

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)

2013-14

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 Pradeep Kumar G

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				
3	3 rd Cycle				
4	4 th Cycle				

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)4
- 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	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="6"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="1"/>
2.3 No. of students	<input type="text" value="2"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="0"/>
2.8 No. of other External Experts	<input type="text" value="0"/>
2.9 Total No. of members	<input type="text" value="12"/>
2.10 No. of IQAC meetings held	

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

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

Medical education workshop
 Clinical trials and Statistics
 Pharmacovigilance
 Career Guidance for Life Science students
 Pre analytical errors and Importance of Calibration and controls
 P3 and LEAN presentation
 Ethical issues in Biomedical Research
 Workshop on Blood Safety

2.14 Significant Activities and contributions made by IQAC

- Since its inception the internal quality assurance cell (IQAC) of KMC Manipal has been working on developing quality and key performance indicators for the institution. The key focus has been on feedback and shifting of feedback from manual to online system for majority of the stakeholders like students and employees.
- The feedback analysis is done by the IQAC.
- IQAC is also encouraging research based work culture among students and faculty
- Sensitization of all staff/ Holding regular meetings.
- Community and extension programmes.
- Professional Development programme

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
Setting benchmark indices for assessment of quality indicators	Benchmarks are set. Faculty were sensitized regarding the quality indicators.

* 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

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	12	-	12	12
PG	48	-	48	48
UG	1	-	1	1
PG Diploma	10	-	10	10
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	3	-	3	3
Others	-	-	-	-
Total	74	-	74	74
Interdisciplinary	74	-	74	74
Innovative	-	-	-	-

- 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)
Trimester	-
Annual	63 (All others)

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.

Periodic updating/revision of syllabi is done by the board of studies of the University with a view to enhance the quality

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

-

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others (SR)
407	123	94	110	80

2.2 No. of permanent faculty with Ph.D.

24

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	R	V	R	V	R
23	18	04	19	06	23	18	04	19	06

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

15

0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	102	290	-
Presented papers	94	263	-
Resource Persons	0	16	0

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

- Integrated teaching is introduced in pre and para clinical departments.
- Horizontal and vertical integration of various subjects were implemented.
- Small group teaching / discussions

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

300

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- A particular question is evaluated by same faculty in sessional examination in-order to reduce the disparity.
- OMR enabled Multiple Choice questions

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

60 10 14

2.10 Average percentage of attendance of students

> 75%

2.11 Course/Programme wise distribution of pass percentage :

Sl.No	Title of the Programme	Total Number of students appeared October, 2013(MD/MS)	Total Number of students passed	Distinction%	I %	II %	III %	Pass %
1	MD(Anatomy)*	1	0	0	0	0	0	
2	MD(Physiology)*	1	0					
3	MD(Microbiology)*	1	1					

4	MD(Pharmacology)*	1	1					
5	MD(General Medicine)*	1	1					
6	MS(General Surgery)*	3	3					
7	MS(Orthopaedics)*	1	0					
8	MS(Ophthalmology)	2	1					
9	MS(Obstetrics & Gynaecology)	3	3					
		October, 2013(Diploma)						
1	D.L.O.(Oto-Rhino-Laryngology)	1	1	0	0	1	0	0
2	D.G.O.(Obstetrics & Gynaecology)	1	1	0	0	1	0	0
		April, 2014(MD/MS)						
1	MD(Biochemistry)	2	2	0	0	0	0	0
2	MD(Forensic Medicine)	2	2					
3	MD(General Medicine)	20	20					
4	MD(Paediatrics)	4	4					
5	MD(Pathology)	6	6					
6	MD(Physiology)	1	0					
7	MD(Psychiatry)	3	3					
8	MD(Radiotherapy)	2	2					
9	MD(Dermatology, Venereology & Leprosy)	2	2					
10	MD(Hospital Administration)	2	2					
11	MS(Obstetrics & Gynaecology)	8	7					
12	MS(Oto-Rhino-Laryngology)	5	5					
13	MS(Ophthalmology)	7	7					
14	MS(Orthopaedics)	6	5					
		April, 2014(Diploma)						
1	D.C.P.(Clinical Pathology)	5	5	0	1	4	0	0
2	D.C.H.(Paediatrics)	2	2	0	0	2	0	0
3	D.P.M.(Psychiatry)	6	6	0	0	6	0	0
4	DM.R.D.(Radiodiagnosis)	2	2	0	1	1	0	0
5	D.D.V.L.	2	2	0	0	2	0	0
6	D.A.(Anaesthesiology)	4	4	0	0	4	0	0
7	D.G.O.(Obstetrics & Gynaecology)	4	4	0	0	4	0	0
8	D.O.(Ophthalmology)	1	1	0	0	1	0	0
9	D.Ortho(Orthopaedics)	4	4	0	1	3	0	0
10	D.L.O.(Oto-Rhino-Laryngology)	1	1	0	1	0	0	0

		May, 2014(MD/MS)						
1	M.D.(Anaesthesiology)	9	9					
2	MD(Community Medicine)	4	4					
3	MD(Microbiology)	4	4					
4	MD(Pulmonary Medicine)	2	2					
5	MD(Pharmacology)	5	5					
6	MD(Radiodiagnosis)	4	4					
7	MS(General Surgery)	9	9					
		July, 2014						
1	DM(Cardiology)	1	1					
2	DM(Neurology)	2	2					
3	DM(Gastroenterology)	1	1					
4	M.Ch(Urology)	2	2					
5	M.Ch(Neuro Surgery)	2	2					
6	M.Ch(Paediatric Surgery)	1	1					
Sl.No	Title of the Programme	Total Number of students appeared February, 2014(M.Sc)	Total Number of students passed	Distinction%	I %	II %	III %	Pass %
1	M.Sc(Medical)Anatomy	6	3	0	1	1	0	1
2	M.Sc(Medical) Physiology	1	1	0	0	0	0	1
3	M.Sc(Medical)P Microbiology	6	5	0	0	2	0	3
4	M.Sc(Medical)Pharmacology	4	2	0	0	0	0	2
		July, 2014(M.Sc)						
1	M.Sc(Medical)Anatomy	7	6	1	1	4	0	0
2	M.Sc(Medical)Biochemistry	13	12	2	7	3	0	0
3	M.Sc(Medical) Physiology	4	4	0	2	2	0	0
4	M.Sc(Medical) Microbiology	22	19	0	2	17	0	0
5	M.Sc(Medical)Pharmacology	9	8	0	3	4	0	1
		Yogatherapy Feb., 2014						
1	M.Sc(Yogatherapy)	1	1	0	0	0	0	0
		Yogatherapy July,						

		2014						
1	M.Sc(Yogatherapy)	3	3	1	2	0	0	0
		July, 2014 M.SC						
1	M.Sc(Clinical Embryology)	6	6	0	1	5	0	0
		Jan., 2014						
1	M.Phil(Psychiatric Socila Work)	1	1	0	0	0	0	1
		August, 2014						
1	M.Phil(Psychiatric Socila Work)	3	3	0	1	0	0	2
		August, 2014						
1	Panchakarma	4	4	0	4	0	0	0

*There is no Division and grades are given in PG MD/MS and Super Specialty University examinations

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 analyzed 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	19
UGC – Faculty Improvement Programme	-
HRD programmes	09
Orientation programmes	46
Faculty exchange programme	-
Staff training conducted by the university	70
Staff training conducted by other institutions	15
Summer / Winter schools, Workshops, etc.	48
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	147	09	01	08
Technical Staff	121	19	13	06

Criterion – III

3. Research, Consultancy and Extension

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

- IQAC encourage the teachers to undertake major/minor research projects sponsored by DST, ICMR and other funding agencies and provide necessary facilities & assistance.
- Renowned researchers are invited for motivational talk on research. Students are encouraged to do research and attend conferences and publish papers in journals
- The staff and students are informed about the various fellowships available and are encouraged to apply for the same
- IQAC encourage the teachers to present papers in international, national and state level seminars and conferences.
- Financial support to Present Research outcomes in National and International Conferences and Publications
- Research incentives are given for publishing papers, books or patents
- Awards are given for best paper published

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	41+4+0+1	38 +0+1+6	79+4+0+0	0+1+6+0
Outlay in Rs. Lakhs (KMC)	67,90,196.00	1,44,70,078.00	8,81,79,271.00	-
Public Health	11,13,500	-	1063500	-
Statistics	-	4,32,688	-	93,79,504
Virus Research	11,28,000	1,59,93,000	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	1	4	02
Outlay in Rs. Lakhs (KMC)	1,29,354	63,000	2,13,354	-
Statistics	-	-	-	21,10,428

3.4 Details on research publications

	International	National	Others
Peer Review Journals	450	182	
Non-Peer Review Journals	-	-	
e-Journals	-	-	
Conference proceedings	-	-	

3.5 Details on Impact factor of publications:

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				
Study of drug resistance in pulmonary tuberculosis cases with and without HIV co-infection in Udupi District, Coastal Karnataka. – Dr. Kiran Chawla	3	Indian Council of Medical Research, New Delhi	3832956.00	1354549.00
To compare the efficacy, safety and effects of Caffeine Versus Aminophylline for Apnea of Prematurity in Indian Neonates. A prospective Randomized Control Trial – Dr. Leslie Lewis	3	Indian Council of Medical Research, New Delhi	1976176.00	585540.00
Effectiveness of Instrumental Indian Classical music on serum cortisol concentrations of Preterm infants on assisted ventilation admitted to a tertiary level Neonatal Intensive Care Unit KMCH - A perspective Control Trial - Dr. Leslie Lewis	3	Indian Council of Medical Research, New Delhi	455,450.00	204,750.00
Understanding the Epidemiology of Antimalarial Drug Resistance in Plasmodium Vivax and Elucidation of Resistance Deterministic Host Factors For Antimalarial Drugs – Dr. Kavitha Saravu	3	Indian Council of Medical Research, New Delhi	2,644,673.00	1,322,336.00
Cissus Quadrangularis Linn (Asthishrinkala) as a regulator of bone progenitor cells in osteoporosis and diabetes induced bone disorders: cellular and	2	Council of Scientific and Industrial Research	1,363,000.00	769000.00

functional basis for osteogenic regenerative medicine - Dr. Kumar MR Bhat				
Biology and Molecular Mechanisms of Melanocyte Keratinocyte Interaction and Pigmentation an Approach toward Therapeutic Implication for Vitiligo - Dr. Kumar MR Bhat	4	Government of India, Ministry of Science & Technology, Department of Biotechnology, New Delhi	2,171,000.00	354,000.00
Monitoring and supervision of ICDS scheme under Central Monitoring Unit - Dr. Pawan Kumar	5	National Institute of Public cooperation and Child development	388,000.00	48,000.00
Evaluation of laser manipulated embryos for their hatching potential, metabolic charges and laser induced effects - Dr. Satish Kumar Adiga	3	Indian Council of Medical Research, New Delhi	2,425,500.00	821,850.00
Fertility preservation using Moringa oleifera/Leaf extract in Mice Treated with Chemotherapeutic Agents and its Mechanism of Action - Dr. Guruprasad Kalthur	3	Indian Council of Medical Research, New Delhi	1,148,131.00	593,712.00
Diagnostic utility, clinical correlates and endophenotypic validity of facial emotion recognition deficits in schizophrenia versus Bipolar Disorder - Dr Rishikesh V Behere	3	Government of India, Ministry of Science & Technology, Department of Science & Technology, NewDelhi	1,188,000.00	100,000.00
Optimizing non invasive markers for embryo selection - Dr Satish Kumar Adiga (Fellowship - Ms Fiona Olvitta D'souza	3	Indian Council of Medical Research, New Delhi	157,333.00	157,333.00
Value of fetal autopsy and establishment of normal fetal radiologic anatomy - Dr K M Girisha	3	Indian Council of Medical Research, New Delhi	1,343,955.00	179,760.00
Behavioural biochemical and histopathological analysis of the effects of antiotensin converting enzyme (ACE) inhibitors and angiotensin receptor blockers (ARBS) on learning and memory	3	Indian Council of Medical Research, New Delhi	1,077,921.00	519,648.00

in male wister rats - Dr Veena Nayak				
Assessment of risk Factors and predictors for spontaneous pre-term birth in a South Indian Antenatal Cohort - Dr Chythra R Rao	3	Indian Council of Medical Research, New Delhi	2,978,884.00	969,535.00
Evaluation of multiple ligation dependent probe amplification (MLPA) for diagnosis and carrier detection in families with a dystrophinopathy	3	Science and Engineering Research Board, New Delhi	2,100,000.00	400,000.00
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	489,180.00	244,590.00
Effect of antituberculosis drugs on gamete functional physiology, fertility potential and pre-implantation embryo developmental potential in mouse - Dr Guruprasad Kalthur	3	Indian Council of Medical Research, New Delhi	751,760.00	475880.00
Repeated superovulation induced changes in the oocytes, embryos and somatic cells - Dr Guruprasad Kalthur	3	Science & Engineering Research Board (SERB)	2,214,400.00	350,000.00
Adolescent health care in two districts of coastal Karnataka an exploratory study - Dr Asha Hegde	2	Indian Council of Medical Research, New Delhi	1,094,372.00	547,186
Intermediates of calcium signal process as oocyte activating agents and development of an optimum culture medium for mouse parthenotes - Dr Guruprasad Kalthur	3	Government of India, Ministry of Science & Technology, Department of Biotechnology	933,000.00	343,000.00
The lost focus on males in adolescent friendly health care services-a qualitative analysis- - Dr Veena Kamath	2	Indian Council of Medical Research, New Delhi	1,882,876.00	344,914.00
A clinico microbiological environmental and molecular approach to explore the epidemiology of neglected disease Meliodosis - - Dr Chiranjay Mukhopadhyay	3	Indian Council of Medical Research, New Delhi	1,516,240.00	908120.00
Strengthening the existing	6	National Institute		

Monitoring and supervision Mechanism for ICDS scheme through NIPCCD - Dr Pawan Kumar		of Public cooperation and Child development	459,938.00	66,500.00
Evaluation of the mechanisms involved in wound healing properties of topical application of few Indian traditional Medicinal Preparations- Histopathological, biochemical, cellular, molecular and biomechanical analysis - Dr Kumar MR Bhat	3	Science & Engineering Reseach Board, New Delhi	1,635,000.00	800,000.00
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	2,003,000.00	178,920.00
EX2211-3748 - Dr. Sudha Vidyasagar	5	Novo Nordisk India Pvt Ltd	7,000,000.00	30,000.00
PPD CV-185056 - Dr.Ganesh Kamath	5	PPD Pharmaceutical Development India Pvt.Ltd	1,440,000.00	61,562.00
Quintiles C0524T18 - Dr.Ganesh Pai	2	Manipal Acunova Ltd	300,000.00	78,844.00
Protocol 01/Skin Irritancy/2012 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	343,200.00	171,600.00
Protocol 002/Burn Study/2012 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	327,000.00	163,500.00
Research Collaboration - Dr.Raviraj Acharya	2	Intel Technology India Pvt Ltd	325000.00	73,034.00
Protocol KMC/PHA/ZINCOVIT 007/2012 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	371,520.00	148,608.00
Protocol ID:KMC/PHA/Zincovit drops 005/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	544,200.00	326,520.00
Protocol ID:KMC/PHA/Zincovit drops 006/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	482,400.00	289,440.00
Protocol ID:KMC/PHA/Zincovit drops 007/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	433,200.00	259,920.00

Protocol ID:KMC/PHA/Zincovit drops 008/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	620,400.00	372,240.00
Protocol ID:KMC/PHA/Zincovit syrup 001/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	544,200.00	326,520.00
Protocol ID:KMC/PHA/Zincovit syrups 002/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	482,400.00	289,440.00
Protocol ID:KMC/PHA/Zincovit syrups 003/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	433,200.00	259,920.00
Protocol ID:KMC/PHA/Zincovit syrups 004/2013 - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	620,400.00	372,240.00
Protocol No P08388 - Dr.Pratap Kumar	2	G V K Biosciences Pvt Ltd	300,000.00	13,500.00
MK0524-A108-00 - Dr. Sudha Vidyasagar	2	Covance India Pharmaceutical Services India Pvt. Ltd	1,026,500.00	25,704.00
TUXEDO-India Study - Dr. Ranjan Shetty	2	Escorts Heart Institute and Research Center Ltd	1,449,000.00	88,928.00
Zincovit Project - Dr.K L Bairy	1	Apex Laboratories Pvt Ltd	1,498,439.00	167,869.00
WSA-CS-004 study - Dr.Dipak Ranjan Nayak	7	Quintiles Research (India) Pvt.Ltd.	2,540,000.00	153,980.00
Protocol No. CACZ885M2301 Study - Dr. Tom Devasia	4	Novartis Healthcare Ltd	1,658,600.00	71,160.00
Protocol KMC/PHA/ZINCOVIT 005/2012 - Dr.K L Bairy	2	Apex Laboratories Pvt Ltd	442,200.00	176,880.00
Protocol KMC/PHA/ZINCOVIT 006/2012 - Dr.K L Bairy	2	Apex Laboratories Pvt Ltd	390,873.00	156,349.00
Protocol 3Nethra Royal Clinical Trial Study - Dr.Lavanya G Rao	4 Months	Forus Health Pvt Ltd	500,000.00	250,000.00
Novartis CSPP100F2301 - Dr.Padma Kumar	4	Novartis Healthcare Pvt Ltd	855,000.00	9,000.00

Protocol NANO/INN/SUP/001 - Dr Ranjan Shetty	2	Innvolution Med System, New Delhi	200,000.00	12,000.00
OSKIRA 1- D4300C00001 and OSKIRA –X- D4300C00005 - Dr. Janardhana Aithala	2	Quintiles Research (India) Pvt. Ltd	1,079,250.00	47,517.00
Protocol ID:KMC/MED/001/2013 - Dr.K L Bairy	2	Apex Laboratories Pvt Ltd	1,216,000.00	608,000.00
Protocol ID:KMC/MED/002/2013 - Dr.K L Bairy	2	Apex Laboratories Pvt Ltd	1,216,000.00	608,000.00
Protocol ID:RGH-MD-06 Study - Dr.P.S.V.N.Sharma		Quintiles Research (India) Pvt.Ltd.	400,000.00	22,146.00
Protocol No:SPRL/OA/09-10/001 STUDY - DR.Vivek Pandey	2	Manipal Acunova Ltd.	1,717,820.00	2,961.00
Sem Central Project - Dr Raviraj Acharya	5 months	Philips Electronics India Limited	200,000.00	100,000.00
Protocol 001/Burn study/2013 - Dr.K L Bairy	2	Apex Laboratories Pvt Ltd	294,340.00	147,170.00
Protocol No EFC11319 Study - Dr.Mukhyaprana Prabhu	5	Sanofi-Synthelabo(India) Ltd	3,50,000.00	50,000.00
Protocol NIS-CAP-XXX-2011/1:EPICOR ASIA Study - Dr.Tom Devasia	2	Max Neeman Medical International Ltd	250,000.00	11,000.00
Research Collaboration (Amendment on 9th July, 2013) - Dr.Raviraj Acharya	2	Intel Technology India Pvt Ltd	325000.00	1,46,068
Automated ECG Reporting Project - Dr Raviraj Acharya	4 months	Intel Technology India Pvt Limited	1,128,874.00	337,080.00
Protocol No:KMC/Zincoderm G/01/2013 - Dr.K L Bairy	1 Year 6 Month	Apex Laboratories Pvt Ltd	444,840.00	266,904.00
WSA-CS-008 - Dr Sudha Vidyasagar	7	Quintiles Reseach (India) Pvt Ltd	224,188.00	157,359.00
KMC/Nasal/02/2013 - Dr K L Bairy	2	Apex Laboratory Private Limited	330,000.00	165,000.00
Protocol:MICRO/03/12 - Dr Shashidhar	2	Apex Laboratories Private Limited	302,000.00	151,000.00
Protocol 01 /In vitro study/Pharmacology/2012	2	Apex Laboratories	428,400.00	214,200.00

- Dr K L Bairy		Private Limited		
Protocol 02/In vitro study/Pharmacology/2012 - Dr K L Bairy	2	Apex Laboratories Private Limited	220,200.00	110,100.00
KMC/Eye/02/2013 - Dr K L Bairy	2	Apex Laboratories Private Limited	354,400.00	177,200.00
KMC/Eye/01/2014 - Dr K L Bairy	2	Apex Laboratories Private Limited	302,400.00	302,400.00
Research Collaboration (Amendment on 09.07.2013) - Dr Raviraj Acharya	2	Intel Technology India Pvt Limited	365,170.00	73,034.00
Protocol No. ILO522D2301 - DR P S V N Sharma	1	Quintiles India Pvt Ltd, Bangalore	575,888.00	75,000.00
Protocol No.SPRL/OA/09-10/001 - Dr Vivek Pandey	2	Manipal Acunova Ltd, Bangalore	1,717,820.00	2,112.00
Protocol No. EX2211-3748 - Dr Sudha Vidyasagar	5	Novo Nordisk India Pvt Ltd	7,000,000.00	30,000.00
WSA-CS-004 ,WSA-CS-003 - Dr. Dipak Ranjan Nayak	7	Quintiles Research (India) Pvt. Ltd	2,540,000.00	150,020.00
ILO522D2301 - Dr. P.S. V.N. Sharma	2	Quintiles Research (India) Pvt. Ltd	800,000.00	227,190.00
NIS-CAP-XXX-2011/1:EPICOR ASIA - Dr Tom Devaisa	2	MAX Neeman Medical International Limited	250,000.00	14,500.00
EFC11319 - Dr Mukhyaprana Prabhu	5	Sanofi - Synthelab India ltd	350,000.00	3,398.00
Research Collaboration (Amendment 5th - Jan 2014) - Dr Raviraj Acharya	2	Intel Technology India Pvt Limited	438,204.00	73,034.00
Department of Public Health	1	Karnataka Jnana Ayoga,B' Lore	3,88,500	3,88,500
Department of Public Health	1	District Child Protection Unit, Udupi District.	2,00,000	1,50,000
Department of Public Health	1	University of Alabama	3,35,000	3,35,000

Department of Public Health	1	NIMHANS BANGALORE	1,90,000	1,90,000
PHD Students' Contribution to the Advancement of Knowledge: A Study of Teachers in Colleges and Universities of Karnataka State.	2 Years	ICSSR	4,32,688/-	70,437
Virology Department	2013-14	NCDC, ICMR, DBT, NVBDCP, DST, NIH- ITREOH, CDC, BRITISH COUNCIL DIVISION	1,71,21,598.00	1,71,21,598.00
Minor Projects				
Morphological changes in the testis and spermatozoa of rats treated with lamotrigine - Dr K Laxminarayana Bairy	2	Indian Council of Medical Research, New Delhi	84,000.00	63,000.00
Re-Survey of IDD (Iodine Deficiency Disorders) - Dr Veena G Kamath	2	Directorate of Health & Family Welfare Services, Bangalore	50,000.00	50,000.00
CAS study - Dr Rajgopal K V	6 mths	Philips Electronics India Limited	62,500.00	62,500.00
MRI Workflow Data Collection - Dr Rajgopal	18 days	Philips Electronics India Limited	16,854.00	16,854.00
Interdisciplinary Projects				
Industry sponsored	55 projects			
Projects sponsored by the University/ College				
Translational Virology Dr Arun Kumar	2 Years	MAHE University	10,00,000.00	10,00,000.00
Mendelian Genetics Dr. Girish K.M	2 Years	MAHE University	10,00,000.00	10,00,000.00
Fertility & Clinical Embryology Dr. Satish Kumar Adiga	2 Years	MAHE University	10,00,000.00	10,00,000.00
Inflammatory Bowel Diseases Dr. Ganesh Pai	2 Years	MAHE University	10,00,000.00	10,00,000.00
Students research projects <i>(other than compulsory by the University)</i>	19	ICMR - STS	1,90,000.00	1,90,000.00
Any other(Specify)				
Total				

3.7 No. of books published 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

Level	International	National	State	University	College
Number	1	11	-	-	-
Sponsoring agencies	-	-	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency m Management of University/College
Total

3.16 No. of patents received this year

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

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
59	5	29	11	5	1	8

3.18 No. of faculty from the Institution who are Ph. D. Guides
and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="10"/>		
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

- Adoption of school/Village by the social welfare committee
- Participating in Women and child health and social awareness programme
- Participation in national health programmes of the government
- Conducting camps at various places involving various departments of the hospital
- Conducting and participating in blood donation camps

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area (Acre)	140.3	-	-	140.3
Class rooms	96	-	-	96
Laboratories	17	-	-	17
Seminar Halls	23	-	-	23
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	490	45 4	SELF, CDC	535
Value of the equipment purchased during the year (Rs. in Lakhs)	5067.36	254.50 57.37	-	5321.86
Others	-	-	-	

4.2 Computerization of administration and library

Administration & Library is fully computerized.

4.3 Library services:

	Year	Existing		Newly added		Total	
		No.	Value (in Rupees)	No.	Value (in Rupees)	No.	Value (in Rupees)
Text Books & Reference Books	2013	4270	2,66,28,026=5	128	35,74,649=7	4399	3,02,02,676=3
	2014	5	7	9	6	4	3
e-Books	2014	-	-	-	-	150	5,86,654=00
Journals -print	2013	-	-	-	-	200	1,88,79,465=0 0
e-Journals		-	-	21	5,54,838=00	144	
Journals(Print+Online)		-	-	-	-	02	
Digital Database	2013	-	-	-	-	-	57,68,083=00
CD & Video	-	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Printers & scanners
Existing	689	1		1	1	-	-	132
Added	69	-		-	-	-	-	7
Total	758	1		1	1	-	-	139

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 laptop computers
- All the departments are provided with computers, LAN Internet and computer accessories
- Wi Fi internet is available throughout the campus
- Students are encouraged to make use of computers for Power Point Presentations of their seminars and projects
- Free internet facility for the staff in the library and in the department

4.6 Amount spent on maintenance in lakhs:

i) ICT	4.04
ii) Campus Infrastructure and facilities	573.26
iii) Equipments	80.21
iv) Others	-
Total:	657.51

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
- The institution publishes its updated prospectus and handbooks annually. The information content is disseminated to students at the beginning of every academic year.
- 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 wherever necessary

5.2 Efforts made by the institution for tracking the progression

- All the department maintain document, compare and discuss the performance and progress of the students in their exams and other academic activities.
- Every department maintains a register for recording the progress of students.
- Each student is allotted a mentor and the mentor maintain a mentoring booklet in which he/she updates details of academic performance and curricular progress. Mentors offer academic counselling to students, recommend them for remedial coaching, if necessary, and also meet/communicate with parents of their mentees to update them on their progress.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1328	662	15	-

(b) No. of students outside the state

1401

(c) No. of international students

298

Men	No	%	Women	No	%
	999	49.8		1006	50.2

No	%
1006	50.2

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General/ FOR/NRI	SC	ST	OBC	Physically Challenged	Total
-	-	-	-	-	-	1929	27	7	42	0	2005

Demand ratio 200:1 Dropout % - <1%

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

NA

No. of students beneficiaries

NA

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

- Student counseling is done by the teacher mentors and counselors of the institution
- Student counseling process is managed by the teacher guardian
- Student grievance is addressed by the Grievance cell
- Career guidance is through interactive session with the faculty

No. of students benefitted

1200

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
3	6	6	14

5.8 Details of gender sensitization programmes

University has a policy on grievance redressal mechanisms which has been made aware for the employees. 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

Financial support from institution

Type of scholarship	# Students	Scholarship Amount
AGE SCHOLARSHIP	14	125,400
FREESHIP/MCM SCHOALRSHIP	39	13,816,800
KONKANI SCHOLARSHIP	30	847,210
SAGES SCHOLARSHIP	11	4,073,375
STAFF CHILD/SPOUSE SCHOLARSHIP- Manipal Foundation	25	4,632,525
Total	119	23,495,310

Financial support from government

MHRD Scholarship	7	70,000
Scholarship for OBC Category	6	1,03,700
Scholarship for SC/ST Category	8	4,63,040
Minority Welfare Scholarship	3	90,000

Financial support from other sources

Sir Ratan Tata Trust	6	4,53,800
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Number of students who received International/ National recognitions	Number of students	Amount
-	-	-

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

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,

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

1. Twice a year Board of Studies meeting to upgrade curriculum, Examination pattern, Teaching methodology
2. Inclusion of Subject Expert in the BoS from other University
3. Inclusion of Student Representative
4. Separate Board of studies for Pre, Para and Clinical departments and for PG and Super specialty departments
5. Feedback from students

6.3.2 Teaching and Learning

- ICT enabled teaching, didactic lectures, discussions, seminars, quiz contests, Case Based Learning
- Academic calendar prepared and given to students and strictly adhered
- Course outline and syllabus given to students in the form of Hand Book/Soft copy

Most departments follow

- Objective Structured Practical Examination (OSPE)
- Objective Structured Clinical Examinations (OSCE)
- Objective and Descriptive type of Theory questions
- Problem solving type of questions
- Multiple choice questions
- Viva-voce examination

6.3.4 Research and Development

Students were also encouraged to take ICMR STS projects and exhibit their creativity. The institution also organizes regular sessions on research methodology, seminars, conferences, workshops, poster and model presentations.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Modern Health Sciences library caters to the need of the students and staff. All the class rooms and seminar rooms are equipped with ICT. Adequate physical infrastructure / instrumentation available for the students and staff

6.3.6 Human Resource Management

Faculty are encouraged to take part in academic events/activities/conferences etc and University has provided monetary incentives for the same. Faculty are encouraged to subscribe to the professional bodies to update their knowledge. Medical Education Unit of the Institution provides regular training to deliver effective teaching and learning for the students. 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

6.3.9 Admission of Students

Students are admitted by all India level entrance exams on merit basis. The admission is on merit as per rank obtained in the MAHE CET and PG CET. Students who have obtained ranks in Karnataka CET and PG CET are also given admission. Superspecialty and PhD students are admitted based on their performance in qualifying exam, entrance exam and interview.

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 etc
Non teaching	ESI, Medicare, GTLI, school fee reimbursement, fee concessions, membership to the library, PF & gratuity etc
Students	Medicare facilities, Anti-ragging committee, Counselling, Felicitation of students for co-curricular and academic activities, Support for attending conferences,

6.5 Total corpus fund generated

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	Yes	TUV Reinland	Yes	IQAC
Administrative	-	-	Yes	IQAC

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?

Each paper has double evaluations one by an internal and one by an external examiner. If there is a discrepancy of 15% in the marks, third valuation is performed. Students also are allowed to see their papers. There is very strict policy and standard operating procedures conduct of theory and practical exams.

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

University promotes autonomy by allowing management of academic programmes.

6.11 Activities and support from the Alumni Association

Annual alumni meeting is held
Alumni meets are conducted at the department level periodically
Alumni visit departments and deliver guest talks

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

6.13 Development programmes for support staff

Communication and Soft skills training
Awareness programme on quality initiatives
Training cards and regular training of technicians and technical assistants

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

Institution is 14001:2004 certified with objectives of reducing paper consumption, water consumption and power consumption and Bio waste management as per the norms and prescribed guidelines and waste water treatment
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.

Student and staff feedback system
Quality indicators are defined related to academic, research and environmental parameters

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

Setting benchmark indices for assessment of quality indicators
Benchmarks are set and Faculty were sensitized regarding the quality indicators.
Student Information System (SIS) was introduced

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

Student Information system
Performance Management System

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

7.4 Contribution to environmental awareness / protection

Institution is 14001:2004 certified with objectives of reducing paper consumption, water consumption and power consumption and Bio waste management. Awareness programmes are conducted for staff and student about environmental protection.

7.5 Whether environmental audit was conducted? Yes No

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

8. Plans of instcomputation for next year

Restructuring the curriculum
Introduce Case based learning and small group teaching

Name Dr Prashantha Bhagavath

Name Dr Pradeep Kumar G

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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
