr K L Bairy	18 months	Apex Laboratories Private Limited	568,800.00	227,520.00
KMC/AGELESS/05/2015 - Dr K L Bairy	18 months	Apex Laboratories Private Limited	828,800.00	331,520.00
B3271002/1313 - Dr Donald Fernandes	8 Months	ICON Clinical Research India Pvt	Per patient 3,43,567.00	317,796.00

		Ltd		
Establishment of the Indian Stroke Clinical Trial Network (INSTRuCT)- Dr Sankar Prasad	3	Indian Council of Medical Research, New Delhi	411,600.00	411,600.00
Dr Girish K M	1	Regents of the University of Michigan, USA	USD 177538	5813576.86
Dr Veena Kamath, Community Medicine	2.5	Programme for appropriate Technology, Washington, USA	49,901,574.00	8,078,375.68
Dr Chiranjay Mukhopadhyay, Dept of Microbiology, KMC, Manipal	1	Dr Raymond Houghton, Director New product Development, InBios International Inc, 562, 1st Avenue South Suite 600, Seattle WA 98104, USA		333,959.00
Travel grant to Malavika Hebbar, JRF, Medical Genetics, KMC, Manipal for attending ASHG 2016 held during 18.10.2016 to 22.10.2016 in Vancouver, Canada		Science & Engineering Research Board (SERB), New Delhi	102,786.00	102,786.00
1st Installment for the study -Feasibility Study of 3D Ultrasound Visualization of Anatomical Structures & Applicator in Brachytherapy for Cervical Cancer treatment – Dr. Vidyasagar		Philips India Ltd, Bangalore	422,618.00	422,618.00

B3281006 - Dr Karthik S Udupa	1	Icon Clinical Research (India) Pvt Ltd	Per patient 2,00,000.00	68,021.00
Rota:03/12- Dr Veena Kamath	2	Serum Institute of India Pvt Ltd	468,336.76	49,645.67
KMC/Ageless Liquid/01/2014 - Dr K L Baiyy	18 months	Apex Laboratories private limited	780,600.00	37,236.00
KMC/Ageless Liquid/03/2014 - Dr K L Baiyy	18 months	Apex Laboratories private limited	810,600.00	35,916.00
CLR-10-33 Dr Sudha Vidyasagar	6 months	Sun Pharmaceutical Industries Ltd	50,000/Per patient	4,675.00
RMS/OS/BD/1202 - Dr Kiran Acharya	1yr	Regenerative Medical Services Pvt Ltd	409,715.00	15,000.00
BRV07 - Dr Avinash Shetty	2	Shantha Biotechnics Limited	1,906,000.00	304,623.00
OBSI4286 Novartis HF Report, Protocol – Dr Tom Devasia		Mapi Life Sciences UK, Ltd	3,550,000.00	2,732,350.00
CRD-889- Dr Tom Devasia	1	St.Jude Medical India Pvt Ltd-	23,803/ Per patient	115,000.00
Tips-3- Dr Sudha Vidyasagar	6	Cadila Pharmaceutical Ltd	56,000/per patient	8485.00
Hospital-Based Surveillance of Acute Febrile Illness in western Ghat Region of	5	CDC Atlanta	370,540,973	295,947,257

India				
MINOR PROJECTS				
Secondary Prevention by Structured Semi-Interactive Stroke Prevention Package in India (SPRINT)_INDIA)- Dr Sankar Prasad Gorthi,	2	Indian Council of Medical Research, New Delhi	46,980.00	46,980.00
A prospective clinico mycological study of recurrent/resistant cutaneous dermatophytosis- Dr Shrutakirthi D Shenoi	2	Glenmark Pharmaceuticals Limited	100,000.00	100,000.00
Invitro assessment of antimicrobial activity spectrum of bioactive compounds- Dr Mamatha Ballal	4months	Sami Labs Limited		
KMC/NW 516/05/2016 Dr Smita Shenoy	8 months	Ayurwin Pharma Pvt Ltd	87,941.00	63,250.00
Travel grant to Dr Haneil Larson D'souza to attend 23rd International Symposium on the Forensic Sciences, held at Auckland, New Zealand - Dr Haneil Larson D'souza		Centre for International Co-operation in Science (CICS), New Delhi	20,000.00	20,000.00
Survey of IDD -Dr Avinash Shetty	4 months	Directorate of Health & Family Welfare Services	50,000.00	50,000.00
Travel grant – Dr P S V N Sharma			60,000.00	60,000.00
Attendance Grant-Gut Microbiome 2016-An International Perspective - Dr Mamatha Ballal,		European Society of Clinical microbiology & Infectious	46,686.40	46,686.40

		Diseases(ESCMID) , P.O Box 214, 4010 Basel, Switzerland		
Health checkup of the farmers - Dr Shankar M Bakkannavar & Dr Vinutha R Bhat	-	University of Agricultural Sciences, Dharwad	100,000.00	100,000.00
Interdisciplinary Projects	-	-	-	-
Industry sponsored	25			
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>	2 months	ICMR	210,000/-	210,000/-
Any other(Specify)				
Total				

Prasanna School of Public Health

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	1.4	Unicef, Hyderabad & Robert Bosch, Bangalore	Rs.28,60,000 Unicef Project 7,12,943-Boch Project Total Rs.3572943	26,09,461 Unicef Project Rs. 06,71,066 Bosch Project Rs. 32,80,527
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

3.7 No. of books published i) With ISBN No.

5

Chapters in Edited Books

16

KMC, Manipal

0

1

ii) Without ISBN No.

Dept of Library & Information Science

i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

KMC, Manipal

Level	International	National	State	University	College
Number	3	1	-	-	-
Sponsoring agencies	-	4	-	-	-

Prasanna School of Public Health

Level	International	National	State	University	College
Number	1	3	0	0	0
Sponsoring agencies	0	23			

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

	International	National	Any other
KMC, Manipal	5	52	-
Dept of Virology	6	3	-
Department of Statistics		1	-
Prasanna School of Public Health	1	3	-

3.14 No. of linkages created during this year

3.15 Total budget for research for current year:

KMC, Manipal

From Funding agency	<input type="text" value="339646454.00"/>
From Management of University/College	<input type="text" value="43,006,000.00"/>
Total	<input type="text" value="769,652,454.00"/>

Prasanna School of Public Health

From Funding agency	<input type="text" value="-"/>	From Management of University/College	<input type="text" value="Rs. 7,00,000"/>
Total	<input type="text" value="Rs. 7,00,000"/>		

3.16 No. of patents received this year

KMC, Manipal

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

Dept of Virology

Type of Patent		Number
----------------	--	--------

National	Applied	1
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
45	7	7	3	-	-	28

3.18 No. of faculty from the Institution

	KMC, Manipal	Dept of Virology	Department of Statistics	Dept of Library & Information Science	Prasanna School of Public Health
Ph. D. Guides	7	2	5	1	3
Students registered under them	8	5	7	0	0

3.19 No. of Ph.D. awarded by faculty from the Institution

	KMC, Manipal	Dept of Virology	Department of Statistics
No. of Ph.D. awarded faculty from the Institution	7	2	3

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

	JRF	SRF	Project Fellows	Any other
KMC, Manipal	25	11	08	07
Department of Statistics	02	01		

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="96"/>		
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="-"/>	Any other	<input type="text" value="-"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

KMC, Manipal

- Participation in national health programmes of the government
- Conduct of camps at various places involving various departments of the hospital
- Conduct and participation in blood donation camps

- VSO organized camps for patients and activities for fund raising for poor students
- Radio/TV shows, articles in newspapers by faculty on health related issues

Dept of Virology

1. Rabies Day Awareness Rally

Prasanna School of Public Health

- Stakeholder Analysis and Capacity building in Risk Communication
- Volunteer Services under VSO
- Social activities and visit at MANSA, Roshini Nilaya, ASARE capacity building of PHC - Malpe

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

KMC, Manipal

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	140.3 Acre	-	-	140.3 Acre
Class rooms	92	-	-	92
Laboratories	47	-	-	47
Seminar Halls	38	-	-	38
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	684	46	OWN	730
Value of the equipment purchased during the year (Rs. in Lakhs)	4231.14	281.34	OWN	4512.48
Others				

Dept of Virology

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	1	0	ICMR and University	1
Class rooms	1	0	ICMR and University	1
Laboratories	1	0	ICMR and	1

			University	
Seminar Halls	1	0	ICMR and University	1
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	193	53	CDC Atlanta	246
Value of the equipment purchased during the year (Rs. in Lakhs)	790	617	CDC Atlanta	1407
Others				

Department of Statistics

Facilities	Existing	Newly created	Source of Fund	Total
Campus area				
Class rooms	02			
Laboratories	01 (Computer)			
Seminar Halls				
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	Nil			
Value of the equipment purchased during the year (Rs. in Lakhs)	Nil			
Others	Nil			

Dept of Library & Information Science

Facilities	Existing	Newly created	Source of Fund	Total
Campus area				
Class rooms	2	-	-	2
Laboratories	1	-		1
Seminar Halls	1	-		-

No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	-		-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-		-
Others				

Prasanna School of Public Health

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	725 Sq.mt	--	--	725 Sq.mt
Class rooms	05	02	Own Funds	07
Laboratories	00	00	--	00
Seminar Halls	02	--	--	02
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	--	--	--	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	--	--	--	--

4.2 Computerization of administration and library

Administration & Library is fully computerized
--

4.3 Library services:

KMC, Manipal

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	41721	3,73,61,510.31	1049	37,30,473.18	42770	4,10,91,983.49
Reference Books						
e-Books	9126	11,54,246.00	3630	4,77,002.00	12756	16,31,248.00
Journals	169	2,35,00,410.00	4255	2,03,06,985.00	150	4,38,07,395.00
e-Journals	126				4550	
Digital Database	10	1,38,37,345.00	2	1,67,04,481.00	12	3,05,41,826.00

CD & Video	491	-	21	-	512	-
Others (specify)	-	-	-	-	-	-

Dept of Virology

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	0	0	0	0	0	0
Reference Books	195	20,00,000.00	0	0	195	20,00,000.00
e-Books	0	0	0	0	0	0
Journals	2	5,00,000.00	0	0	2	5,00,000.00
e-Journals	17	FOC	0	0	17	FOC
Digital Database	0	0	0	0	0	0
CD & Video	0	0	0	0	0	0
Others (specify)	0	0	0	0	0	0

Department of Statistics

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	88					
Reference Books						
e-Books	08					
Journals & e-Journals	03					
e-Journals						
Digital Database						
CD & Video						
Others (specify) – Magazine	14					

Dept of Library & Information Science

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	450	5,98,731.15	13	39,680.39	463	6,38,411.54
Reference Books						
e-Books	-	-	-	-	-	-
Journals	3	11,397.00	2	11,710.00	12	23,107.00
e-Journals	7					
Digital Database						
CD & Video						
Others (specify)						

Prasanna School of Public Health

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	148	588876	100	2,00,000	248	788876
Reference Books	-	-	-	-	-	-
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

KMC, Manipal

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	571	-	-	-	-	-	-	-
Added	21	-	-	-	-	-	-	-
Total	592	-	-	-	-	-	-	-

Dept of Virology

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	26	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Added	0	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Total	26	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Department of Statistics

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
--	-----------------	---------------	----------	------------------	------------------	--------	-------------	--------

Existing	36	01	Yes			01	01	
Added	Nil							
Total								

Dept of Library & Information Science

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	15	11 computers				1	3	-
Added	-							
Total	15							

Prasanna School of Public Health

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	02	00	There is Lan Connection & Wifi Connectivity in our Department		00	01	01	00
Added	00	00		00	00	07	00	
Total	02	00		00	01	08	00	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- All the faculty and students are provided with a laptop
- All the departments are provided with computers, LAN Internet and computer accessories
- Wi Fi internet is available throughout the campus
- Free internet facility for the staff in the library and in the department
- Training provided on epad for faculty & students
- Training provided on editing of lectures captured in impartus.

4.6 Amount spent on maintenance in lakhs :

KMC, Manipal

i) ICT

97.20

ii) Campus Infrastructure and facilities	741.50
iii) Equipments	224.12
iv) Others	155.02
Total :	1217.87

Dept of Virology

Amount spent on maintenance in lakhs :

i) ICT	
ii) Campus Infrastructure and facilities	
iii) Equipments	617
iv) Others	25
Total :	642

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student Orientation programme at the beginning of the academic programme
- At the beginning of every academic year, the students are provided with an updated prospectus and handbook published by institution annually.
- Timely announcements of upcoming events, projects, and notices are displaced in notice board kept at vantage points.
- Groups emails are sent to students and parents whenever necessary

5.2 Efforts made by the institution for tracking the progression

- Student Information System for tracking the students progress in academics, attendance and other related issues.
- Teacher guardians offer academic guidance to students, recommend them for counselling, if necessary, and also meet/communicate with parents of their mentees to update them on their progress. The teacher guardian maintains a record in which he/she updates details of academic performance and curricular progress.
- Biometric attendance to monitor attendance of students to classes.
- Department identify students with poor attendance / academic performance – communication sent to Dean.

5.3

KMC, Manipal

(a) Total Number of students

UG	PG	Ph. D.	Others
1221	582	8	-

(b) No. of students outside the state

1397

(c) No. of international students

181

Men

No	%
866	48

Women

No	%
945	52

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1201	19	7	37	-	1264	1233	23	6	48	-	1306

Demand ratio - 0.0039 (UG); 0.018 (PG)

Dropout % - 32.8 % (UG) & 22.53 % (PG)

Dept of Virology

Total Number of students

UG	PG	Ph. D.	Others
	17	3	

(b) No. of students outside the state

8

(c) No. of international students

1

Men	No	%	Women	No	%
	5	25		15	75

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
6	0	0	2	0	8	6	0	0	3	0	9

Demand ratio

Dropout %

Department of Statistics

Total Number of students

UG	PG	Ph. D.	Others
	31	07	

(b) No. of students outside the state

21

(c) No. of international students

-

No	%
11	29

Men

No	%
27	71

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
23	2	Nil	13	Nil	36	9	Nil	Nil	8	Nil	17

Demand ratio

Dropout % 3

Dept of Library & Information Science

(a) Total Number of students

UG	PG	Ph. D.	Others
9	1	10	

(b) No. of students outside the state

2

(c) No. of international students

-

Men		Women	
No	%	No	%
3	30	7	70

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
11					11	10					10

Prasanna School of Public Health

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
NA	179	NA	NA

(b) No. of students outside the state

104

(c) No. of international students

1

Men		Women	
No	%	No	%
72	40.23	107	59.77

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
207	02	06	00	00	215	150	12	09	08	00	179

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Nil

No. of students beneficiaries

-

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

No of students counselled by Student Counsellors(MU) = 105
No of students counselled by Clinical Psychologists(SSC) = 14

No. of students benefitted

101

5.7 Details of campus placement

	<i>On campus</i>			<i>Off Campus</i>
	Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
KMC, Manipal	3	26	5	5
Department of Statistics	02	10	05	04

5.8 Details of gender sensitization programmes

MAHE has a policy on grievance redressal mechanisms – employees have been made aware about this. All the employees have been oriented to the gender sensitization and sexual harassment of women at workplace policies and legal framework

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

KMC, Manipal

	Number of students	Amount
Financial support from institution	259	35133961
Financial support from government	21	789070
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

Dept of Virology

	Number of students	Amount
Financial support from institution	1	9000.00
Financial support from government	1	6,000.00
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

Department of Statistics

	Number of students	Amount

Financial support from institution		
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions	01	6957 USD

Dept of Library & Information Science

	Number of students	Amount
Financial support from institution	3	
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

Prasanna School of Public Health

	Number of students	Amount
Financial support from institution	12	As per the norms
Financial support from government (Scholarships)	7	As per the norms
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

KMC, Manipal

Vision

To provide global leadership in human development, excellence in education and healthcare

Mission

To train competent, compassionate and caring physicians through excellence in teaching, patient care and medical research

Dept of Virology

- Excellence in Public health Virology
- Excellence in basic research in Virology
- Excellence in transitional virology
- To provide diagnostic virology support to public health services
- To conduct research in basic virology, epidemiology, diagnosis, treatment and prevention of viral diseases including emerging viruses to inform policy
- To create trained manpower in the field of Virology
- Promote 'one health' in Virology
- To develop rapid and affordable quality diagnostic assays for viral diseases
- To promote the concept of one health in Virology
- Instrumental in nation's public health policy making
- Responding to 'Global Health Security Agenda'
- Self-sustenance and entrepreneurship

Department of Statistics

Preamble: The vision of the department of statistics is to build up a world class capacity in applied statistical sciences for the Asian region. This vision is shaped in alignment with Manipal University's vision to achieve the global leadership position in human development, excellence in education and health care. This centre for Statistics will continuously aim at attracting high quality students, researchers and industries for training, placement and collaboration needs in statistical sciences and related areas.

Vision

- 1.To become Asia's leader in teaching, training, research and consultancy in applied statistical sciences
- 2.Establish an institute for applied statistics (Manipal Institute of Applied Statistical Sciences (MIASS)) and achieve world class by 2010.

The above vision shall be achieved through the mission and the values stated below:

Mission

Be the most preferred choice of

- a) Students for
 - training, internship and research
- b) Industry, governmental and nongovernmental organizations for
 - consultancy, training, placement and collaboration
- c) Faculty for
 - teaching, research collaboration, fellowship and training needs
- d) Researchers for
 - consultancy and collaboration
- e) Universities and funding organizations for
 - collaboration

Values

Integrity – In collaborating with internal and external departments, data handling and sharing, managing grants, Research

Quality – Teaching, training, consultancy, and research

Transparency- Assessment, evaluation, funding, data sharing, industry collaboration

Execution with passion and innovation- Teaching, training, Research

Team work and scientific temperament- Research and consultancy

Prasanna School of Public Health

The department's vision is to build a highly competent group of professionals in all the three disciplines, having a strong knowledge base and expertise in understanding, assessing, analysing and evaluating broad range of health and psychosocial issues prevalent in the community and society.

The department has a well-established network with a number of universities abroad and also strong links with public, private and governmental institutions.

6.2 Does the Institution has a management Information System

Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

KMC, Manipal

1. Board of Studies meeting conducted twice a year to upgrade curriculum, examination pattern, teaching methodology
2. Subject Expert from other University included in the BoS
3. Student Representative included in the BoS
4. Separate Board of studies for **each Pre**, Para and Clinical departments, PG and Superspecialty departments
5. Feedback from students

Department of Statistics

- Curriculum is based on the research needs and the need of the employers to make them industry ready
- Training in SAS by alumni, for industry oriented learning
- Seminar(s) and Journal presentation every semester, for learning beyond books and to keep them updated with recent advancements
- Hands on experience for statistical consultation
- Could establish link with one of the best international organization in Evidence based health care, The Cochrane Collaboration, could start its public health group branch for South Asia at Manipal.

Prasanna School of Public Health

Yes. BOS Stakeholder inputs, Alumni Feedback, Industry Feedback, Student feedback and inputs on upgradation of curriculum.

6.3.2 Teaching and Learning

KMC, Manipal

1. ICT enabled teaching, didactic lectures, discussions, seminars, quiz contests, Integrated teaching, Case Based Learning, SDL, TBL
2. Academic calendar prepared and given to students
3. Course outline and syllabus given to students in the form of Soft copy
4. Conduct of - Clinical Pathophysiology and Therapeutics and Diagnostic Reasoning by international faculty.
5. E-learning platform - Powerpoint presentation of lectures uploaded by faculty; submission of assignment by students; multiple choice questions for practice.
5. Impartus – lectures viewed by students

Dept of Virology

Active involvement of students in ongoing departmental training workshops in order to enhance both theoretical and practical learning

Involvement in routine clinical case discussions and scientific meetings

Department of Statistics

1. MSc Biostatistics students spend minimum 8 weeks internship and work on an independent project and complete it by end of the fourth semester.
2. Equipped with state of the art computational facility and in possession of packages namely SAS, STATA, SYSTAT, SPSS, R, nMaster, Epi Info, Review Manager and EndNote.
3. Department being a statistical consultancy center, students assist faculty in providing consultations for all levels of biomedical researchers of the University, hence receive hands-on experience.
4. Conducts regular training on statistical softwares like SAS, SPSS, STATA and R for making students industry ready.
5. Technical and financial support to the students to attend / conduct workshop / conference/ training Programmes etc...
6. Hands on experience for statistical consultation
7. Exposure to Industry (internship & project for selected students) in the fourth semester keeps them industry ready
8. Support and encouragement to students for paper presentation in conferences

Prasanna School of Public Health

Faculties were encouraged to attend pedagogic workshop. Student feedback was held.

6.3.3 Examination and Evaluation

KMC, Manipal

Objective Structured Practical Examination (OSPE)
Objective Structured Clinical Examinations (OSCE)
Written exam - Objective and Descriptive type of Theory questions
Double evaluation of answer scripts -Evaluation by internal and external examiners as per rules of regulatory body-
Multiple choice questions – Clinical vignette based questions
Periodic tests (MCQs/descriptives) in additional to regular sessional exams.
First year MBBS sessional and final examinations was successfully conducted using epad.

Department of Statistics

We do internal evaluation of the students through sessional examination, seminar / journal presentation (two sessional examination in first three semesters) and through protocol and interim presentation (in fourth semester). Students also permitted to improve internal assessment marks those who scored less than 50% marks in sessional examination.

Independent evaluation by external members Including all spectrum of learning in evaluation

Feedback on students' expertise in the subject as well as their suitability for the industry, is obtained from those who hire.

6.3.4 Research and Development

KMC, Manipal

Provision of seed money to students (undergraduate and postgraduates) and faculty for research work.

Conduct of workshops on research methodology for students and faculty.

Incentives for publication in scopus indexed journal based on impact factor and order of authorship for students and faculty.

Financial support to students and faculty for conference presentations.

Dept of Virology

Expanding collaboration with international and national research organisations
Fully operational Student exchange programmes

6.3.5 Library, ICT and physical infrastructure / instrumentation

Manipal University has an excellent Health Sciences Library, perhaps the best among all Health Sciences Libraries in India. The state of the art library stretching over 1.5 lakh square feet, on five levels is a domain for information seekers; be it students, faculty or researchers. It has the capacity to accommodate 1300 students at a time. Besides the comfortable seating and reading environment, the library is well equipped with modern facilities such as e-learning, access to internet and web resources including online journals and e-books. Library is providing a growing range of databases on the campus network. Access to e-resources subscribed by the library has also been provided for off-campus users. All the library services have been automated on modern line. The library has fully computerized its collection, which could be accessible through OPAC. The library is enabled with Wi-Fi technology and security systems with Closed Circuit Television System (CCTV). There is a separate audio-visual room,

6.3.6 Human Resource Management

Training & Development programs for teaching and research.
Support for participating in national and international conferences, cultural activities and sports.
Support for enrolment into professional bodies
Performance incentives are given based on the appraisal.
Regular trainings are conducted for all the categories of staff.

6.3.7 Faculty and Staff recruitment

Faculty Selection Committee at the University level selects and appoints the faculty. Vacant positions are notified to the University for filling the same.

6.3.8 Industry Interaction / Collaboration

Post graduate students posted for 1-2 months internship in industry
 Faculty involved in conduct of clinical trials
 Faculty involved in conduct of animal studies for product efficacy and safety
 Industry grants for research

6.3.9 Admission of Students

KMC, Manipal

Students admitted to undergraduate and postgraduate medical courses via their ranking in NEET exams .
 Superspeciality and PhD students are admitted based on their performance in qualifying exam, entrance exam and interview.

Dept of Virology

Extensive canvassing about the course MSc Clinical virology and placement prospects through suitable channels

6.4 Welfare schemes for

Teaching	Medicare, GTLI, school fee reimbursement, fee concessions, membership to the library, Membership to professional bodies, PF & gratuity, free laptop, conference facility, NPS, Leave Encashment, Sodexo Meal/Gift vouchers, 6 months maternity leave.
Non teaching	ESI, Medicare, GTLI, school fee reimbursement, fee concessions, membership to the library, PF & gratuity, NPS, Gratuity, Leave Encashment
Students	Medicare facilities, Anti-ragging committee, Counselling facilities, Felicitation of students for co-curricular and academic activities, Support for research, publications and attending conferences, student clinics

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done

Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	Internal quality auditors certification
Administrative	No		Yes	Internal quality auditors certification

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Sessional and final exams for 1st MBBS successfully conducted using epad

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

MAHE promotes autonomy by allowing management of academic programmes. All teaching learning activities are self-governed by Institution

6.11 Activities and support from the Alumni Association

KMC, Manipal

Annual alumni meeting is held
Alumni visit departments and deliver guest lectures

Department of Statistics

Conducted SAS Training for MSc. Biostatistics students by alumniees

1. Ms. Ashwini Shenoy (Associate Statistician GSK Pharmaceutical Ltd. Bangalore) – 3rd & 4th September 2016
2. Ms. Neha Shrikant Pakhle (Biostatistician, Sciformix, Pune) – 3rd & 4th September 2016
3. Ms. Sheril Thomas – Efficacy, Bangalore – 1st & 2nd October 2016
4. Mr. Manjunath Halemane – GE India Exports Pvt. Lt., Bangalore – 1st & 2nd October 2016
5. Helping department to place the students for internship

Prasanna School of Public Health

Linking of Students E-Mail to Alumni Portal, Alumni Meet was held.

6.12 Activities and support from the Parent – Teacher Association

Participate in college activities and give feedback for improvement in T-L and student support
Representation in IQAC. Parents part of mentor cell

6.13 Development programmes for support staff

Communication and soft skill development

6.14 Initiatives taken by the institution to make the campus eco-friendly

Institution is 14001:2015 certified with objectives of reducing paper, water and power consumption; bio waste management is as per the norms and prescribed guidelines and waste water treatment. Trees being planted in rainy season. Paperless exams after introduction of e-pads. LED bulbs have been installed. Solar panels mandatory for new buildings . Campus is a No smoking zone

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

KMC, Manipal

Epad – successful conduct of sessional and university exams – reduction in paper consumption

Dept of Virology

Upgradation of infrastructure to meet diagnostic requirements towards strengthening public health

Rapid detection, diagnosis and surveillance of infectious disease with the turnover time of 24-36 hours.

Prasanna School of Public Health

1. Problem based learning, Hands on field Experience, Field Exposure visits, Short term research, Role play case study, Video case discussions (Skype), Journal Discussions, E-Learning, Webinar etc.
2. Foundation Program, collaborative program with Maastricht University is a technology enabled program delivered through e-learning platform. Student Semester program with Maastricht University.
3. Student taking up exchange programmes.
4. Médecins Sans Frontières - India is collaborating with Manipal Academy of Higher Education to initiate the Global Health and Humanitarian Medicine programme, a webinar Programme.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

2016 data taken as baseline for target achievement in 2017

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

KMC, Manipal

- Conduct of CPPT for undergraduates
- Epad for examinations – decrease in paper consumption.
- Assignment submission by students on elearning platform - decrease in paper consumption.

Dept of Library & Information Science

- 1.Organizing Information Literacy Programmes
2. Conducting Author workshops

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

Dept of Virology

1. Strictly adheres to Biosafety and bio security standards
2. Regular upgradation of course syllabus in clinical Virology

Department of Statistics

- Hands on experience for statistical consultation
- Exposure to Industry (internship & project for selected students) in the fourth semester keeps them industry ready
- Support and encouragement to students for paper presentation in conferences
- Training by alumni with experience in industry for industry oriented learning
- Seminar(s) and Journal presentation every semester, for learning beyond books and be updated with recent advancements

Best Practices in Teaching and Evaluation:

- Independent evaluation by external members
- Including all spectrum of learning in evaluation

Prasanna School of Public Health

1. Foundation Program, collaborative program with Maastricht University is a technology enabled program delivered through e-learning platform.
2. Student Semester program with Maastricht University.

7.4 Contribution to environmental awareness / protection

Awareness programmes conducted for staff and student about environmental protection. Saplings planted in campus.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strength – good infrastructure, qualified and experienced faculty, promotion of research, mentoring cell for students
 Opportunities – increase in academic and research collaborations
 Threats – Changes in regulations related to admissions

8. Plans of institution for next year

KMC, Manipal

Teaching learning –Training of faculty for the conduct of Clinical Pathophysiology and Therapeutics and Diagnostic Reasoning (CPPT) .

Conduct of CPPT by our faculty for undergraduates

Dept of Virology

1. Expand networking with world's leading institutions/organization in infectious disease research
2. Enhance expertise in diagnostic virology, virus research and antiviral drug discovery
3. Extend diagnostic support and outbreak investigation services for emerging infectious diseases.
4. Apply for NABL Accreditation
5. New campus with state of the art facilities including biosafety and biosecurity features at par with international and national standards

Department of Statistics

1. Post graduate diploma in biostatistics

To become Asia's leader in teaching, training, research and consultancy in applied statistical sciences

Name Dr Smita Shenoy

Name Dr Pragna Rao

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme

- SF - Self Financing
- SLET - State Level Eligibility Test
- TEI - Teacher Education Institution
- UPE - University with Potential Excellence
- UPSC - Union Public Service Commission
