

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)

2014-15

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

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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 Poornima Baliga B

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	-	UGC-CE	-
UGC-Special Assistance Programme	-	DST-FIST	-
UGC-Innovative PG programmes	-	Any other (<i>Specify</i>)	-
UGC-COP Programmes	-		

2. IQAC Composition and Activities

2.1 No. of Teachers	6
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	1
2.6 No. of any other stakeholder and community representatives	1
2.7 No. of Employers/ Industrialists	0
2.8 No. of other External Experts	0
2.9 Total No. of members	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

MCI recognised Basic Medical Education workshop
 Investigators Training
 Pharmacoeconomics
 Medical Audit

2.14 Significant Activities and contributions made by IQAC

- The IQAC has conducted annual department audits analyzing the strengths and weakness of the departments and providing suggestions on areas of improvement for the individual departments.
- Sensitization of all staff/ Holding 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 *

Following quality objectives were defined. Data pertaining to 2014 was considered as baseline for 2015

Objectives:

A. Quality Objectives:

Excellence in education, health care and research leading to a place in the top 10 Medical Colleges in India.

I. Enhancing Academic Reputation:

1. Quality of intake

Student Ratio UG: PG: PhD benchmarked with top 10 Medical Colleges in India.

2. Academic

- a) Declaration of results on time (Within a month of conduct of exams)
- b) Conduct of exams as per academic calendar.
- c) Student attrition rate (Reduce as compared to previous benchmark)
- d) Enhance Student Progression
 - i. Percentage of eligible students progressing to higher levels.(improve compared to previous benchmark)
 - ii. Percentage of eligible Students placed. (5 % increase every year over the previous 3 years average)
- e) Number of students involved in social responsibility projects and extension activities (improve on previous benchmark)
- f) Graduation rate (% of students completing the programme on time, target can be 1% better than average of previous three batches)
- g) Introduction of new programmes (at least 20 new programmes compared to previous year)

3. Service delivery Process:

- a) Student feedback of faculty (Minimum of 3 on a scale of 5)
- b) Student feedback on infrastructure (Minimum of 3 on a scale of 5)
- c) Student feedback on academic program (minimum of 3 on a scale of 5)
- d) Faculty student ratio as per statutory and regulatory requirements

II. Enhancing Research Output :

- a) Number of papers presented in National and International conferences per faculty **(At least two)**
- b) Number of publications in National and International, Indexed journals with impact factor per faculty (indexed by Scopus) (Minimum 5% increase every year)
- c) Enhance Quality of Publication
 - i) Increase in Average Journal Impact factor by 0.2 every year.
 - ii) Increase in Average H index by 2.0 per author every year.
- d) Amount of research grants received (5% increase every year)
- e) Number of patents applied for (at least one patent more than the previous year)
- f) Number of Ph D registrations (at least 5% increase every year)

III. Increasing focus on Internationalisation

- a) Number of International students in UG and PG programmes (**1 % increase**)
- b) Number of incoming and outgoing exchange students in UG and PG programmes (includes IAESTE, AIESEC, Study Abroad programmes, interns etc.) **(3 % increase)**
- c) Number of Collaborations with Foreign Universities (At least 10 per year)
- d) Number of International faculty **as ad hoc faculty** (Increase by at least two per year)
- e) Transnational mobility of faculty (at least 10 per year)

IV. Enhancing Employer Reputation

- a) Number of companies participated in campus placements (5 % more than previous year)
- b) Percentage of Alumni Registered with University (from existing 8.3%to 50% by end of 2015)
- c) Number of Industry Collaborations (At least 5 per year)
- d) Organising Alumni reunions(At least one by all institutions by end of 2015)

V. Training

- a) Ensure continual enhancement of knowledge/skills of teaching faculty (**Attend the MCI approved Basic Medical Education programme conducted by the Medical Education Unit, KMC Manipal as per MCI requirement and a minimum of 10 hours of discipline/speciality based training every year.**)
- b) Ensure continual enhancement of knowledge/skills of non-teaching staff (To be provided with at least 2 hours of training every year).

Awareness was given to all the department and faculty to achieve the target

** 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* Alumni Parents Employers Students
(On all aspects)

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.

Incorporating soft skills, gender sensitivity, medico-legal and ethical issues in the curriculum
 Incorporating environmental studies module
 A curriculum book with exact topics and syllabus to be given in the beginning at the time of admission.
 Need for periodic Assessment and mock examination

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

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Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
406	113	103	110	80

2.2 No. of permanent faculty with Ph.D.

27

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
15	23	01	13	05	11	58	39	79	86

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	27	-
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	152	276	-
Presented papers	133	252	-
Resource Persons	-	-	-

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

Small group teaching was emphasized. Various small group teaching methods like seminar, tutorial, case based learning, problem based learning and team based learning was introduced.

302

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

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

Onscreen marking system was introduced

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

62

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, 2014(MD/MS)	Total Number of students passed	Distinction%	I %	II %	III %	Pass %
1	MD(Anatomy)*	1	1	0	0	0	0	0
2	MD(Pathology)*	1	1					
3	MD(Physiology)*	1	1					
4	MD(Radiotherapy)*	1	1					
5	MS(Obstetrics & Gynaecology)*	2	2					
6	MS(Orthopaedics)	1	0					
		April, 2015(MD/MS)		Distinction%	I %	II %	III %	Pass %
1	MD(Biochemistry)*	3	3					
2	MD(Community Medicine)*	2	2					
3	MD(Forensic Medicine)*	3	3					
4	MD(Anaesthesiology)*	6	6					
5	MD(General Medicine)*	18	16					
6	MD(Microbiology)*	2	2					
7	MD(Anatomy)*	4	4					
8	MD(Paediatrics)*	11	7					
9	MD(Pathology)*	8	6					
10	MD(Pharmacology)	6	6					
11	MD(Physiology)*	3	3					

12	MD(Psychiatry)*	3	3					
13	MD(Radiodiagnosis)	5	5					
14	MD(Radiotherapy)	2	2					
15	MD(Dermatology, Venereology & Leprosy)	1	1					
16	MD(Hospital Administration)	3	3					
17	MD(Pulmonary Medicine)	2	2					
18	MD(Immunohaematology & Blood Transfusion)	2	2					
19	MS(Obstetrics & Gynaecology)*	6	6					
20	MS(Oto-Rhino-Laryngology)*	2	2					
21	MS(General Surgery)*	7	7					
22	MS(Ophthalmology)	4	4					
23	MS(Orthopaedics)	10	7					
		April, 2015(DIPLOMA)		Distinction%	I %	II %	III %	Pass %
1	D.C.P.(Clinical Pathology)	5	3	0	1	2	0	0
2	D.L.O.(Oto-Rhino-Laryngology)	1	1	0	0	1	0	0
3	D.C.H.(Paediatrics)	2	2	0	0	2	0	0
4	D.P.M.(Psychiatry)	5	5	0	0	5	0	0
5	D.M.R.D.(Radiodiagnosis)	2	0	0	0	0	0	0
6	D.D.V.L.	2	2	0	0	2	0	0
7	D.A.(Anaesthesiology)	4	4	0	2	2	0	0
8	D.G.O.(Obstetrics & Gynaecology)	5	5	0	1	4	0	0
9	D.Ortho(Orthopaedics)	4	3	0	0	3	0	0
10	DO(Ophthalmology)	1	1	0	0	1	0	0
Sl.No	Title of the Programme	Total Number of students appeared February, 2015(M.Sc)	Total Number of students passed	Distinction%	I %	II %	III %	Pass %
1	M.Sc(Medical)Anatomy	3	0	0	0	0	0	0
2	M.Sc(Medical) Biochemistry	1	0	0	0	0	0	0
3	M.Sc(Medical)Microbiology	4	2	0	0	0	0	2
4	M.Sc(Medical)Pharmacology	1	1	0	0	0	0	1
		July, 2015(M.Sc)						
1	M.Sc(Medical)Anatomy	3	1	1	0	0	0	0
2	M.Sc(Medical)Biochemistry	9	6	0	3	3	0	0
3	M.Sc(Medical)Microbiology	12	9	0	0	9	0	0

4	M.Sc(Medical)Pharmacology	3	3	0	0	3	0	0
		July, 2015						
1	M.Sc(yogatherapy)	3	3	0	1	2	0	0
1		July, 2015						
	M.Sc(Clinical Embryology)	6	6	0	3	3	0	0
		July, 2015						
1	M.Phil(Psychiatric Socila Work)	2	2	0	0	0	0	2
		February, 2015						
1	Panchakarma	8	8	1	4	3	0	0
		August, 2015						
1	Panchakarma	4	4	0	4	0	0	0
		December, 2014						
1	M.Ch(Cardiothoracic Surgery)	1	1					
		July, 2015						
1	D.M.(Nephrology)	2	2					
2	D.M.(Cardiology)	2	2					
3	D.M.(Neurology)	2	2					
4	D.M.(Gastroenterology)	1	1					
5	M.Ch(Urology)	2	2					
6	M.Ch(Neuro Surgery)	2	2					
7	M.Ch(Paediatric Surgery)	1	1					
8	M.Ch(Cardivascular & Thoracic Surgery)	1	1					
1	Advanced Training in clinical genetics	1	1					

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	24
UGC – Faculty Improvement Programme	-
HRD programmes	14
Orientation programmes	33
Faculty exchange programme	-
Staff training conducted by the university	88
Staff training conducted by other institutions	27
Summer / Winter schools, Workshops, etc.	84
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	141	04	03	01
Technical Staff	124	10	07	03

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	40+3+0+0	30+1+4+8	72+0+1+0	0+1+5+0
Outlay in Rs. Lakhs (KMC)	89,91,948	145,32,949	85,467,501	-
Public health	3639829	-	-	-
Statistics	-	54,63,638	20,06,840	92,36,289
Virus Research	-	384,69,000	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4+1+0+0	1+0+1+0	4+0+1+0	1+0+1+0
Outlay in Rs. Lakhs (KMC)	103076	-	103076.00	-
Public health	5000	-	-	-
Statistics	-	4,50,000	16,60,428	27,69,540
Virus Research	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	640	205	-
Non-Peer Review Journals	-	-	-
e-Journals	3	-	-
Conference proceedings	-	-	-

3.5 Details on Impact factor of publications:

Range	0.1-16.7	Average	2.36	h-index	4	Nos. in SCOPUS	380
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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. – Kiran Chawla	3	Indian Council of Medical Research, New Delhi	3,832,956.00	7,06,421
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
Understanding the Epidemiology of Antimalarial Drug Resistance in Plasmodium Vivax and Elucidation of Resistance Deterministic Host Factors For Antimalarial Drugs – Dr.KavithaSaravu	3	Indian Council of Medical Research, New Delhi	5,212,134.00	1,249,030.00
Optimizing non invasive markers for embryo selection-Dr Satish Kumar Adiga (Fellowship - Ms Fiona Olivitta D'souza)	3	Indian Council of Medical Research, New Delhi	393,333.00	177,000.00
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	533,427.00
Prevalence of Maternal Genito-Urinary and Periodontal Infections and Associated Risk For Adverse Pregnancy Outcome-A Case Cohort Study-	4	Indian Council of Medical Research, New Delhi	1,884,004.00	149,054.00

Dr K E Vandana				
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	543,186.00
A randomized cross over double blind pilot clinical trial comprising the glyceemic index of coconut sap and cocount sugar in healthy human subjects-Dr K L Bairy	6 mths	Central Plantation Crops Research Institute	348,000.00	348,000.00
Strenthening the existing Monitoring and supervision Mechanism for ICDS scheme through NIPCCD-Dr Pawan Kumar	5	National Institute of Public Cooperation and Child development	459,938.00	25,117.00
CAS Study project- Dr Rajagopal KV, KMC, Manipal	1	Philips Electronics India Ltd	325,844.00	162922.00
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	1,473,447.00	1473447.00
Value of fetal autopsy and establishment of normal fetal radiologic anatomy-Dr K M Girisha	3	Indian Council of Medical Research, New Delhi	1,333,385.00	34,370.00
The Impact of sperm DNA damage on Genomic instability and survival strategies in Embryonic stem cells-Dr Satish Kumar Adiga	3	Government of India, Ministry of Science & Technology, Department of Science & Technology,	3,316,940.00	316,940.00

		NewDelhi		
Differences in T lymphocyte apoptosis in the granulomatous inflammation in intestinal tuberculosis and Crohn's disease - implications to diagnosis and pathogenesis-Dr C Ganesh Pai	3	Science and Engineering Research Board, New Delhi	5,148,000.00	800,000.00
Molecular Analysis of filamin b related disorders- Dr K M Girisha (Award of Sr. Research Fellowship to Mr Abdul Mueed Bidchol)	3	Indian Council of Medical Research, New Delhi	268,400.00	134,200.00
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 gemete 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	275,880.00
Repeated superovulation induced changes in the oocytes, embryos and somatic cells-Dr Guruprasad Kalthur	3	Science & Engineering Research Board (SERB)	2,214,400.00	700,000.00
A clinico microbiological environmental and	3	Indian Council of Medical		

molecular approach to explore the epidemiology of neglected disease Meliodosis-Dr Chiranjay Mukhopadhyay		Research, New Delhi	1,549,000.00	624666.00
Evaluation of multiple ligation dependent probe amplification (MLPA) for diagnosis and carrier detection in families with a dystrophinopathy-Dr Girisha K M	3	Science and Engineering Research Board, New Delhi	2,100,000.00	700,000.00
A community based prospective study to evaluate the efficacy of second dose of measles vaccination under the Universal Immunization Program in costal Karnataka-Dr Pawan Kumar	2	Indian Council of Medical Research, New Delhi	245,570.00	107,743.00
Effect of assisted hatching on developmental potencial of the embryo etc-Dr Satish Kumar Adiga (Fellowship - Mr Sachin Honguntikar)	3	Indian Council of Medical Research, New Delhi	708,000.00	136,356.00
Multicentric Collaborative study of the Clinical Biochemical and Molecular Characterization by Lysosomal Storage Disorders in India - The initiative for research in LSD-Dr Girish K M	3	Indian Council of Medical Research, New Delhi	2,343,200.00	379,680.00
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	3,476,511.00	497,627.00

Fertility preservation using Moringa oleifera/Leaf extract in Mice Treated with Chemotherapeutic Agents and its Nechanism of Action-Dr Guruprasad Kalthur	3	Indian Council of Medical Research, New Delhi	1,801,012.00	587,681.00
Behavioural biochemical and histopathological analysis of the effects of antiotensin converting enzyme (ACE) inhibitors and angiotensin receptor blockers (ARBS) on learning and memory in male wister rats-Dr Veena Nayak	3	Indian Council of Medical Research, New Delhi	1,587,995.00	510,074.00
Financial Assistance for attending 64th Annual Meeting of the American Society of Human Genetics held during 18.10.2014 to 22.10.2014 in California (USA)-Dr Anju Shukla	Not Mentioned	Science and Engineering Research Board (SERB)	117,554.00	117,554.00
Financial Assistance for participating in Oncofertility Conf. 2014 held from 22.09.2014 to 23.09.2014 in North Western University (USA)- Ms Shunbhashree Uppangala	Not Mentioned	Science and Engineering Research Board (SERB)	108,386.00	108,386.00
Research Collaboration (Amendment 5th - Feb 2014)-Dr Raviraj Acharya	2	Intel Technology India Pvt Limited	438,204.00	73,034.00
CSPP100F2301- Dr Padma Kumar	4	Novartis Healthcare Pvt Ltd	855,000.00	45000,00

PROTOCOL/01/SKIN IRRITANCY/2014 - DR K L BAIRY	1	Apex Laboratories Private Limited	264,000.00	132,000.00
PROTOCOL NO.KMC/EYE/02/2013 - DR K L BAIRY	1 1/2	Apex Laboratories Private Limited	354,400.00	177,200.00
PROTOCOL 001/BURN STUDY/2013 - DR K L BAIRY	2	Apex Laboratories Private Limited	294,340.00	147,170.00
KMC/NASAL/02/2013 -Dr K L Bairy	1 1/2	Apex Laboratories Private Limited	330,000.00	165,000.00
PROTOCOL/01/BURN WOUNDING HEALING STUDY/14-DR K L BAIRY	2	Apex Laboratories Private Limited	294,340.00	147,170.00
ILO522D2301- Dr P S V N Sharma	2	Quintiles Research (India) Pvt Ltd	800,000.00	90001.00
SPRL/OA/09-10/001- Dr Vivek Pandey	2	Manipal Acunova Ltd, Bangalore	1,717,820.00	155624.00
CACZ885M2301-Dr Tom Devasia	4	Novartis Healthcare Pvt Ltd	1,658,600.00	197900.00
Research Collaboration (Amendment 5th - March 2014)	2	Intel Technology India Pvt Limited	438,204.00	73,034.00
Research Collaboration (Amendment 5th - April 2014)-Dr Raviraj Acharya	2	Intel Technology India Pvt Limited	438,204.00	73,034.00
Research Collaboration (Amendment 5th - May 2014)-Dr Raviraj Acharya	2	Intel Technology India Pvt Limited	438,204.00	73,034.00

KMC/PHA/ZINCOVIT SYRUP 001/2013- Dr K L Bairy	1,1.5	Apex Laboratories Private Limited	544,200.00	217,680.00
KMC/PHA/ZINCOVIT SYRUP 002/2013-Dr K L Bairy	1,1.5	Apex Laboratories Private Limited	482,400.00	192,960.00
KMC/PHA/ZINCOVIT SYRUP 003/2013-Dr K L Bairy	1,1.5	Apex Laboratories Private Limited	433,200.00	173,280.00
KMC/PHA/ZINCOVIT SYRUP 004/2013- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	620,400.00	248,160.00
KMC/PHA/ZINCOVIT DROPS 005/2013- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	544,200.00	217,680.00
KMC/PHA/ZINCOVIT DROPS 006/2013- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	482,400.00	192,960.00
KMC/PHA/ZINCOVIT DROPS 007/2013- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	433,200.00	173,280.00
KMC/PHA/ZINCOVIT DROPS 008/2013- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	620,400.00	248,160.00
KMC/ZVT/01/2014- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	429,960.00	257,976.00
KMC/ZVT/02/2014- Dr K L Bairy	1 1.5	Apex Laboratories Private Limited	429,960.00	257,976.00
NIS-CAP-XXX-2011/1- EPICOR ASIA-Dr Tom Devasia	2	Max neeman Medical International Limited	250,000.00	19,000.00
EX2211-3748-Dr Sudha	5	Novo Nordisk		190,774.00

Vidyasagar		India Pvt Ltd	7,000,000.00	
BRV07-Dr Avinash Shetty	2	Shantha Biotechnics Limited	1,906,000.00	476500.00
Research Collaboration (Amendment 5th - June 2014)-Dr Raviraj Acharya	2	Intel Technology India Pvt Limited	438,204.00	73,034.00
Research Collaboration (Amendment 6th - July 2014)-Dr Raviraj Acharya	6 Month	Intel Technology India Pvt Limited	438,204.00	73,034.00
KMC/Zincoderm G/01/2013-Dr K L Bairy	1 year 6 mnth	Apex Laboratories Private Limited	521,400.00	208,560.00
KMC/Zincoderm GM/02/2013 Dr K L Bairy	1 year 6	Apex Laboratories Private Limited	444,840.00	177,936.00
Rota :03/12- Dr Veena Kamath	2	Serm Institute of India Ltd	200,000.00	200,000.00
Research Collaboration (Amendment 6th - Aug 2014)- Dr Raviraj Acharya	6mnth	Intel Technology India Pvt Limited	438,204.00	73,034.00
Research Collaboration (Amendment 6th - Sep 2014)-Dr Raviraj Acharya	6 months	Intel Technology India Pvt Limited	438,204.00	73,034.00
3 Nethra Royal Clinical trial-Dr Lavanya G Rao	4 months	Forus Health Pvt Ltd	700,000.00	250,000.00
Research Collaboration (Amendment 6th - Oct 2014)-Dr Raviraj Acharya	6 months	Intel Technology India Pvt Limited	438,204.00	73,034.00
Research Collaboration (Amendment 6th - Nov	6 months	Intel Technology India Pvt	438,204.00	73,034.00

2014)- Dr Raviraj Acharya		Limited		
Registry Study-Dr Sudha Vidyasagar	Until completion of the Registry	St John National Academy of Health Science, Bangalore	150,000.00	150,000.00
Research Collaboration (Amendment 6th - Dec 2014)- Dr Raviraj Acharya	6 months	Intel Technology India Pvt Limited	438,204.00	73,034.00
KMC/Ageless Liquid/01/2014- Dr K L Bairy	1 1/5	Apex laboratories Pvt Ltd	680,400.00	408,240.00
KMC/Ageless Liquid/03/2015- Dr K L Bairy	1 1/5	Apex laboratories Pvt Ltd	752,400.00	451,440.00
CSPP1002301- Dr Padma Kumar	4	Novartis Healthcare Pvt Ltd	855,000.00	9,000.00
EX2211-3748- Dr Sudha Vidyasagar	5	Dr Sudha Vidyasagar	7,000,000.00	14,188.00
SRPL/OA/09-10/001- Dr Vivek Pandey	2	Manipal Acunova	1,717,820.00	89,523.00
Research Collaboration (Amendment 7th - Jan 2015)- Dr Raviraj Acharya	3 month	Intel Technology India Pvt Limited	219,102.00	73,034.00
Research Collaboration (Amendment 7th - Feb 2015)-Dr Raviraj Acharya	3 month	Intel Technology India Pvt Limited	219,102.00	73,034.00
Public Health	September 2014till	UNICEF		

	December 2015		23,67,899	18,94,149
Public Health	2015	PIPPSE/PHFI	11,52,950	08,07,065
Public Health	2015	PIPPSE/PHFI	13,40,879	09,38,615
PHD Students' Contribution to the Advancement of Knowledge: A Study of Teachers in Colleges and Universities of Karnataka State. (Statistics)	2 Years	ICSSR	4,32,688	1,00,625
Promoting Research – Perception and Practices in educational institutions of India – A Cross Sectional Study (Resubmitted on 25th July,2014) (Statistics)	3 Years	DST	20,06,840	10,00,000
Women Employees of higher education in Karnataka: Struggles & Successes (Statistics)	2 Years	ICSSR	9,30,950	Nil
BARC-Evaluation of Nuclear Data Including covariance error Matrix for advanced Nuclear System in India (Statistics)	3 Years	BARC	22,00,000	8,60,550
Generalized inverse of matrix & its applications (Statistics)	3 Years	DST	19,00,000	6,00,000
Major projects (Virology)	2014-15	NCDC, ICMR, DBT, NVBDCP, DST, NIH-ITREOH, CDC, BRITISH COUNCIL DIVISION	3,84,69,261.00	3,84,69,261.00

Minor Projects	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
NC25608-	6 months	Quintiles Research (India)	25,556.00	25,556.00

Dr Sudha Vidyasagar		Pvt Ltd		
Case Report preparation-Dr K L Bairy	Not Mentioned	Boehringer Ingelheim India Pvt Ltd	61,000.00	61,000.00
CQVA149A318- Dr Aswini Kumar Mohapatra	1	Novartis Healthcare Pvt Ltd	16,520.00	1,520.00
	2015	APSA Bangalore	5,000	5,000
Fortification of staple foods with vitamin A for preventing vitamin A deficiency”	6 Months	WHO	4,50,000	1,48,862

Interdisciplinary Projects				
Industry sponsored	50			
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
Laboratory Quality Management Dr Pragna Rao	2 Years	MAHE University	10,00,000.00	10,00,000.00
Prediabetes Dr Sudha Vidyasagar	2 Years	MAHE University	10,00,000.00	10,00,000.00

Students research projects <i>(other than compulsory by the University)</i>	10	ICMR	1,00,000	-
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	0	4	-	-	-
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 From 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
39	3	18	13	3	0	2

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 College forum

NCC NSS Any other

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

- 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	140.3 Acre	-	-	140.3 Acre
Class rooms	96	-	-	96
Laboratories	17	-	-	17
Seminar Halls	23	-	-	23
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	535	59 3	SELF, CDC	594
Value of the equipment purchased during the year (Rs. in Lakhs)	5375.84	607.83 38.45		5983.67
Others				

4.2 Computerization of administration and library

Administration & Library is fully computerized.

4.3 Library services:

	Year	Existing		Newly added		Total	
		No.	Value	No.	Value (in Rupees)	No.	Value (in Rupees)
Text Books & Reference Books	2014-2015	4399 4	3,02,02,676=3 3	96 8	32,90,106=2 4	4496 2	3,34,92,782=5 7
	e-Books	2015	-	-	-	150	4,13,400=00
Journals- print	2014	-	-	2	93,199=00	174	2,20,22,449=0 0
e-Journals		-	-	3		153	
Journals(Print+Online)		-	-	1		3	
Digital Database	2014	-	-	-	-	-	61,81,893=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	758	1		1	1	-	-	139
Added	82	-		-	-	-	-	19
Total	840	1		1	1	-	-	148

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
- 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	41.10
ii) Campus Infrastructure and facilities	749.26
iii) Equipments	104.62
iv) Others	-
Total :	894.98

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 displayed 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
1344	678	16	-

(b) No. of students outside the state

1313

(c) No. of international students

333

Men	No	%	Women	No	%
	1017	49.9		1021	50.1

Last Year						This Year					
General/F OR/NRI	SC	ST	OBC	Physically Challenged	Total	General/F OR/NRI	SC	ST	OBC	Physically Challenged	Total
1929	27	7	42	0	2005	1956	24	9	49	0	2038

Demand ratio 200:1

Dropout % < 1 %

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

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	2	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	1

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
9	33	28	13

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

107

National level

123

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	10	90,825
FREESHIP/MCM SCHOLARSHIP	39	1,36,15,000
KONKANI SCHOLARSHIP	27	7,16,885
SAGES	20	72,29,875
KUNDAPUR MOHAN & LATA BHANDARKAR SCHOLARSHIP	1	25,000
STAFF CHILD/SPOUSE SCHOLARSHIP- Manipal Foundation	21	44,77,675
Total	118	2,61,55,260

Financial support from government

MHRD Scholarship	16	1,60,000
Scholarship for OBC Category	6	93,800
Scholarship for SC/ST Category	9	5,28,000
Minority Welfare Scholarship	1	30,000

Financial support from other sources

Sir Ratan Tata Trust	5	1,92,400
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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 needs 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.

Onscreen marking of answer script was introduced.

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

Institutional and departmental objectives were defined.
2014 data will be taken as a baseline for target achievement in 2015

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 institution for next year

Restructuring of the Mentorship programme

Name Dr Prashantha Bhagavath

Name Dr Poornima Baliga B

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____

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
