50-Point Core / Desirable Indicators

Submitted to

National Assessment and Accreditation Council
Bangalore

BY

MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL – 576104

KARNATAKA, INDIA

February 2016

National Assessment and Accreditation Council (NAAC)
An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore – 560 072

Manipal Academy of Higher Education
Manipal, Karnataka

To enhance rigour and objectivity to the assessment and accreditation process, the University is requested to upload and submit the following information to NAAC.

Sl.no	A. Core Indicators	
1	Percentage of courses where major syllabus restructuring was carried out during last 3 years	2012 – 14 2013 – 17 2014 – 25
2	Temporal Plan in more than 50% of programmes (CBCS/ Semester/ Annual)	Annual system – 84 per cent programs in Health Sciences Semester system – 16 per cent programs in Health Sciences. 100 per cent programs in Engineering and other non-Health Sciences programs except MBA Trimester system – MBA programs
3	Percentage of teachers with Ph.D. qualification General Courses Professional courses (For ex.MD/ DM for medicine and ME/MS for engineering) **(As on Dec. 31st , 2014)**	40.38 91.15
4	Student computer ratio - **(As on Dec. 31st , 2014)**	Laptops are provided for the students of Engineering, Medical, Architecture, Management (PG), Dental programmes at the time of admission. Therefore the Ratio is **1:1** in these courses.

<table>
<tr><td></td><td></td><td>Overall ratio considering all the programmes offered by the university is about 1: 2</td></tr>
<tr><td>5</td><td>The number of departments with UGC/SAP/CAS/DST/FIST etc., in university - (As on Dec. 31st , 2014)</td><td>74</td></tr>
<tr><td>6</td><td>Number of Post Doctoral Fellows/ Research associates working a) Locals b) outsiders
(As on Dec. 31st, 2014)</td><td>a) 42
b) 30</td></tr>
<tr><td>7</td><td>Number of ongoing research projects /per teacher
(As on December 31st 2014)</td><td>0.12 (Total of 276 Projects are Ongoing)</td></tr>
<tr><td>8</td><td>Number of completed research projects/per teacher (Funded by National/International Agencies)
(From 01/01/2012 to 31/12/2014)</td><td>0.06 (Total of 136 Projects are Completed)</td></tr>
<tr><td>9</td><td>Coordinated/ Collaborative projects (National and International)
-(from 01/01/2010 to 31/12/2014)</td><td>National: 51
International : 55</td></tr>
<tr><td>10</td><td>National recognitions for faculty for Teaching / Research / Consultancy / Extension (Reputed/recognised bodies)
(From 01/01/2014 to 31/12/2014)</td><td>For details constituent unit wise please refer Annexure I</td></tr>
<tr><td>11</td><td>Number of Patents (last 5 years)</td><td>
<table>
<tr><td></td><td colspan="2">Filed</td><td colspan="2">Granted</td></tr>
<tr><td>Year</td><td>Indian</td><td>US</td><td>Indian</td><td>US</td></tr>
<tr><td>2010</td><td>9</td><td>-</td><td>1</td><td>-</td></tr>
<tr><td>2011</td><td>3</td><td>-</td><td></td><td>-</td></tr>
<tr><td>2012</td><td>2</td><td>-</td><td>1</td><td>-</td></tr>
<tr><td>2013</td><td>2</td><td>-</td><td>1</td><td>-</td></tr>
<tr><td>2014</td><td>3</td><td>-</td><td>3</td><td>-</td></tr>
<tr><td>Total</td><td>19</td><td>21</td><td>6</td><td>10</td></tr>
</table>
</td></tr>
<tr><td>12</td><td>Output of M. Phil & Ph. D per faculty</td><td>Output of Ph. Ds for eligible Ph. D guide wise :
<table>
<tr><td>Year</td><td>No. of Guides</td><td>No. of Ph. Ds awarded</td></tr>
<tr><td>2012</td><td>46</td><td>52</td></tr>
<tr><td>2013</td><td>51</td><td>66</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>2014</td><td>74</td><td>90</td></tr>
</table>

Output of M. Phils for eligible M. Phil guide wise :
<table>
<tr><td>Year</td><td>No. of Guides</td><td>No. of M. Phil awarded</td></tr>
<tr><td>2012</td><td>12</td><td>18</td></tr>
<tr><td>2013</td><td>6</td><td>10</td></tr>
<tr><td>2014</td><td>12</td><td>16</td></tr>
</table>

(Ph. D / M. Phil Guide wise details is in Annexure II)
</td></tr>
<tr><td>13</td><td>Revenue generated from consultancy per year</td><td>2012-13: Rs 277.01 Lakhs
2013-14: Rs 432.37 Lakhs
2014-15: RS 473.94 Lakhs</td></tr>
<tr><td>14</td><td>Number of MoUs with International recognized bodies - As on December 31st 2014</td><td>151</td></tr>
<tr><td>15 (a)</td><td>- Publications per faculty
- Total number of publications of the university:
- As on December 31st 2014</td><td>1.02
2440</td></tr>
<tr><td>15 (b)</td><td>Percentage of papers published in journals listed in well known international databases
As on December 31st 2014</td><td>60.33</td></tr>
<tr><td>16</td><td>Average impact factor of publications
- As on December 31st 2014</td><td>0.37</td></tr>
<tr><td>17</td><td>Number of papers with more than 10 citations
- As on December 31st 2014</td><td>1342</td></tr>
<tr><td>18</td><td>Number of book titles per student (in the central library) excluding book bank
- As on December 31st 2014</td><td>7 titles/student</td></tr>
</table>

<table>
<tr><td>19</td><td>Percentage of annual allocation for library spent on purchase of journals (national & international) and other library resources (CDs, Cassettes, etc.)</td><td><table><tr><td>2012</td><td>0.85</td></tr><tr><td>2013</td><td>0.87</td></tr><tr><td>2014</td><td>0.98</td></tr></table></td></tr>
<tr><td>20</td><td>Number of national/international conferences /workshops organised per department per year and names of experts participated</td><td>Please refer Annexure III for details constituent unit wise</td></tr>
<tr><td>21</td><td>Student performance in national/international level examinations
(eg: ET/SLET/GATE/GMAT/CAT, GRE/TOFEL, Civil Services)</td><td>2008 to 2014<table><tr><td>Exam</td><td>Number of Students</td></tr><tr><td>Defense Services</td><td>3</td></tr><tr><td>NET/SET</td><td>15</td></tr><tr><td>GATE</td><td>163</td></tr><tr><td>TOEFL</td><td>107</td></tr><tr><td>GRE</td><td>97</td></tr><tr><td>IELTS</td><td>22</td></tr><tr><td>CAT</td><td>44</td></tr><tr><td>MAT</td><td>8</td></tr><tr><td>JRF</td><td>4</td></tr><tr><td>AIPGDET</td><td>6</td></tr><tr><td>KCET</td><td>1</td></tr><tr><td>CDS</td><td>1</td></tr><tr><td>GPATE</td><td>200</td></tr><tr><td>Total</td><td>671</td></tr></table></td></tr>
<tr><td>22</td><td>Student Teacher Ratio(average across all disciplines)</td><td>10:1</td></tr>
<tr><td>23</td><td>University has the following. i)IQAC ii)Accreditation by national body iii)International accreditation/ISO certification iv)AAA</td><td>i) IQAC was formalised from June 3, 2013
ii) NABH, NABL, AAHRP accreditations for hospitals / labs
iii) MAHE is certified for ISO 9001:2008 (Quality Management System) and 14001: 2004 (Environmental Management System) by M/s TUV Rheinland India Pvt. Ltd., B'lore
iv)Academic Audit was conducted in house for the following constituent units
• Manipal College of Nursing Manipal
• Faculty of Architecture</td></tr>
</table>

<table>
<tr><td></td><td></td><td>

- School of Management
- Welcomgroup Graduate School of Hotel Management
- School of Information Sciences
- School of Communication

Auditors have been drawn from the constituent units other than the one audited. Audit is planned and conducted under the guidance of Quality and Compliance Department of the University.
</td></tr>
<tr><td>24</td><td>Outstanding Achievements/ Recognition by faculty/alumni both at national and international level</td><td>

National Level (in numbers)

<table>
<tr><td>2012</td><td>31</td></tr>
<tr><td>2013</td><td>46</td></tr>
<tr><td>2014</td><td>70</td></tr>
</table>

International Level (in numbers)

<table>
<tr><td>2012</td><td>28</td></tr>
<tr><td>2013</td><td>20</td></tr>
<tr><td>2014</td><td>41</td></tr>
</table>

Annexure IV provides details constituent unit wise

Alumni Achievements (in numbers)

<table>
<tr><td></td><td></td></tr>
<tr><td>National</td><td>56</td></tr>
<tr><td>International</td><td>42</td></tr>
</table>

(Refer Annexure V for details constituent unit wise)
</td></tr>
<tr><td colspan="2">B. Desirable Indicators</td><td></td></tr>
<tr><td>25</td><td>Outstanding performance of students in sports/cultural activities at national level</td><td>Annexure VI</td></tr>
<tr><td>26</td><td>Feedback received from different stakeholders on syllabi etc.
(i) Students (ii) Alumni (iii) Parents
(iv) Employers (v) peers</td><td>

Yes, Feedback is captured from different stakeholders. Centrally feedback is collected from students on following aspects :

<table>
<tr><td>Teaching Methodology</td><td>4</td></tr>
<tr><td>Study Material</td><td>4</td></tr>
<tr><td>Library Services</td><td>4</td></tr>
</table>
</td></tr>
</table>

		Extra-Curricular Activities | 4 Above score is on a scale of 5. Feedback from Parents are captured by the constituent units. Feedback is captured from Peers in Board of Studies meetings and in case of new programmes before the Preliminary meeting at the University. Feedback from Employers are captured Centrally by Director Placements and at individual constituent units by placement officers. **(Few samples attached in Annexure – VIA)**
27	Percentages of recommendations of the stakeholders implemented	Most of the relevant pragmatic feedback have been attended to 100% - Students 70 to 80% - both Alumni & Employers
28	Number of interdisciplinary course combinations introduced during last five years as percentage of total programmes	09
29	Percentage of Departments conducting tutorial classes	70%
30	Number of courses, where continuous assessment of student performances is structured into the system	All Courses
31	Percentage of faculty availing international fellowship for advance studies	0.50%
32	Percentage of courses/programmes that formally integrate e-learning resources from National Programmed Teaching Enhanced Learning (NPTEL) Digital library retrieval	60%
33	Percentage of annual budget allocated for augmentation of infrastructure facilities(average of last 3 years) –	13.02%

<table>
<tr><td></td><td>(average of last 3 years)</td><td></td></tr>
<tr><td>34</td><td>Total number of class rooms, seminar halls with LCD/OHP etc.</td><td>Total No. of Class Rooms/Seminar Halls – 506
No. of class rooms with LCD – 280
No. of Class Rooms with OHP - 101</td></tr>
<tr><td>35</td><td>Declaration of results within</td><td>Most of the results related to Health Sciences Courses are declared within 10 days after completion of the theory paper valuation & Engineering courses are declared within 15 days.

Rest of the results are declared within a month of completion of the exam.</td></tr>
<tr><td>36</td><td>Average pass percentage of students</td><td>2012 : 89.10%
2013 : 89.00%
2014 : 89.00%
<u>Constituent units with Autonomy to conduct exams</u>
2012 : 83.10%
2013 : 79.80%
2014 : 82.30%</td></tr>
<tr><td>37</td><td>Student Placement percentage average per year</td><td>2012 : 90%
2013 : 77%
2014 : 90%</td></tr>
<tr><td>38</td><td>Percentage of student progression to higher education</td><td>UG to PG – 19.86%
PG to PhD – 3.85%</td></tr>
<tr><td>39</td><td>Average drop-out percentage of students</td><td>0% to 4% (Average – 1.47%)</td></tr>
<tr><td>40</td><td>Unit cost of Education (excluding salary)</td><td>Annexure VII</td></tr>
<tr><td>41</td><td>Aggregate percentage of seats filled against seats reserved for various categories as per applicable reservation policy</td><td>Students are admitted based on merit under General and NRI/Foreign category. In case of Medicine (UG and PG) and Dental (PG), some agreed percentage of students are admitted through Karnataka Govt. Common Entrance Test (CET) allotment which may have students from reserved categories.
<table>
<tr><td>Discipline</td><td>Level</td><td>Percentage of seats offered through CET, Karnataka</td><td>Percentage of offered seats filled</td></tr>
</table>
</td></tr>
</table>

		<table><tr><td>Medical</td><td>UG</td><td>15.6</td><td>100</td></tr><tr><td>Medical</td><td>PG</td><td>15.4</td><td>50</td></tr><tr><td>Dental</td><td>PG</td><td>6.04</td><td>25</td></tr></table> Unfilled seats under CET will be kept vacant
42	Number of differently abled persons on roll: Teaching / Non Teaching/ Students	Teaching : 04 Non-Teaching : 12 Students : 04
43	Percentage representation of staff (teaching/ nonteaching) in decision making bodies	Details are provided in **Annexure VIII**
44	* Percentage of autonomous colleges to the total number of colleges	NA
45	Percentage of teachers from other states	31.59
46	Donations received for institution of Chairs, endowments, seminars, and lecture series in crores of INR in last 5 years.	2010-11: Rs 1.74 Crores 2011-12: Rs 4.73 Crores 2012-13: Rs 2.41 Crores 2013-14: Rs 1.71 Crores 2014-15: Rs 1.54 Crores
47	Contribution of Alumni/parents (average of last 5 years) for development of university in lakhs	Nil
48	Percentage of Female Students	In Health Sciences courses percentage of female students is as follows: 2012 : **60.38%** 2013 : **61.41%** 2014 : **61.85%** However, overall percentage of female students for all courses is as follows 2012 : **42%** 2013 : **43%** 2014 : **41%**
49	Number of programmes attended / Organized for professional development of staff per year	2012 : 1407 2013 : 1629 2014 : 1777
50	Projection of successful innovative practices	**BEST PRACTICES (Few examples)** 1. Online Entrance Examination

		2. Promoting Research through Directorate of Research, University 3. Manipal Centre for Professional and Personal Development (MCPD) 4. Student Mentoring and Guidance 5. Industry-Academia Interface 6. Academic/Research Collaborations 7. Environmental Management **Environment Consciousness** a. Energy conservation b. Use of renewable energy c. Water harvesting d. Waste Water Management **Efforts for Carbon neutrality**: a. Plantation b. Hazardous waste management c. Electronic waste management d. Vermi-composting

**Applicable only to the affiliating Universities.*

Place: Manipal
Date: March 1, 2016

MANIPAL ACADEMY OF HIGHER EDUCATION DEEMED UNIVERSITY MANIPAL 576 104

Dr. H Vinod Bhat
Vice Chancellor

Annexure - I

National recognitions for faculty for Teaching / Research / Consultancy / Extension (by reputed /recognised bodies)	**Recognitions**
(From 01/01/2014 to 31/12/2014)	
School of Allied Health Sciences, Manipal	3
Manipal College of Dental Sciences, Manipal	4
Manipal College of Dental Sciences, Mangalore	2
Manipal College of Nursing, Manipal	38
School of Nursing, Mangalore	2
Manipal College of Pharmaceutical Sciences, Manipal	23
Kasturba Medical College, Manipal	40
Kasturba Medical College, Mangalore	25
School of Life Sciences , Manipal	13
School of Information Sciences, Manipal	3
School of Regenerative Medicine, Bangalore	12
Manipal Institute of Technology, Manipal	41
Faculty of Architecture ,Manipal	2
Department of Commerce, SOM, Manipal	1
Department of European Studies, SOC, Manipal	1
Department of Geopolitics & IR, SOC, Manipal	10
Department of Philosophy & Humanities, SOC Manipal	3
Department of Statistics, KMC Manipal	3
Total	**226**

ANNEXURE - 2

GUIDE-WISE NO. OF PHDs AWARDED (2012, 2013 & 2014)

Year 2012:

#	Guide/Supervisor	Ph Ds awarded
1	Dr. (Mrs.) Annie Shirwaikar	1
2	Dr. Akash Ranjan	1
3	Dr. Akhilesh Pandey	1
4	Dr. Anantha Naik Nagappa	2
5	Dr. Anantharaman Dhanabalan	1
6	Dr. Anindya Sinha	1
7	Dr. Arun M. Isloor	1
8	Dr. B. Rajashekhar	1
9	Dr. D.J. Bagyaraj	1
10	Dr. G. Arun Maiya	1
11	Dr. Gopalakrishna Prabhu K.,	2
12	Dr. Indrani Karunasagar	1
13	Dr. J. Gowrishankar	1
14	Dr. K. Ramnarayan	1
15	Dr. K. Sreedhara Ranganath Pai	1
16	Dr. K. Ullas Karanth	1
17	Dr. K.B. Kumar	1
18	Dr. K.K. Srinivasan	1
19	Dr. K.L. Bairy	1
20	Dr. M. Sreenivasa Reddy,	1
21	Dr. M.K. Unnikrishnan	2
22	Dr. M.N. Vahia	1
23	Dr. M.S. Vidyasagar	1
24	Dr. Michael Rajmathi	1
25	Dr. N. Gopalan Kutty	2
26	Dr. N. Sreekumaran Nair	1
27	Dr. N. Udupa	1
28	Dr. P. Mohanan	1
29	Dr. P. Sugandhi Rao	1
30	Dr. Padma Sarangapani	1
31	Dr. Prakasha Shetty	1
32	Dr. Prathibha Karanth	1
33	Dr. Prema K.V.	1
34	Dr. Raghothama Chaerkady	1
35	Dr. Ramesh Bhonde	1
36	Dr. Ramesh Rao T.	1
37	Dr. Ranjan Sen	1
38	Dr. Sangita Mukhopadhyay	2

39	Dr. Santhosh Chidangil	1
40	Dr. Satheesha Nayak B.	2
41	Dr. Satish Totey	1
42	Dr. Shreemathi S. Mayya	1
43	Dr. Shripathy M Bhat	1
44	Dr. Sitharama Kakarala	1
45	Dr. Uma Ramakrishnan	1
46	Dr. V.I. George	1
	TOTAL	**52**

Year 2013:

#	**Guide/Supervisor**	**Ph Ds awarded**
1	Dr. Tejaswini Niranjana	1
2	Dr. Akash Ranjan	1
3	Dr. Akhilesh Pandey	1
4	Dr. Anindya Sinha	3
5	Dr. Anjali Rao	1
6	Dr. Arun M. Isloor	1
7	Dr. Ashok Menon	1
8	Dr. B.H. Anand Rao	1
9	Dr. B.V. Somashekaraiah	2
10	Dr. C. Mallikarjuna Rao	1
11	Dr. C.V. Raghuveer	2
12	Dr. Charudutta Mishra	1
13	Dr. G. Arun Maiya	1
14	Dr. G. Gautham Shenoy	2
15	Dr. Ganesh Pai	1
16	Dr. Indira Bairy	1
17	Dr. J. Gowrishankar	2
18	Dr. Jayashree S. Bhat	1
19	Dr. K. Balakrishna	1
20	Dr. K. Satyamoorthy	1
21	Dr. K. VijayRaghavan	2
22	Dr. Krishnamoorthy	1
23	Dr. Lewlyn L.R. Rodrigues	1
24	Dr. M. Soubadra Devy	1
25	Dr. M. Sreenivasa Reddy	1
26	Dr. M.D. Bashyam	1
27	Dr. Michael Rajamathi	3
28	Dr. N. Gopalan Kutty	2
29	Dr. N. Nagaraju	1

30	Dr. N. Sreekumaran Nair	3
31	Dr. N. Udupa	1
32	Dr. N.R. Rau	1
33	Dr. N.S. Viswanath	1
34	Dr. P.S.V.N. Sharma	1
35	Dr. P.V. Ananda Mohan	1
36	Dr. Prabhakar G. Vaidya	1
37	Dr. Pradeep G. Bhat	1
38	Dr. Puttamadappa C.	1
39	Dr. Ramesha C.	1
40	Dr. Rupinder Kaur	1
41	Dr. S.V. Srinivas	1
42	Dr. Sandra Misquith	1
43	Dr. Satheesha Nayak	2
44	Dr. Sudha Vidyasagar	2
45	Dr. Sumantra Chattarji	1
46	Dr. Sunil Kumar Manna	1
47	Dr. T. Ganesh	1
48	Dr. Upinder S. Bhalla	1
49	Dr. V. Ramachandra Murty	1
50	Dr. Vadhiraja B.M.,	1
51	Prof. B.S. Satyanarayana	2
	TOTAL	**66**

Year 2014:

#	**Guide/Supervisor**	**Ph Ds awarded**
1	Dr M P Yashoda	1
2	Dr. Sitharamam Kakarala	2
3	Dr. Tejaswini Niranjana	2
4	Dr. A. Venkatachalam	1
5	Dr. Aloysius H. Sequeira	1
6	Dr. Anantha Naik Nagappa	2
7	Dr. Aparajita Datta	1
8	Dr. Arun M. Isloor	1
9	Dr. Arun Maiya	1
10	Dr. Ashok Alva	2
11	Dr. B. Rajashekhar	1
12	Dr. B.V. Somashekaraiah	1
13	Dr. Bhaskarananda Kumar	1
14	Dr. C.S. Shreedhara	1
15	Dr. Ganesh Chandra Jagetia	1

16	Dr. Gayathri M. Rao	1
17	Dr. Indrani Karunasagar	2
18	Dr. J. Venkata Rao	1
19	Dr. K. Balakrishna	1
20	Dr. K. Satyamoorthy	3
21	Dr. K.B. Kumar	2
22	Dr. K.C. Shet	2
23	Dr. K.K. Srinivasan	2
24	Dr. K.P. Arun Kumar	1
25	Dr. K.R. Venugopal Reddy	1
26	Dr. K.V.M. Varambally	1
27	Dr. Krishnamoorthi Makkithaya	1
28	Dr. Lewlyn L. Raj Rodrigues	1
29	Dr. M. Sathish Kumar	1
30	Dr. M. Sreenivasa Reddy	2
31	Dr. M.B. Saidutta	1
32	Dr. M.D. Bashyam	1
33	Dr. M.K. Unnikrishnan	1
34	Dr. M.S. Vidyasagar	1
35	Dr. Maddasani Srinivasulu	1
36	Dr. Mukesh K. Chaudhry	1
37	Dr. N. Udupa	1
38	Dr. N.S. Viswanath	1
39	Dr. N.V. Subba Reddy	1
40	Dr. Nalini K.	1
41	Dr. Nayeem Ullah Khan	1
42	Dr. Niranjan U.C.	2
43	Dr. P.K. Shetty	1
44	Dr. Padma Venkat	1
45	Dr. Padmalatha Rai S.	1
46	Dr. Pawan Kumar Gupta	1
47	Dr. Prabha Adhikari	2
48	Dr. Pramod Kumar	3
49	Dr. Prema K.V.	1
50	Dr. Premnath Shenoy	1
51	Dr. Priyadarsanan Dharma Rajan	1
52	Dr. Raghuvir Pai B.	1
53	Dr. Ranjan Sen	1
54	Dr. Raviraja N.S.	1
55	Dr. Ronald J Mascarenhas	1
56	Dr. Rupinder Kaur	1
57	Dr. S.M. Kulkarni	2

58	Dr. Sandra Misquith	1
59	Dr. Sangita Mukhopadhyay	1
60	Dr. Shivananda Nayak	1
61	Dr. Shreedhara C.S.	1
62	Dr. Shreemathi S. Mayya	1
63	Dr. Shripathy M. Bhat	1
64	Dr. Sureshwar Pandey	1
65	Dr. T. Ganesh	1
66	Dr. Upinder S. Bhalla	1
67	Dr. V. Upadhyaya	1
68	Dr. V.I.George	1
69	Dr. V.M. Subrahmanyam	1
70	Dr. Vijay Kumar	1
71	Dr. Vivian D'Souza	1
72	Dr. Yash Veer Bhatnagar	1
73	Dr.V.Ramachandra Murty	1
74	Prof. Narendar Pani	1
	TOTAL	**90**

GUIDE-WISE NO. OF M.PHILs AWARDED (2012, 2013 & 2014)

Year 2012:

#	**Guide/Supervisor**	**M.Phils awarded**
1	Dr. Christopher Sudhakar	1
2	Dr. Erna Judith Roach	1
3	Dr. Suja Karkada	1
4	Dr. Baby S Nayak	1
5	Dr. Kasturi R Adiga	1
6	Dr. Dinesh	4
7	Dr. Johnson	2
8	Dr. Sahana	2
9	Dr. Shweta	2
10	Dr. Jyothi Prasanna	1
11	Dr. Indrani Datta	1
12	Dr. Sudha Warrier	1
	Total	**18**

Year 2013

#	**Guide/Supervisor**	**M.Phils awarded**
1	Dr. Dinesh	2
2	Dr. Johnson	2
3	Dr. Sahana	2
4	Dr. Shweta	2
5	Dr. Jyothi Prasanna	1
6	Dr. Indrani Datta	1
	Total	**10**

Year 2014

#	**Guide/Supervisor**	**M.Phils awarded**
1	Dr. Baby S Nayak	1
2	Dr. Christopher Sudhakar	2
3	Dr. Mamatha S Pai	1
4	Dr. Tessy Treesa Jose	1
5	Dr. Linu S George	1
6	Dr. Tessy Treesa Jose	1
7	Dr. Elsa Sanatombi Devi	1
8	Dr. Dinesh	2
9	Dr. Johnson	2
10	Dr. Sahana	1
11	Dr. Shweta	2
12	Dr. Ramesh R Bhonde	1
	Total	**16**

Annexure III

Sl. No.	Constituent Units	Conference/Workshop Conducted in 2014
		Regional / National / International
1	Kasturba Medical College, Manipal	34
2	School of Allied Health Sciences, KMC - Manipal	18
3	School of Life Science Centre, KMC Manipal	6
4	Dept. of Statistics, KMC - Manipal	5
5	Dept. of Public Health, KMC - Manipal	1
6	Dept of Virus Research , KMC - Manipal	2
7	Manipal College of Nursing	1
8	Kasturba Medical College, Mangalore	21
9	Manipal College of Dental Sciences, Mangalore	21
10	Manipal College of Dental Sciences, Manipal	24
11	Manipal College of Pharmaceutical Sciences, Manipal	10
12	Manipal Institute of Technology, Manipal	21
13	Faculty of Architecture, MIT - Manipal	6
14	Dept. of Atomic & Molecular Physics, MIT - Manipal	3
15	Dept. of Geopolitics & International Relations – SOC, Manipal	1
16	Department of Commerce, SOM - Manipal	4
17	School of Information Science, MIT Manipal	1
18	School of Regenerative Medicine, MHB -Bangalore	5
Total		**184**

No. of Conferences / Workshop Conducted

Kasturba Medical College – M'pal - 34

KMC - Workshop /Conference Details 2014-15 (National / International)		
Sl #	**Name**	**Department**
1	Apgap 2014	Anaesthesia
2	Ayurvision 2014	Ayurveda
3	KMC-Herbal Cosmetology	Ayurveda
4	Transfusion Medicine Update 2014	Blood Bank
5	KMC-Manipal Cardiology Update 2014	Cardiology
6	Micromanupulation Workshop	Clinical Embryologies
7	KMC-Iinternational Symposium-Fertility Preservation	Clinical Embryologies
8	Stastical Analysis Using R	Community Medicine
9	Workshop on Statistical Analysis Using SPSS	Community Medicine
10	Workshop cum CME on Phototherapy	Dermatology
11	KMC-Workshop on Head & Neck Oncosurgery	ENT
13	KMC-Update in Hepatology	Gastroentrology
14	CME on Current Perspective on Medical Audit	Hospital Administration
15	Milap -Alumni Meet	Hospital Administration
16	Iimplementation of NABH Standards in hospitals	Hospital Administration
17	CME Programme on Medical Practice & Legal Issu	Hospital Administration
18	Manipal Conventus 2014(SRF)	KMC SRF
19	KMC- NCD 2015 (Medicine DEPT.)	Medicine
20	KMC-Manipal Infectious Diseases CME 2014	Medicine
21	KMC-CME in Endocrinology	Medicine
22	KMC-Manipal Medicine Clinical CME-2015	Medicine
23	National Workshop on Parasitology	microbiology
24	Workshop on Diagnostics Techniques in Medical Mycology	Microbiology
25	Symposium-Zeroing on HIV/AIDS	Microbiology
26	TB Diagnostocs- Lens to Genes	Microbiology
27	DR. A. Padma Rao Memorial Post Graduate Update	OBG
28	KMC-Advances in Gynaecologicn OncologyY 2014	Oncology
29	Update on Gloucoma	Ophthalmology
30	KMC-Imminization Update CME	Peadiatrics
31	Manipal Genetics Update 2014	Peadiatrics Genetics
32	KMC-Psychiatry Update 2014	Psychiatry

33	Conf.on Midpulmocon 2014	Pulmonery Medicine
34	Diabetes Mellitus & Cardivascular Diseases	Simulation Centre

School of Allied Health Sciences, KMC-Manipal - 18

Sl. No.	Resource Person	Topic	Date/year	Source of funding
1.	Resource Persons: Dr. Ajay Bhandarkar, Dr. B. Rajashekar, Dr. U V Aithal, Dr. Usha, Ms. Sheela	World Voice Day	26 April 2014 at Shirdi Sai Baba Hall	Dept of Speech and Hearing
2.	Dr. Leslie Lewis Ms. Bhargavi Ms. Angel S	Current Trends in Pediatric Hearing Assessment – I (Seminar convened by Ms. Archana)	30 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
3.	Mr. Kishan MM Dr. Sivaprasad Reddy Ms. Anupriya Dr. Kanaka G	Advances in Hearing Aid Selection and Programming (Seminar convened by Mr. Kishan M M)	30 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
4.	Mr. Hariprakaash Ms. Archana Mr. Dinesh	Current Trends in Pediatric Hearing Assessment – II (Seminar convened by Mr. Hari Prakash)	30 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
5.	Dr. Usha Dalvi Dr. Bhamini Dr. Shovan Saha	AAC in CP (Seminar convened by Dr. Veena K D and Dr. Sunila John)	30 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
6.	Dr. Pratibha Karanth Dr. Apoorva Pauranik Dr. Amith Sitharam Dr. Manikandan Dr. Gopeekrishnan	Aphasia (Seminar convened by Dr. Gopee Krishnan)	30 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA

7.	Dr. Christopher Sudhakar	Infection Control in ASLP Practice (Seminar convened by Dr. Krishna Y)	31 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
8.	Dr. Gopeekrishnan Kiran S Dr. Shashidhar	Assessment of Acquired Reading and Writing Impairments (Seminar convened by Mr. Kiran S)	31 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
9.	Dr. Balakrishnan Dr. Vaishali Dr. B. Premalatha Dr. B. Rajashekhar Dr. Rehan Kazi Dr. Eric Blom	Laryngectomy: Team Approach (Seminar convened by Dr. Venkataraja Aithal U and Sheela S)	31 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
10.	Ms. Sheela Dr. Venkataraja Aithal U Dr. B. Rajashekhar	Laryngectomee: An Overview (Workshop convened by Dr. Venkataraja Aithal U and Sheela S)	31 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
11.	Dr. Suresh T Dr. John S Dr. Sashidharan	Assessment and Management of Balance Disorders – A Team Approach (Seminar convened by Dr. Krishna Y)	31 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
12.	Dr. Usha Devadas Dr. R. Balakrishnan Dr. Prakash Boominathan Dr. Manjiree Ghokale Mr. Dinesh	Teachers as Professional Voice Users: Issues, Assessment and Management of Voice Problems in Teachers (Seminar convened by Dr. Usha Devadas)	31 Dec, 2014, Interact Halls, Manipal	Dept of Speech and Hearing & Manipal Chapter of ISHA
13.	Dr. Elizabeth A Cada Dr. Divya Sood Dr. Mary Butler	Collaborative Coaching Model for children with sensory processing dysfunction & Emerging	23th to 24th January 2014	—

		of practice in vision rehabilitation		
14.	Dr. Sebestina Anita D'souza Dr. C Shashidhar Rao Mrs. Vinita Acharya	Capacity Building for the Occupational Therapy Researcher	24th to 26th November 2014	___
15.	Dr. Sebestina Anita D'souza Mr. Koushik Sau Mr. Guruprasad V	Occupational Therapy in stroke rehabilitation: An Evidence based approach	27th to 29th November 2014	___
16.	Organised by Dr. G Arun Maiya	National Grant writing workshop	29th & 30th November 2014	Dr. TMA Pai Endowment Chair
17.	Dept of Physiotherapy: • Dr John Solomon • Dr Manikandan • Mr. Senthil Kumaran D • Dr Bhamini Krishna Rao • Mr. Akash • Department Occupational Therapy: • Dr Sebastina	Evalutation and management of Spasticity	23rd November 2014	Dept of Physiotherapy & Mc. Gill University Canada
18.	Dept of Physiotherapy: • Dr. Bhamini K Rao • Mr. Ganesh B • Mr. Ranganath G • Mr. Rajesh Navada Other department faculty • Dr. Annamma Kurien , Associate Dean, MMMC • Dr. Dinesh Nayak, Peadiatrics • Dr. Girish Katta, Genetics • Mr. Guruprasad V • Mr. Sanjeev Kumar	CME on Rehabilitation of Hemophilia	12th December 2014	Nova nordisk Hemophilia foundation

School of Life Sciences – KMC – M'pal - 6

10th Indo-Australian Workshop	SMRM Conference
Dr. Pawan Kumar Gupta	Dr. Lalji Singh
Dr. Prabha Nair	Dr. Satish P. RamachandraRao
Dr. Sudhir Krishna	Dr. Upender Manne
Dr. Rajesh Gokhale	Dr. Anshu Bharadwaj
Dr. Jomon Joseph	Dr. Josef Finsterer
Dr. M. R. Pillai	Dr. Gayathri N
Dr. Geeta Vemuganti	Dr. Aruna Gowda
Dr. P. Dasaradhi	Dr. Suresh Mishra
Dr. D. Balasubramanian	Dr. Naresh Babu V. Sepuri
Dr. M. Panicker	Dr. Kumarasamy Thangaraj
Dr. Polani Sheshagiri	Dr. Mercy P. Davidson
Dr. Mohan Wani	Dr. Keshav K Singh
Dr. A. A. Hardikar	Dr. Amutha Boominathan
Dr. Maneesha Inamdar	Dr. Debkumar Pain
Dr. N. S. Raviraj	Dr. Sundaresan Periasamy
Dr. Geeta Jotwani	Dr. Bruce Cohen
Dr. Alok Srivastava	Dr. Rana Singh
Dr. K. Dharmalingam	Dr. Ilora Ghosh
Dr. Ramesh Bhonde	
Dr. Zee Upton	**Refresher Course Bioinformatics**
Dr.PritinderKaur	Dr. N. Mukunda
Dr. Allison Cowin	Mr. G. Madhavan
Dr. Erik Thomson	Dr. K. Guruprasad
Dr. Mahendra Rao	Dr. K. Acharya
Dr. Jane Visidar	Dr. Anantharamanan
Dr. Jian Li	Dr. R. Manimekalai
Dr. Roger Nation	Dr. Renu Durairaj
Dr. Joe Rothnagel	Dr. Sharmila Mande
Dr. David Leavesley	Dr. Shekar Mande
Dr. Fiona Wood	Dr. K. Thangaraj
Dr. Ken Beagley	Dr. V. Nagaraja
Dr. Mark Kendall	
Dr. Robin Marks	**Human Cytogenetics Symposium**

Dr. Richard Kefford	Dr. P.C. Kesavan
Dr. Nick Hayward	Dr. N. Jaya Shetty
Dr. A. A. Hardikar	Dr. Suresh Abraham
	Dr. S.T. Santhiya
SBCI – Coastal Karnataka Chapter	Dr. Chandra R. Samuel
Dr. V. Nagaraja	Dr. K. Thangaraj
Dr. Umesh Varshney	
Dr. D.N. Rao	**Flow Cytometry Workshop**
Dr. Indrani Karunasagar	Dr. Friedrich Otto
Dr. K. Shamaprasada	Dr. Venkatachallam
Dr. P.Kondaiah	Dr. H. Krishnamoorthy
Dr. K. Somasundaram	
Dr. K.R.Chandrashekar	
Dr. Anirban Chakraborty	
Dr. Subrahmanyam Gangavarapu	
Mr. Kamalesh Mumbrekar	
Mr. Himanshu Gupta	

Department of Statistics , KMC – Manipal - 5

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
1.	Conference on Linear Algebra & its Applications from 18-20 December 2014	International	DST CSIR NBHM INSA	Dr. R.B. Bapat,R. Balakrishnan Abraham Berman Rajarama Bhat Rajendra Bhatia Arup Bose Steve Haslett Surender Kumar Jain Andre Leroy S.H. Kulkarni Arbind Kumar Lal S.K. Noegy Sukanta Pati Simo Puntanen T.E.S. Raghavan

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
				Sharad Sane Bhaba Kumar Sarma Ajith Eqbal Singh K.C. Sivakumar Sivarama Krishnan Sivasubramanian Murali K, Srinivasan Wasin So, V.S Sundar
2.	Workshop on "Official Statistics" on 16th December, 2014	National	NASA	Dr. Anjana Dube Shri. H. Borah
3.	Workshop on "Systematic Reviews and Meta Analysis" November 22-23, 2014	National	Nil	Dr. Unnikrishnan B Dr. Suma Nair Dr. Prasanna Mithra Dr. Judith Noronha
4.	Workshop On Data Manipulation And Statistical Analysis Using SAS - August 1-3, 2014	National	Nil	Mr.Pradeep Acharya Mr. Raghavendra Devadiga Ms. Madhura Saralaya Ms. Amitha Puranik
5.	Workshop on statistical methods in epidemiology– 26-30 May 2014.	National	MCI	

Department of Public Health, KMC - Manipal - 1

#	Conference	National / International	Experts
1	Global health symposium	International	Susan Barclay, Christopher Gombai, Michael Ladoceur, Andrea Baumann, Christopher Longo – from McMaster University Agnes Meershoek, Anja Krumeich, Nynke Dejong, Thomas Krafft, Eva Pilot – from Maastricht University

Department of Virus Research- KMC – Manipal - 2

i. DVR conducted training workshop on **Basic course in Virological techniques** from 3-8 November 2014 to MSc (Micro) & MD (Micro) students of KMC, MU.

ii. DVR conducted training workshop on **advanced course in Diagnostic Virology** from 16-21 December 2013, 18-23 Aug 2014 and also 13-18 April 2015 on payment basis to Microbiology Faculty, Research Scientists (ICMR labs etc), of various institutes.

Manipal College of Nursing - 1

Year	Seminar/conferences/workshop	No. of participants	No. of resource person	Source of fund
2014	International perspectives on aging: Evidence to guide clinical practice	400	04	advantAGE Seniors Consulting LLP, Bangalore

Manipal College of Dental Sciences, Mangalore - 21

Sl. No.	Topic	Guest Speaker	Date of Conduct
1	CDE: Tobacco Use Cessation- Perspectives and Practice	Dr. Mihir N. Shah, Dean and Head, Periodontics & Oral Implantology, Ahmedabad Dental College & Hospital, Ahmedabad & Hon. Consultant to WHO (HQ) for Tobacco Control	07-06-2014
2	Head and Neck Cancer: An epidemiology	Dr. Unniksirhnan, Prof. & HOD of Comm. Dent. KMC, M'lore	30-10-2014
3	Targeted Therapy: Where we are today	Dr. Krishna Prasad, Assoc.Prof. of Medical Oncology, KMC Mangalore,	30-10-2014
4	Recent advances in Surgical Management of Head & Neck Cancers	Dr. Ashok M. Shenoy, , Prof. & Chairman, Dept of Head & Neck Surgery, KIDWAI Memorial Institute of Oncology, Bangalore	30-10-2014
5	Optimizing Radiation Therapy in the Indian Scenario	Dr. Tanvir Pasha, Assoc. Prof. of Radiation Oncology, KIDWAI Memorial Institute of Oncology, Bangalore	30-10-2014

Sl. No.	Topic	Guest Speaker	Date of Conduct
6	Potentially malignant disorders of the Oral Cavity	Dr Keerthilatha M.Pai, Prof. & HOD of OMR, MCODS, Manipal	30-10-2014
7	Pre Conference Workshop on "MASTER YOUR CBCT (Lecture & Hands-on)	Dr Sanjay Mallya, Asst. Prof., Residency Program Director (OMR), UCLA, School of dentistry, USA	30-10-2014
8	Live Webinar: Final Protocol in Modern Endodontics	Dr AnishNaware, Specialist Consultant, Mumbai	10-06-2014
9	Live Webinar Program: "Practice Management"	Dr Sandesh Mayekar, Specialist & Consultant in Restorative/Esthetic Dentistry & Endodontics, Mumbai	02-07-2014
10	CPD – Posterior Composite Restorations made simple	Dr Uday Shetty, Comestic Dentist, Mumbai	01-09-2014
11	CPD on "Intra Oral Photography – A Fine Art	Dr Akhter Husain, Prof. & Head of Ortho. YDC, Mangalore.	19-06-2014
12	Hands on Workshop on Basic Life Support	Dr. Madhusudan Upadhya, MS, KMC Hospital, Mangalore. Dr. Shaila Kamath, Assoc. Prof. of Anesthesiology, KMC, Mangalore. Dr. Shaila Kamath, Assoc. Prof. of Anesthesiology, KMC, Mangalore. Dr. Jesni Joseph, Assoc. Prof. of Anesthesiology, KMC, Mangalore. Dr. Meghana, Assoc. Prof. of Anesthesiology, KMC, Mangalore.	13 to 15th March-14
13	CPD: Max Facts 2014: Current Concepts and Challenges in Maxillofacial Infections	Dr. Chakrapani M. Prof. of Med KMC, Mangalore. Dr. Ravi N. Vaswani, Prof. & HOD of Medicine, YDC, Mangalore Dr. Krishnamurthy Bonanthaya, Prof. of Max. Surgery, Bangalore Inst. Of Dental Sciences. Bangalore	31-10-2014
14	Pre-convention workshop on "Interpreting Cone Beam CT Images in Oral Implantology" at Indian Society of Periodontology 13th National PG Convention	Dr. Praveen Birur, Prof. & HOD of OMR, KLE Society's Institute of Dental Sciences Bangalore. Dr. Ravikiran Ongole, Prof of OMR, MCODS Mangalore.	07-03-2014

Sl. No.	Topic	Guest Speaker	Date of Conduct
15	**Pedo App 2014** • Exclusive Paediatric Dentistry Practice • When & where to Intervene • Pediatric maxillofacial pathology and Treatment: A clinical perspective	Dr. SankalpTaparia, Pediatric Consultant, Happy 2TH, Kolkatta, W.B. Dr. Rajmohan Shetty, Prof. of Pedo & Prev. Dent. ABSMIDS, Mangalore Dr. Abhishek Kumar, Asst. Prof., B. P. Koiral Inst. Of Health Sciences, Dharan, Nepal	30-07-2014
16	CDE - 'Tongue Tie' and 'Oral Pathologica conditions seen in children'	Dr. Sherene Alexander	16-09-2014
17	CDE: Application of Mini Implants in Orthodontics Management of Skeletal Malocclusion	Dr. S. Venkateswaran, Prof. & HOD of Orthodontics, Chettinad Dental College, Chennai	11-01-2014
18	Eye for Implantology – Beginner's workshop	In house speakers (Prosthodontics)	24-07-2014
19	eviDENS-2014 – Workshop on Research Methodology and Biostatistics	In house speakers (Public Health Dentistry)	4th& 5thAug. 2014
20	Drawing Competition for school children on account of Children's' Day celebrations on "Oral and Dental Health"	-	13-11-14
21	• Poster competition for interns & postgraduates on the topic "Brush and Floss or Prepare for loss • Free dental checkup and Drawing competition for children at Bhagini Samaj on the topic "My dentist" • Free dental check up, talk on Oral Health care in women, street pay and quiz at St. Agnes College	-	1 & 2 Aug. 2014

Manipal College of Dental Sciences, Manipal - 24

S. No	Description	2014
1	No. of Conference/ workshop/ CDE organised	24

Manipal College of Pharmaceutical Sciences , Manipal - 10

Sl. No.	Topic	Date & funding agent	Participants
1.	Clinical Skills for Pharm D Students	January 6 - 7, 2014 Forty-four Pharm D students, mostly from Gujarat participated in the seminar in addition to the local participants	Teachers, students
2.	Crusade against neoplasia and challenges in targeting tumor-specific nuclear machinery	January 21 - 23, 2014 AICTE sponsored seminar cum workshop	Teachers, students
3.	Nanomedicines: Risk and Benefit Ratio	Janaury 24 - 25, 2014 AICTE sponsored seminr cum workshop	Teachers, students
4.	Pharmacoeconomics, Outcomes Research and Pharmaceutical care guidelines for India	Febraury 12, 2014 International Society for Pharmacoeconomics and Out Come Research (ISPOR) sponsored National Symposium	Resource persons form industry participated in this event.
5.	National Professor and a former Vice Chancellor of Manipal University Dr M S Valiathan exhorted the postgraduate students and researchers to publish their good work in Indian journals rather than in high-impact international journals	March 12, 2014 15th Annual Postgraduate Pharmacology Lecture Update	Teachers, students
6.	Management of Innovative Drug Development	June 16- 28, 2014 AICTE sponsored 1st Quality Improvement Programme	Pharmacy Teachers
7.	Discovery, Development and Design of Drugs from Nature	July 14 – 26, 2014 AICTE sponsored 2nd Quality Improvement Programme	Pharmacy Teachers
8.	Frontiers in Pharmacology of Drug research & recent trends in Pharmacy Practice	January 5-17, 2015 AICTE sponsored 3rd Quality Improvement Programme	Pharmacy Teachers
9.	Healthy Mother And Happy Child	Nutritional Awareness Event organized by Community	Teachers, students

		Development Committee during September 3 – 4, 2014	
10.	PharmD-Pedia	September 13, 2014 One day exhibition on PharmD (Doctor of Pharmacy) jointly organized by PharmD students' forum, Manipal and Academic council, MAPS (Manipal University Pharmacy Students Association)	Students

Manipal Institute of Technology

Aeronautical and Automobile Engineering -2

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
1	Environment and sustainable Technologies	International	Delegate fee and sponsorship	**Shuichi Torri,** Dept. of mechanical systems Engineering, Kumamoto University, Japan. **Mohd Zulkifly bin Abdullah,** Professor, School of Mechanical Engineering, Universiti Sains Malaysia **Kamarul Afrin**, Professor, Aerospace Engineering Dept., University Putra Malaysia, Malaysia.
2	Advances in Aerial/road Vehicles & its Applications	National	Defense Research and Development organization (DRDO) Delhi.	

Biotechnology - 1

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
1	Symbiot	national	self-funded	

Biomedical Engineering - 2

Two day workshop on Soft Computing in Healthcare Applications (SOFT-COMP2014) during March 28-29, 2014.	Dr. Ganesh Murthy	Coordinator (Training & Consultancy), Mercedes-Benz Research & Development India Pvt. Ltd., Bangalore
	Mr. Harikrishna Rai	Research Analyst, Lead-Image and video analytics Group,Infosys Labs, Bangalore
	Dr Niranjan U C	Director (Research and Training),
	Mr Rajendra Kurady	Senior Manager, Philips, Bangalore
	Dr Ram Maohan Reddy	Chairman, Central Computer Center, Professor, Dept. of IT, NITK, Surathkal
	Dr Sriram	Prof. & HOD, Dept. Medical Electronics, MSRIT, Bangalore
	Mr. Gautham Raj	Mercedes-Benz Research & Development India Pvt. Ltd., Bangalore
IGSTC-sponsored Symposium, funded by IGSTC, March 5-7, 2014, organized by the Dept. of Biomedical Engg. in association with the Innovation Centre, and pmTUC (Technical University of Chemnitz). **Source of Funding: IGST (INR 20,000.00)**	ChA Dr. med. Sven Seifert	Klinikum Chemnitz (company)
	Prof. Dr.-Ing. Arved C. Hübler	TU Chemnitz (university)
	Prof. Dr. Ramesh R. Galigekere	MIT, Manipal University
	Prof. Dr. Günter Tovar, Fraunhofer IGB Stuttgart	
	Prof. Dr. Manohara M. Pai	Manipal University
	Prof. Dr.-Ing. Stephan Odenwald,	TU Chemnitz
	Dr. M. Manjunatha	IIT Kharagpur
	Prof. Dr.-Ing. Klaus Radermacher,	RWTH Aachen
	Dr. Chandra Sekhar Seelamantula,	IISc Bangalore

	Prof. Dr.-Ing. Friedrich Ueberle,	HAW Hamburg
	Vikram Mehta, M. Sc., Dr. Jürgen Steimle,	MMCI Uni Saarland
	Dr. Vishnu Prasad,	Kasturba Medical College Manipal
	Shyam Vasudeva Rao	Forus Health Pvt. Ltd, Bangalore
	Prof. Dr. G.K. Prabhu,	Manipal Academy of Higher Education, Manipal
	Prof.Dr K. Satyamoorthy	Manipal Academy of Higher Education, Manipal
	Dr. Jörg Nestler; Prof. Dr. Thomas Geßner,	TU Chemnitz
	Prof. Dr. Rajagoapl K. V.	Kasturba Medical College Manipal
	Dipl.-Ing. Walter Wirths; Prof. Dr. Bernhard Wolf	TU München
	Dr. A.G. Ramakrishnan,	IISc Bangalore
	Dr. Kiranam Chatti,	University of Hyderabad
	Prof. Dr. Dipl.-Phys. Jürgen Stettin	HAW Hamburg
	Dr. C. Santhosh	Manipal Academy of Higher Education, Manipal
	Justin Lange, M.A.; Prof. Dr. Thomas L. Milani,	TU Chemnitz

Chemical Engineering - 1

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
1	Chemignite 2k14- A - Clean and Green Technologies for Sustainable Development	National		

Department of Computer Application - 2

	Title of workshop	date	Source of fund	Resource person
1	Data Visualization & Android Programming (DVAP- 2014)	May 17th- 19th, 2014	MIT, Manipal	

2	Soft Skills & Communication Activity based Learning Exercise	August to November 2014	MIT, Manipal	

Computer science & Eng - 4

1. Workshop on " Business Process Simulation" by Prof. D.S. Broca, XLRI Jamshedpur on February 24, 2014.
2. Two Week ISTE Main Workshop on Computer Networking Under the National Mission on Education through ICT, MHRD, New Delhi, June 30th, 2014 to July 5th, 2014.
3. Talk on "Cloud, PaaS and Bluemix" by Mr. Rajendra H. Kamath, Senior Manager (Technical) IBM India Pvt. Ltd., Bangalore on 20th September, 2014.
4. Workshop on "Big Data Analytics and Cloud Computing" on November 18-19, 2014

Electronics & Communication Engineering - 1

Year	Major envent	Funding agencies	Participants
2014	One day workshop on "COMSOL Multiphysics"	....	.....

Electrical & Electronics Engineering - 1

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
1	Advances in Energy Conversion Technologies (ICAECT 2014)	International	Schneider Electric Dept. of Science & Technology, Ministry of Science & Technology, Govt. of India Council of Scientific & Industrial Research (CSIR) CoreEL Technologies CRANES TI	Participants

#	Title of the Seminar/ workshop/ conference	National/ International	Funding Agency	Outstanding Resource persons
			university program	

Information and Communication Technology - 4

Sl. No.	Workshop	Funding Source	Resource person
1	Technical Talk on Information Systems Strategy	NA	Dr Ashok Tiwari, Principal Lecturer, School of Computer Science at the University of Hertfordshire, UK
2	Technical Talk on "Automatic Parallelization of Programs for contemporary architectures"	NA	Dr. Supratim Biswas, Professor, Computer Science & Engineering Indian Institute of Technology, Bombay
3	Technical Talk on "Large Scale Visual Content Analysis"	NA	Dr. Nikhil Rasiwasi Scientist, Yahoo Labs, Bangalore
4	Ping 2.0.1.4 on Trends in Data Analytics	NA	Mr. Srinivasan Subramaniam (Infosys) Mr. SudhirRawat (Microsoft)

Instrumentation and Control Engineering (I and CE) - 2

- Recent Trends in Process Control and Systems Jan 2014
  Dr.M.Chidambaram, IIT Madras
  Dr.RaveendraGudi, IIT Bombay

- CISCON 2014
  Dr. KLS Sharma, Advisor, Automation Education and training, Blore
  Mr.SanjayVenugopal ,sr Technologist, YokogawaIA technologies, Blore
  Dr,KVGangadharan, Prof. NIT K Surathkal

Mechanical and ManufacturingEngineering - 1

	Conference	National/ International	Resource person	Funding source
1	Environment and Sustainable Technologies (iCEST – 2014)	International	Dr. C. R. Kamath Dr. M. V. Kini Dr. Satish Shenoy Dr. Dayananda Pai	Blue Dart Express Limited, Mangalore – Rs. 50000 Century farms, Udupi – Rs. 5000 Kalkura refrigerations and kitched Pvt. Ltd. – Rs. 10000 Maroor's machine tools Co. – Rs. 10000 Multee ProE India, Bangalore. – Rs. 10000 Power one Micro systems Ltd. – Rs. 10000 Syndicate Bank, MIT Branch, Manipal. – Rs. 5000

Faculty of Architecture- MIT - Manipal

National /Regional workshop 2014: - 6

1. Dr. Iraphne Childs from Australia delivered guest lecture on January 14, 2014 on following topic
   - Natural Hazards in Australia
   - Population change and Urban growth in India
2. Dr. David Leifer, Senior Professor, Bond University Gold Coast, Australia conducted a 3 day workshop for M. Arch. students from 19th to 22nd February 2014.
   - Lecture on Digital Architecture and Building Information Modeling
   - Workshop Assignment for developing BIM in Architecture and Design
   - Workshop: Finalization of BIM for selected project,
   - Faculty of Architecture, Manipal University, Manipal conducted Tetries 2014 – a two day workshop for all UG and PG students. A group of 40 students accompanied by Ar. Neelakshi joshi, Assistant professor, FOA attended the mud work shop held on 19th & 20th September 2014.
3. Er. Amaranatha SN, Ms.Ambika, Ms.Keerthi, Ms.Hemalatha experts from Bangalore conducted workshop on CYPECAD on 21st and 22nd March 2014 for UG and PG students.
4. Twelve students of B.Arch. course attended the workshop by Biome Environmental Solution Pvt. Ltd at Bangalore on July 27, 2014 to August 2, 2014.
5. Somany Ceramic Ltd., Mumbai organized lectures entitled " Flooring Technology and its Dynamics" for the students on 26th August 2014.

6. Mr. Sudarshan Nair, Excellent painter & Sculptor and was Curator of Art Museums in DUBAI conducted workshop on Studio Wall Painting.

Department of Atomic & Molecular Physics , MIT- 3

#	Workshop
1	DAE-BRNS National Laser Symposium – held during 6 - 11 January, 2014
2	The Theme Meeting on Ultra Fast Science-2014held during October 30th – November 1st 2014
3	One day Symposium on Recent Advances in Photonicsheld on 23rd July, 2014

Department of Commerce – SOM - Manipal

BBM (Programmes):- - 4

Sl #	Conference / Symposium / Workshop	Name of the External Resource Person/s	Source of Funding
1	Benchmarking Best Practices for Service Quality	Mr Praveen Suvarna, Executive Vice President, Quality Assurance, YES Bank Limited, Mumbai	Self-Financed
2	"Capital Market Awareness" in Association with Bombay Stock Market Exchange (BSE)	Mr Sumeet Nayak, Vice President, Lotus Knowlwealth, Mumbai	Self-Financed
3	Workshop on Business Communication – An Essential pre requisite for hiring & Selection	Mr SurkundShivshankar, Retired Assistant General Manager, Union Bank, Mumbai	Self-Financed
4	Workshop on "Risk Management & Total Quality	Praveen Suvarna, Executive Vice President, Quality Assurance, YES Bank Limited, Mumbai	Self-Financed

School of Information Sciences , MIT- 1

National Conference on Information Science – 2014

- The fifth National conference on Information Sciences (NCIS-2014) was held on Sept 26-27, 2014 at School of Information Science (SOIS), Manipal, Karnataka, India. Theme of the Conference is to provide the forum to researchers, engineers and academia to exchange the current and future trends in Healthcare IT, Electronics systems design and information sciences. NCIS topic is HealthCare IT, Computers science, Electronics System, VLSI, Embedded, Wireless Technology.

Kasturba Medical College – Mangalore -21

Conference	Department	Funding	Outstanding participants
South Regional Conference of the Association of Clinical Biochemists of India 2014	Biochemistry	ICMR and Funds raised from local branches of banks & Diagnostic centers	Dr. A.S. Kanagasabhapathy, Dr. K. Ramnarayan, Dr. Shilpa Puthran,Dr. Ullas Kamath,Dr. Sudhakar Nayak ,Dr. T. Vijay Kumar,Dr. D.M.Vasudevan,Dr. K. Satyamoorthy,Dr. Surekha Zingde,Dr. Kannan Vaidyanathan ,Dr. U Sathyanarayana,Dr. Elizabeth A Frank
CME – Role of Serum free light chain assays in diagnosis & management of multiple myeloma, related plasma cell dyscrasias & myeloma of kidney	Biochemistry	Healthcare India Pvt. Ltd – New Delhi	Dr. Kelly Endean, Mr. Khaikay NG, Mr.Anuj Wahi
CME on Mycotic Infections: In-Quest for Knowledge	Microbiology	Manipal Academy of Higher Education, Manipal and local contributors	Dr. Hemashettar,Retd. Prof & HOD,Department of Microbiology,Chitradurga Medical College, Dr. Arunaloke Chakraborty, Prof & HOD,Department of Microbiology, PGI, Chandigarh, Dr. Anupama Kindo, Professor,Department of Microbiology, Sri Ramachandra University, Chennai, Dr. K L Gupta, Prof & HOD,Department of Nephrology,PGI Chandigarh, Dr M Shenoy, Prof and Head, Dermatology, Yeneppoya Medical College
CME on Polypharmacy in elderly	Pharmacology	ICMR + Pfizer Pharmaceutical company	Eminent speakers included Dr.Priya Vijayakumar, Clinical Associate Professor, Department of Geriatrics, AIMS, Kochi. Dr. Pratibha Pereira, Consultant Geriatrician, Bangalore,
CME on Tobacco Use Cessation: Perspectives and Practice	Pharmacology	Pfizer Pharmaceutical company	Eminent speakers included Dr. Pratima Murthy, Professor of Psychiatry, Centre for Addiction Medicine, NIMHANS, Bangalore, Dr. Mihir N. Shah, Dean and Head, Department of Periodontics & Oral Implantology, Ahmedabad Dental College & Hospital, Hon. Consultant to WHO(HQ) for Tobacco Control

CME on Head and neck cancer	Pharmacology	Biocon Pvt Ltd	Dr. C. R. Tanvir Pasha, Associate Professor, Department of Radiotherapy, Kidwai Memorial Institute of Oncology, Bangalore and Dr. Keerthilatha M. Pai, Associate Dean, Professor and Head, Department of Oral Medicine and Radiology, Manipal College of Dental Sciences, Manipal,
Workshop on "Medico-Legal Education For Police Officers"	Forensic Medicine,	KMC, Mangalore.	
Inter-collegiate Debate Competition on 'Abortion-Rights of Mother vs Rights of Fetus'.	Forensic Medicine,	Manipal Ankur	
CME-Update on Programmatic Management of Drug Resistant Tuberculosis	Community Medicine	The International Union Against Tuberculosis and Lung Disease	Dr. Ramakrishna Rao, District Health Officer, DK, Mangalore, Dr Anil, Director, Karnataka STDC, Bangalore,Dr Suresh Shastry, Senior Specialist, State TB Training Centre, Bangalore
PHONOURGERY: CME and Live Surgical workshop	Otorhinolaryngology	Manipal Academy of Higher Education, Manipal, Delegate registration fees, Pharmaceutical company	Dr.Nupur Nerurkar, Dr Jaya Kumar
CME on Cornea & Refractive Surgery	Ophthalmology	Manipal Academy of Higher Education, Manipal Delegates free	Dr. Sathyamurthy, Dr. Bela, Dr. Anand, Dr. Santhosh
Annual Conference of ISSH	Orthopaedics	Delegate fees and Sponsorship	Dr Marco from Serbia, Dr Huber from Austria. Dr Andrew Bird from Honghong,Dr Marc Garcia elias from Spain
DOCENDO DISCIMUS –2014 Postgraduate Training Programme: Sushrutha Hall, KMC Attavar Hospital, Mangalore	Pediatrics	Manipal Academy of Higher Education, Manipal	Dr.M.D.Ravi, Dr.Vijaya Shenoy, Dr. Nalini Bhaskaranand
KARNEOCON -2014: Conference at Dr.TMA Pai Convention Centre, Mangalore	Pediatrics	MCI / Manipal Academy of	Dr Kartick Nagesh, Dr Ranjan Pejawar, Dr Swana Rekha Bhat, Dr Suman Rao

		Higher Education, Manipal	
Advance NRP - Workshop ,Medical Education Unit	Pediatrics	-	-
MAC 2014	Anaesthesiology	Manipal Academy of Higher Education, Manipal	
World Anaesthesia Day	Anaesthesiology	Manipal Academy of Higher Education, Manipal	
Workshop on Drug Abuse and its Management		KMCH, Mangalore	
PG CME Dementia	Psychiatry	KMCH, Mangalore	
E-Dermatology	Dermatology	Manipal Academy of Higher Education, Manipal	
International CME on Paediatric Neuroradiology	Radiodiagnosis	KMC Mangalore	**Dr Raghu H** Ramakrishnaiah MBBS FRCR, **Dr Shriharsha MD, Fellow Neuroradiology, University of Minnesotta, USA**

Department of Geopolitics & International Relations, SOC - Manipal- 1

Conferences/Seminars/ Symposia/Workshops Organized By The Department		
Name of the Conference/Seminar/ Symposia/ Workshop	**International/National/Regional**	**Month and year**
National Seminar on the theme 'China's Strategic Rise and its Implications for India with a Focus on Northeast Security'	National	March 2014

School of Regenerative Medicine, MHB - 5

Five workshops conducted for providing training in adult stem cell and embryonic stem cell culture and characterization techniques sponsored by BD Biosciences and Life Technologies.

Annexure - IV

Outstanding Achievements / Recognition by faculty at national and international level	National			International		
	2012	2013	2014	2012	2013	2014
Manipal College of Allied Health Sciences, Manipal	0	2	8	3	2	1
Manipal College of Dental Sciences, Manipal	17	16	30	2	3	3
Manipal College of Dental Sciences, Mangalore	0	0	0	0	0	0
Manipal College of Nursing, Manipal	1	2	2	0	0	1
Manipal College of Nursing, Mangalore	0	0	0	2	0	0
Manipal College of Pharmaceutical Sciences, Manipal	4	8	10	1	1	0
Kasturba Medical College, Manipal	4	6	8	3	1	1
Kasturba Medical College, Mangalore	1	3	4	0	1	7
School of Life Sciences, Manipal	1	3	4	1	1	4
School of Information Sciences, Manipal	0	0	0	0	0	0
Melaka Manipal Medical College, Manipal	0	0	0	0	0	1
School of Communication, Manipal	0	0	0	0	0	0
School of Management, Manipal	0	0	0	0	0	0
School of Regenerative Medicine, Bangalore	0	2	0	0	1	1
Manipal Institute of Technology, Manipal	1	1	1	7	3	11
Faculty of Architecture & Planning, Manipal	0	1	0	0	0	1
Welcomgroup Graduate School of Hotel Administration	0	0	1	0	0	1
Department of Atomic & Molecular Physics(DAMP)	0	0	0	0	0	0
Department of Commerce	0	0	0	0	0	0
Department of European Studies	0	0	0	0	0	1
Department of Geopolitics & IR	1	0	1	6	3	1
Department of Library & Information Sciences	0	0	0	0	0	0
Department of Natural Sciences	0	0	0	0	0	0
Department of Philosophy & Humanities	0	0	0	0	0	0
Department of Public Health	0	0	0	0	0	1
Department of Statistics	1	2	1	3	4	6
Department of Virus Research(DVR)	0	0	0	0	0	0
Total	**31**	**46**	**70**	**28**	**20**	**41**

Annexure – V

Alumni Awards and Achievements

MEDICINE

Dr. Rajasekharan P Warrier

Dr. Rajasekharan P Warrier, former Vice-Chancellor of Manipal University graduated with honors from Kasturba Medical College, Manipal/Mangalore in 1963. We take this opportunity to announce that, Dr. Warrier has been awarded with AOA Volunteer Faculty Award 2013. AOA is a national medical students association of exemplary medical students. This is fourth teaching award he is receiving from Tulane University, Ochsner Clinic,U of Queensland.- **1 International**

Dr. Satheesha Nayak B

1993 Batch of KMC Manipal
Professor of Anatomy, Melaka Manipal Medical College, Manipal
Dr. Satheesha Nayak B., Professor of Anatomy, Melaka Manipal Medical College, Manipal Campus received Dr. Prakash HS gold medal for publishing maximum number of research papers in a year. This award is given to the life member of Karnataka Chapter of Anatomists for publishing maximum number of research papers in a year in indexed journals. This was given to him at the 17th annual conference of Karnataka Chapter of Anatomists, held at SSMC, Tumkur from 25th to 27th of September 2015.
– **1 National**

Dr. Satheesha Nayak is an alumnus of KMC Manipal. He completed his M.Sc. in Anatomy in the year 1993 and Ph.D. in the year 2000. He received the "Distinguished Alumni award" in the year 2003. – **1 National**

As an active researcher, he has published more than 250 research papers in reputed international journals. He has successfully guided 8 PhD projects and many undergraduate research projects. His Ph.D. candidates have bagged prestigious "TMA Pai gold medal for Best research paper" 3 times. Apart from the awards for his research, he has also received "Good teacher award" from Manipal University for 5 consecutive times. – **1 National**

Unni Krishnan Karunakara

MBBS 1989
Assistant Clinical Professor, Mailman School of Public Health, Heilbrunn Department of Population & Family Health
Dr Unni Karunakara recently ended a three-year term as International President of Nobel Peace Prize winning Doctors Without Borders/ Médecins Sans Frontières (MSF). – **1 International**

DR ANNAPOORNA KINI

MBBS-1991Batch
Assistant Director, Mount Sinai Medical Centre in New York

Dr. Annapoorna Kini serves as a Professor of Medicine, Director of Cardiac Catheterization Laboratory and Director of interventional cardiology fellowship at The Mount Sinai Medical Center. Dr. Kini is an international leader in the field of percutaneous coronary intervention and heart valve therapy.She has an extensive experience with the techniques of mitral and aortic balloon valvuloplasty, and has been among the first interventional cardiologists in the country to use transcutaneous aortic valve implantation procedure in the treatment of unoperable patients with critical aortic stenosis. Kini enjoys racquetball and recreational jazz dancing. – **1 international**

Sharan Shivraj Patil

1990's Batch
Chairman, Sparsh Hospital
Dr. Sharan Shivraj Patil was born in the district of Raichur in the state of Karnataka, India. He is an Indian philanthropist and orthopaedic surgeon and is now the Chairman of Sparsh Hospital.Sharan Patil completed his post-graduate degree at Kasturba Medical College Manipal and graduated with a diploma in orthopaedics in 1990. – **1 National**

Dr. Umeshray Pai

KMC Manipal Batch of 1963
Physician of anesthesiology, University of Cincinnati – **1 international**
Worked with over 3000 cadavers, taught thousands of Medical students the fine art of cadaver dissection

Sheikh Muszaphar Shukor

Kasturba Medical College, Manipal Batch of 1972
Orthopaedic Surgeon, Universiti Kebangsaan Malaysia
Winner of Leonov Award 2010 by Association of Space Explorers – **2 international**

Dr. Unni Karunakara

Dr. Unni Karunakara ended a three-year term as International President of Nobel Peace Prize winning Doctors Without Borders/ Médecins Sans Frontières (MSF) last month. He has been involved with MSF since 1995, when he set up a tuberculosis control programme in Ethiopia. He went on to work as a medical coordinator for MSF programmes in Azerbaijan, Brazil and the Democratic Republic of Congo. Dr Karunakara has also worked in MSF's public health department in Amsterdam, moving on to become medical director of MSF's Access Campaign. In 2007, he was part of the medical emergency response team that treated victims of cyclone Sidr in Mathbaria, Bangladesh.

Outside of MSF, Dr Karunakara has held various academic and research fellowships at universities in Africa and Europe. His research focused on the demography of forced migration and the delivery of healthcare to neglected populations affected by conflict, disasters and epidemics. Before becoming MSF's International President, Dr Karunakara was the Deputy Director of Health of the Earth Institute, Millennium Villages Project, at Columbia University in New York, and Assistant Clinical Professor at the Mailman School of Public Health, Columbia University.

Dr Karunakara holds an MBBS from KMC, Manipal, India in 1988, an MPH from Yale University and a doctorate in public health from Johns Hopkins University in the United States.
Over the next 4.5 months, Dr Karunakara is fulfilling a 25-year dream of cycling across India. He will take to the road on a bicycle to travel 5,000 kilometers through ten states beginning in the city of Srinagar on October 12 and ending in Thiruvananthapuram. His motivation is to spark a dialogue with the general public, medical students, and healthcare providers on health, healthcare, and humanitarianism.
In all, Dr Karunakara will make stops at 65 cities, towns and villages; speak at ten medical colleges; host nine film screenings and Q&As with Alliance Française to meet people and listen to their thoughts on health; encourage medical students to be medical humanitarians and to start conversations about the humanitarian impulse that leads to action. In appreciation of the contribution to the profession and his valuable services to the society, Manipal Univesity has conferred him with "Distinguished Alumnus Award" during Alumni Meet -2013 at Manipal.

Dr. Anupam Agarwal

Dr. Anupam Agarwal, M.D., a noted physician, scientist and academic leader, has been named interim senior vice president of Medicine and dean of the School of Medicine at the University of Alabama at Birmingham. Dr. Agarwal's appointment follows the selection of former Dean and Senior Vice President Ray L. Watts, M.D., as the seventh president of UAB.
Dr Agarwal is the Marie S. Ingalls Endowed Chair in Nephrology Leadership and director of the Division of Nephrology. He is also vice chair for Research in the Department of Medicine and served as interim chair of Medicine from August 2011 until August 2012. "Anupam is an outstanding leader. He has the respect and admiration of his colleagues and he is a stalwart advocate for UAB. He was an obvious choice to be the interim senior vice president and dean," said Watts, who served in those roles from October 2010 until his appointment as president. "With Anupam, the School of Medicine will not stand still; it will continue to gain momentum toward our strategic goals."
"It is an honor to be named interim dean of the UAB School of Medicine," Dr Agarwal said. "Dr. Watts has laid a clear and progressive path toward even greater success for the School, and we will keep moving forward along that path."
Agarwal graduated with honors from Kasturba Medical College in India. He completed his residency and a fellowship in nephrology at the Postgraduate Institute of Medical Education and Research in India. He completed another fellowship at the University of Minnesota Hospital and later served on the faculty at the University of Florida. Agarwal joined UAB as an associate professor in 2003 and was promoted to professor in 2005. He was appointed division director for Nephrology in 2008 and vice chair for Research for the Department of Medicine in 2009. He was appointed to the Marie S. Ingalls Endowed Chair in Nephrology Leadership in April 2011.
Agarwal's clinical and basic science interests center around acute kidney failure. He also is director of the NIH funded UAB-University of California San Diego O'Brien Core Center for Acute Kidney Injury Research. He is an elected member of the American Society for Clinical Investigation and recipient of multiple awards including the 2012 Dean's award for excellence in leadership and the 2013 Graduate Dean's award for excellence in mentorship.

Professor Shivananda Nayak

KMC Alumni honoured with Vice-chancellors award for Excellence in teaching
Professor Shivananda Nayak, alumni and ex staff of KMC Manipal is being honoured for excellence in teaching. The award ceremony was held on 23rd October, 2013. This ceremony was witnessed by Finance minister of Republic of Trinidad and Tobago, scientists, doctors, professors, and Indian doctors and

academicians working in Trinidad. This award is given every year in the University of West Indies which comprises four campuses. This is the first time that a lecturer from Karnataka getting this prestigious award. He is also the Winner of the 2010 UWI/Guardian Life Premium Teaching Award and the 2010/2011, Pre-Clinical Medical Sciences Student's Award for the Most Effective Lecturer, Professor Nayak has made significant contributions to Teaching and Research in the medical field during his tenure of office at The UWI and while in Manipal University of India – testimony to more than two decades of excellent teaching.

Dr. Prashanth Bhatia

Dr. Prashanth Bhatia, has been working as an Ophthalmologist for nearly 15 years in hospitals across India, the UK and Dubai. After completing his Masters in Ophthalmology from KMC, Manipal in 1998, he went on to do his super specialization in Glaucoma at LV Prasad Eye Institute, Hyderabad, India in the year 2000. He has also done a surgical fellowship in Phacoemulsification from the Rotterdam Eye Hospital in 2001.

Dr. Bhatia, is not only an accomplished surgeon himself, but also, has been instrumental in training eye care professionals around the world. In 2011, he volunteered as a faculty on board the ORBIS flying eye hospital – the worlds only airborne Ophthalmic training facility that provides hands on training and conveys the latest medical knowledge to treat patients and restore sight. He is currently the medical director of a multispecialty eye clinic named VISTA health care clinic in Dubai, UAE and is on the advisory board of the prestigious American Academy of Ophthalmology.

Dr. Naveen Gopal

Dr. Naveen Gopal, completed his Master degree in Ophthalmology from Kasturba Medical College, Manipal in 2008 following which he did a fellowship in Phacoemulsification in Lions Eye Hospital, Bangalore. He is currently the Regional Head of Vasan Eye Care Hospital in Mangalore, Madikeri, R T Nagar, Bangalore & Mysore. Vasan Eye Care is the World's largest Eye care network with top notch infrastructure and facilities that are in par with international standards. Dr. Naveen specializes in Phaco refractive surgeries with a special focus on ICLs. – **1 National**

Dr. Sharat Babu Chilukuri

Dr. Sharat Babu Chilukuri did his Masters in Ophthalmology from Kasturba Medical College, Manipal in 1989-1992. He has been awarded best private practitioner from Ex-Chief Minister, Nara Chandra Babu Naidu and elected for member of scientific committee. Also Awarded 2nd Best Rotary Governor in the world for the year 2008-2009. He has established his own hospital called "Sharat Laser Hospital" at Warangal and about 10000 patients were operated in free eye camps. Now he is unanimously elected President for Andhra Pradesh Ophthalmological Society for the year 2014-2015. – **3 national, 1 international**

Dr. Chythra R. Rao

Dr. Chythra R. Rao, Associate Professor, Department of Community Medicine, Kasturba Medical College, Manipal has been awarded the Karnataka Association of Community Health – Young Scientist Award 2013, at the 25th Annual Conference of Karnataka Association of Community Health, held at Bangalore Medical College & Research Institute at Bangalore on November 30th & December 1st 2013. She has three ongoing

ICMR projects and twelve research publications to her credit, in addition to thirteen conference presentations at various international & national conferences. – **1 national**

Dr. Kavitha Saravu

Dr. Kavitha Saravu (right) with Dr Arti and John Williams of London School of Hygiene and Tropical Medicine

Dr. Kavitha Saravu, Associate Professor, Dept. of Medicine, KMC, Manipal was awarded "ICMR International fellowship for Young Biomedical Scientists-2012" by the Indian Council of Medical Research, from April 2013 to June 2013. She also was a "Visiting Professor of Medicine" in Yale during the above said period and I was associated with Program of Applied Translational Research in Yale School of Medicine, Connecticut, USA. It is an Ivy League institute, to which top 10% of USA/ global aspirants get admission. – **1 national, 1 international**

Dr. Pratap Kumar

Dr. Pratap Kumar, MD, DGO, FICS,FICOG, Professor , Department of Obstetrics & Gynaecology, Kasturba Medical College , Manipal has won the National Body of the Federation of Obstetrics & Gynecological Societies of India (FOGSI) has awarded "Late Prof. D. Kutty Annual Life Time Achievement Award" to him in the year 2010-2011 for the services rendered to the national body at Varanasi during the 55th All India Congress of Obstetrics & Gynaecology on 30th January 2012 by President of National body Prof. P. K. Shah.

He is also awarded membership of National Academy of Medical Sciences Convocation at Chennai on October 13, 2012.

Best review paper award:

1. Comparison of human chorionic gonadotropin and gonadotropin releasing hormone agonists as ovulation trigger in assisted reproductive technology cycles an update. Indian Obstetrics and Gynaecology. Vol 2 (2);6-9: Apr-Jun 2012 presented at New Delhi on 5th October 2013.

Membership:

2. Elected member of ICMR's Project Review Group (PRG) on Women's Health from 2013. – **4 national**

Dr. Suma Nair

Dr. Suma Nair, Associate Professor – Community Medicine, KMC, Manipal was awarded a fellowship as the IAEA PACT (International Atomic Energy Agency Programme of Action for Cancer Therapy) nominee for the "Cancer Prevention Course" at the National Cancer Institute, NIH, Bethesda, USA, August 2013. – **1 International**

ENGINEERING

Rajeev Suri

Batch of 1986
CEO, Nokia
Mr. Rajeev Suri, BE (Electronics & Communication Engineering) MIT Manipal was appointed as Chief Executive Officer (CEO), Nokia Siemens Networks. -- **1 International**

Satya Narayana Nadella

MIT Manipal 1988
CEO, Microsoft
At Microsoft Nadella led the development of one of the largest cloud infrastructures in the world. -1 **International**

Vijay K

1987 - 1991
Sr. Director Global Supply Chain, Levi Strauss & Co
Mr. Vijay K is one of our alumni of MIT and is now the Sr. Director Global Supply Chain At Levi & Co . --
1International

He has gained experience in Medical Surgical Distribution Broadlane ,Cap Gemini, E & Y, Pepsico .

Deepak Babani

1970-1975
Chief Executive Officer, Eros Group
Deepak Babani has won several awards like

1) Top Indian Leaders in the Arabian World 2014,5th Ranking among CEO's Forbes Middle East May 2014
2) Consumer Electronics CEO of the year 2014 Arabian Business February 2014.
   He is an alumni of 1970's batch Manipal Institute of Technology Bachelor Of Engineering, Electronics and Communication – **2 International**

Rajeev Chandrasekhar

Rajeev Chandrasekhar is an Independent MP in Rajya Sabha from Bangalore, Karnataka, elected for a second term in 2012, unopposed and unanimously supported by all major political parties. He is, however, not a conventional MP. Son of a senior Air Force officer born in Ahmedabad, Rajeev is an Electrical Engineering from Manipal Institute of Technology (batch of 1983) and later moved to Illinois Institute of Technology in US where he did his Master's in Computer Science, and then to Harvard University for an Advanced Management Programme Degree.

Hand-picked by Vinod Dham - the father of the Pentium chip - to work at Intel after his graduation from Illinois Institute of Technology, Rajeev was a member of the architecture team in Silicon Valley that invented the 486 chip and later, Intel's signature Pentium chip. He chased his entrepreneurial dream when he returned to India in the early 90s. In 1994, being one of the earliest to see the potential of cellular phones in the Indian market, Rajeev founded BPL Mobile, giving the country its first and largest world-class telecom network. Rajeev is known as the poster boy of India's telecom revolution and is widely recognized for his role in the development of the now thriving telecom sector.

In 2005, he set up Jupiter Capital, with a vision to foray into businesses of tomorrow in emerging new markets of globalizing economy of India. Jupiter Capital, which was established with an initial investment of US$100 million, currently has investments and managed assets of over 1 Billion USD ranging from technology to transportation, logistical services to hospitality and entertainment. In the world of media, Kannada Prabha, Suvarna News and Asianet TV channel alongwith Indigo FM station in Bangalore and Goa have established themselves as major players.
Conscious of obstacles faced by first time entrepreneurs Rajeev has, in the last few years, invested resources and time to identify young entrepreneurs across India, including in the neglected parts of the North East. The overwhelming response of young entrepreneurs to his initiative for nurturing entrepreneurs in Nagaland, will soon see this programme extend to Karnataka and Kerala.

Rajeev's entrepreneurial zeal and major initiatives have won him all round recognition and awards. These include the Honorary Doctorate from Vishweswarya Technical University in Karnataka last year and the Illinois Institute of Technology's Global Service Alumni Association honour. He was also nominated for UK's prestigious Index Freedom of Expression Award for 2013, in the category of Digital Freedom for fighting against internet censorship in India and challenging legislation that will stifle digital freedom.

Rajeev served as the youngest President of FICCI – India's apex industry chamber in 2008-09. A strong votary of good governance through institutional reforms, he has been vocal and articulate on issues of reforms, governance and economy inside and outside Parliament. He was the first MP to come out with a "Report Card" on his performance at the end of his first term as Rajya Sabha member in 2012.
Rajeev has been a consistent supporter of armed forces inside and outside Parliament. Through Flags of Honour Foundation, he has reached out to armed forces personnel and their families fighting for their cause. It is at his initiative that Independent India's first War Memorial is taking shape in Bangalore and is expected to be opened to public soon. Rajeev has also been a member of the PM's Council on Trade and Development, Chairman of Karnataka Government's Infrastructure Task Force, Member of the Parliamentary Standing Committee on IT and Member of Parliamentary Forum on Youth.
In appreciation of the contribution to the profession and his valuable services to the society, Manipal Univesity has conferred him with "Distinguished Alumnus Award" during Alumni Meet -2013 at Manipal.
– 5 national

MIT alumni have won the prestigious Microsoft Imagine Cup 2013, St Petersburg Russia. The team represented India at the Imagine Cup in Windows Azure category with our product "Zoik It" which is a dynamic and real-time mobile social networking application built with an intention to bridge the gap between the Online Social Networks and Real Physical world, so that being social does not get confined to being in front of your Computer Screen. Competing in Imagine Cup was a life changing experience and reaching a destination to represent our country which has been sought after by other 1.65 million previous applicants was an honor itself. They won the "Windows Azure" category in Imagine cup this year carrying a cash prize of 10,000 USD for using effectively using Cloud Computing to build an enterprise level scalable application. They also won the "Connected Planet Award" worth 10,000 USD from Microsoft

Corporation & Mail.Ru group for using technology to make internet more fun and open. They also got a host of other benefits to help their development and scaling up needs apart from the wonderful mentorship and feedback from some of the best in the field.

Mirza Faizan

A prominent alumnus of Manipal Institute of Technology Mirza Faizan is an Indian aerospace scientist, innovator and technology entrepreneur. Faizan has about 10 years of extensive experience working on defense, aerospace and mission critical embedded systems. He has worked for Defense Research & Development Organization, Satyam Computers, Honeywell & Airbus - France on various aerospace projects. He possess expertise in avionics systems design & development which includes Flight Management System (FMS Navigation & Guidance), Cockpit Display System (Primary Flight Display & Multi Function Display), Traffic Alert & Collision Avoidance System (TCAS), Enhanced Ground Proximity Warning System (EGPWS Mode 1 to Mode 5), Centralize Monitoring System (CMS) to name a few. Today, many next generation fly-by-wire aircrafts like Airbus A-380, Airbus A-350 and Boeing 787 are flying on systems designed and developed by Faizan and his team. He is an expert of aerospace systems development standard prevailing in US & European countries.

Faizan is also an air-crash investigator with specialization on Black-box data analysis, Root Cause Failure Analysis (RCFA) and have participated in analysis of some recent high-profile air-crashes.

Identifying runway incursion as one of the major threat to modern day aviation safety (in 2012, there were 1150 runway incursion incident in US alone!), Faizan started his research and designed a system named as GRIPS (Ground Reality Information Processing System), which is an innovative system to prevent runway incursion and detect foreign object and debris on runways in real time. Working model of GRIPS was developed and demoed in the year 2011.

A GRIP was evaluated by NASA scientists and received international accolades. It was also recommended to National Air Traffic Services in UK. Bangalore International Airport has shown immense interest to install GRIPS and have requested for a pre-order demo. GRIPS was featured in 'Airports International' one of the most reputed aviation journals published from London, UK. In 2009, he founded 'Avembsys' to develop and commercialize GRIPS and have been leading the company.

Currently GRIPS is being accepted by Federal Aviation Administration (FAA), Govt. of USA for evaluation in their pursuit to find the best technology in the world to prevent runway incursion.

Avembsys, under his leadership started India's first Aerospace & Avionics research center in an engineering college campus in Bangalore in 2010, which was inaugurated by Air Vice Marshal Shankar Mani, Director – Aeronautical Development Agency. Faizan has also delivered several talks on innovation & entrepreneurship, the latest one for the Mindtree Global employees through TRIZ India, an innovation platform.

He was nominated and finalist for various national and international awards likes: 'Business Leaders of Tomorrow Award-2011' by Economic Times and Ernst & Young (top 5 in India among 50,000 nominees, Evaluated by the Jury panel which includes Innovation Advisor to the Prime Minister of India), 'NASSCOM Innovation Award -2012, South Asia Innovation Award-2011. He is fondly called as 'Pride of India' by media and in government circles.

Faizan did his schooling from St. Karen's School, Patna and later attended St. Xaviers College, Ranchi. He went on to acquire a Degree from Patna University. Faizan also has a Masters Degree in Computers from Manipal Institute of Technology, Manipal and a certificate in Embedded System Design from the prestigious Indian Institute of Science, Bangalore.

Faizan is an active member of American Institute of Aeronautics & Astronautics. His advices and comments are regularly sought on aviation safety matters concerning Patna Airport. – **2 international**

Mr. Kartavya Mohan Gupta

Mr. Kartavya Mohan Gupta, Alumni of MIT from the Department of Biomedical Engineering (2011 Batch), Presently working as Engineer, Aerospace SWCOE, Honeywell Technology Solutions Lab, Orion Campus, Bangalore. He got two patents for his work:

(i) Aerial Image Segmentation for Refineries:

A system receives a two-dimensional digital image of an aerial industrial plant area. Based on requirements of image processing, the image is zoomed in to different sub-images that are referred to as first images. The system identifies circular tanks, vegetation areas, process areas, and buildings in the first image. The system formulates a second digital image by concatenating the first images. The system creates one or more polygons of the regions segmented in the second digital image. Each polygon encompasses a tank area, a vegetation area, a process area, or a building area in the second digital image, which is a concatenated image of the individual regions. The system displays the second digital image on a computer display device. At the end the system provides statistical data for planning and procurement of devices to be placed around the refinery.

(ii) System and Method for Interactive Image Capture for a Device Having a Camera:

A guidance system is provided for interactive image capture for use with a device having a camera with a camera lens(s). The system includes a housing configured to be mounted on the device, and a light source mounted in the housing. The housing and the light source are configured to project a lighted boundary onto a surface in response to a control signal, with the boundary defining a region of image capture by the camera. The light source is configured to selectively project the boundary in a first color and to selectively project the boundary in a second color, with the first and second colors providing feedback information to a user regarding the statue of image capture by the camera.

-2 national

MANAGEMENT

Aswathi Seluraj

2007-2009 Batch.

Assistant Commissioner, Indian Police Service

Aswathi Seluraj IAS is the Assistant Commissioner of Kundapura Revenue Subdivision. Aswathi hailing from kerala, was an IAS topper. She had early served in Mysore and Delhi. Aswathi Seluraj is an alumni of School of Management, MBA 2007-2009 Batch. – **1 National**

Arvind

2005-07

Asst.Professor, PESITM

1. Awarded Trend Setter as Best Techno Faculty 2015, organised by ICT Academy of Tamil Nadu, initiative from Govt of India – **1 National**
2. Global Laureate "Best Innovation in Teaching Pedagogy 2015", MTC Global – **1 International**

Narasimha Prasad

Batch of 2002
Director-Business Development, Talent First HR Consulting pvt. Ltd – **1 National**
Senior Executive with over 12 years of experience in Strategic planning, Business development, Channel Management, Third party distribution, Corporate marketing, Retail operations, Sales & Marketing

DENTISTRY

Dr. Abhishek Singh

Class of 1994
Endodontics and Dental Implantology, Orasculpt an advanced dentistry and facial aesthetics clinic
Dr. Abhishek Singh has been nominated for Best Young Dentist award in 2010 and 2011 at the Dentistry Awards and has been voted number one on the Dentistry Scotland Top 20 in 2013. – **2 national & 1 international**

Dr. Bhalajhi Iyyer

Class of 1987

Former Registrar in orthodontics with the Ministry of Health, Kuwait
Authored two text books which are now prescribed as standard text books for graduating dentists. – **1 international**

DR SHERENE ALEXANDER

Dr Sherene Alexander successfully completed her Dentistry with the TMA Pai award from the Manipal Academy of Higher Education. – **1 national**

Dr.Jacob Thuranira Kaimenyi

MCODS, Manipal Batch of 1979
Deputy Vice Chancellor (Academic Affairs), University of Nairobi
Cabinet Secretary for Education nominated by Kenyan President. – **2 international**

Dr. U.S.Krishna Nayak

Batch of 1985, MCODS Manipal

Dean academics and head, Dept. of Orthodontics
See more

, A.B Shetty Memorial Institute of Dental Sciences – **1 National**
Elected co-chairman of World Dental Congress, 2014. – **1 international**

Dr. E. Muniratnam Naidu

Manipal College of Dental Sciences, 1976 Batch
Former Vice Chancellor, Meenakshi University
1970 The Governor's gold medal winner. – **2 national**

Dr. Naveen Rai who graduated in the year 1976 worked as a dental practitioner at Puttur, Dakshina Kannada, beyond Mangalore, died of poor health at the age of 70yrs on 23rd March. He has left behind his wife and son who also is a dentist. He was a popular person and had involved himself actively in Rotary Movement organizing many rural dental health camps.

Dr. Anand Kamath

Dr. Anand Kamath who was a brilliant student passed his BDS in 1991, proceeded to UK, joined National Health Services (NHS). During the course of his service, apparently succumbed to stress and was forced to take an extreme step of taking his own life. He has left behind his dentist wife and 2 children. He is died on 11th August 2013.

Dr. C V Diji

Dr. C V Diji passed his BDS in 1994 then was practicing Dentistry in Doha, Qatar died of cardiac arrest during November 2013. He was a popular student who was jovial and friendly. For a short while, he practiced in his home town Kerala also. He has left behind his wife, child and his sister, Dr. Daya who is our alumnus also.

Dr. Nitesh Tyagi

Dr. Nitesh Tyagi, 1997 batch alumnus of Manipal College of Dental Sciences, Mangalore was awarded 'The best Implantologist' at the BIG Research Business & Service Excellence Awards Ceremony in Jaipur on January 7th 2013. Dr. Nitesh Tyagi did his fellowship in implants from ICOI [U.S.A] and Nobel Biocare in 2008. He received his award from Mr. Kris Srikkanth. – **1 National**

Dr. Rajasekhar Nutalapati

Dr. Rajasekhar Nutalapati, 2001 batch Alumnus Received "Dr.Ratan H. Doctor Award 3rd Prize" for Best IDA Member 2011-2012 at the Indian Dental Association Conference, Kolkata held in the month of February 2013. – **1 national**

Dr. Shanti Swarup

Dr. Shanti Swarup 2009 batch Post Graduate Student of Paedodontics & Preventive Dentistry, Manipal College of Dental Sciences, Mangalore,was awarded the "Smt. Vidya Tandon Memorial Gold Medal" for

the Best outgoing Post Graduate student in Pedodontics & Preventive Dentistry at the University examination held during the year 2012, Manipal University – **1 national**

Students of the 2007 batch of Manipal College of Dental Sciences, Mangalore have secured five out of the top ten ranks and total of 20 out of the first 100 ranks in the PGET Dental Exams conducted by the Rajiv Gandhi University of Health Sciences. – **1 national**

Dr. Aarti Goel

Dr. Aarti Goel, stood 1st in PGET entrances examinations. She also stood first at Manipal University PG Dental Entrance Examinations and 4th rank in COMED-K entrance examinations. - **1 national**

Dr. Abhishek Singh

Dr. Abhishek Singh, 1994 MCODS, Mangalore Alumnus has been voted as No. 1 in the Dentistry SCOTLAND'S leading 20, released in the month of June 2013. He has risen to this rank from being 19th in 2012. He has been explained in the press release as a person with wealth of experience in managing complex dental cases. – **international**

Dr. Rahul Nair

Dr. Rahul Nair, Alumnus of batch 1997 visited the Alma Mater and gave an enthusiastic talk titled 'Introduction to Evidence Based Dentistry' on the 23rd December 2013. Dr. Nair is presently working as Assistant Professor, Oral Sciences Department at National University of Singapore. – **1 international**

Information Sciences

Dr Gopal Karemore

2005
Senior Consultant, Novo Nordisk Center for Protein Research & Danish Stem Cell Center
Gopal received B.E. degree in Electronics Engineering from Pune University in 2005 followed by Master of Science degree in Medical Software from Manipal University (School of Information Science) in 2007. While studying at Manipal univ. Gopal received international scholarships from various universities at Canada, Spain, and Denmark. In 2007, Gopal was invited by German govt. research organization (The Fraunhoffer Institute for Algorithm Design and Scientific Computing) to conduct his research on Chemical Structure Reconstruction project for document image analysis. –
1 International

Gopal completed his PhD at University of Copenhagen and co-sponsored by Nordic Bioscience A/S, Denmark under Prof. Mads Nielsen, where his main focus was to quantify the changes in breast parenchymal tissue pattern during the development of Breast Cancer and its effects due to other processes such as exogeneous and endogeneous hormone exposure. Title of his thesis was Computer Aided Breast Cancer Risk Assessment using Shape and Texture of Breast Parenchyma in Mammography. He published

his research in various international journals. – **1 International**

Gopal is also a recipient of various other scholarships as a visiting scholar and have a diverse industrial exposure as follows,

University of Pennsylvania, Radiology Dept. , USA
Siemens Corporate Research, Princeton, USA
National Center for Cardiovascular Research, Spain
Danish Stem Cell Center, Denmark
Novo Nordisk Center for Protein Research, Denmark
Biomediq A/S, Denmark - **6 International**

GE Global Research, Bangalore, India
Philips Medical System, Bangalore, India
DRDO (Vehicle Research Development Establishment), India. – **3 National**

His research interest includes Microscopy/Medical Image Analysis through computer vision and machine learning, Biostatistics, Imaging Biomarker, High Content Screening, Laser Spectroscopy data analysis using advance computational techniques. Currently he is working as a Senior Consultant at Novo Nordisk Research Center managing Image Analysis activities under Protein Imaging Platform.

Allied Health Sciences

Anusha Thomas

2003 – 2005 Master's degree, Audiology/Audiologist and Speech-Language Pathology/Pathologist Visiting Scholar, University of Texas –
Currently she is a visiting Scholar,University of Texas at Dallas
She took phd,Communication Disorders from the University of Nebraska-Lincoln 2008 – 2013. - **3 International**

Pharmaceutical Sciences

Kaushik Suryakant Desai

Manipal College of Pharmaceutical Sciences batch of 1976
Honorary Secretary General, Indian Pharmaceutical Association – **1 National**
Over 30 years of multifunctional experience in reputed Pharmaceutical multinational companies like Sanofi, Wyeth, Johnson & Johnson, Global Pharmatech and with herbal company, Charak. – **1 International**

Dr. S Eswara Reddy

Dr. S Eswara Reddy

MPharm Batch of 1992- 1994
Joint Drugs Controller of India, CENTRAL DRUGS STANDARD CONTROL ORGANIZATION
Best Drugs Inspector award winner in 2005. – **2 national**

Dr. Richard Lobo

Dr. Richard Lobo, Associate Professor, Department of Pharmacognosy, Manipal College of Pharmaceutical Sciences, Manipal University, has received a research grant of Rs. 18, 50,000/- (rupees eighteen lakhs fifty thousand) from the Department of Science and Technology (DST), Science and Engineering Board (SERB), Government of India, for a period of three years. Dr. Lobo is an alumnus of Manipal College of Pharmaceutical sciences and published more than 40 research and review articles in various national and international journals with good number of citations. He is also serving as the Associate Editor and Honorary Advisory Editorial Board member for the Journal BMC Complementary and alternative Medicine, a Bio Med Central series of publication and Journal of Pharmaceutical crops a Bentham science publication respectively.- **1 national**

LIFE SCIENCES

Ms. Dhanya K Nambiar

of 2003-06 BSc Biotechnology batch and M.Sc. Medical Biotechnology (2006-08 Batch) has been selected for the award of Fulbright-Nehru fellowship 2013-14. She is currently, a Ph.D scholar in the Cancer Biology Laboratory, School of Life Sciences, Jawaharlal Nehru University New Delhi. She will be carrying out research at the University of Colorado, Denver, Colorado State, USA during the Fellowship lasting nine months. She will receive travel grant and Fellowship during this period from the United Statse-India Educational Foundation (USIEF). **1 national, 1 international**

Dr. Gayatri

was student of MLSC during 2002-05 (B.Sc) and 2005-07 (M.Sc.). Ms. Gayatri Sankaran has graduated with a Ph.D. in Environmental Toxicology from the University of California, Riverside, USA. She performed her research from September 2008 - December 2012 under the guidance of Dr. Robert Krieger and Dr. David Eastmond at the University of California Riverside. Her work was on "An Evaluation of the Importance of Hand Exposures Using Rubber Latex Gloves as Sampling Dosimeters for Assessing Pesticide Exposures in Strawberry Harvesters". - **1 international**

Taronish Dorab Dubash

is an alumnus of School of Life Science, Manipal. She was B.Sc. Biotechnology student from 2005-2008. She did her M.Sc. from Manipal Institute of Regenerative Medicine, Bangalore and secured the first position. She obtained a scholarship from the German Cancer Research Center in 2010 for her PhD studies. She is currently in her fourth year of her doctoral studies in the Department of Translational Oncology at the National Center for Tumor Diseases, German Cancer Research Center (DKFZ), Heidelberg, Germany. Her doctoral thesis is titled as 'Characterization and targeting of the human colon cancer initiating cell compartment' under the supervision of Prof. Hanno Glimm headed by Prof. Christof von Kalle. Taronish

Dorab Dubash, an alumnus of SoLS, is a co-author in a paper in Nature communications-28 October 2013. Title of the paper is " Wnt secretion is required to maintain high levels of Wnt activity in colon cancer cells". Voloshanenko, Oksana; Erdmann, Gerrit; Dubash, Taronish D; Augustin, Iris; Metzig, Marie; et al. Nature Communications, 4 (Oct 2013): 2610- **1 international**

Ms. Smitha Bhat

from School of Life Sciences, Manipal won the award for her poster titled "Influence of Inflammation on DNA Methylation in Asthma" at the "Amrita Bioquest 2013" International Conference on Biotechnology for Innovative Applications, held on August 10-14, 2013 at, Amritapuri, Kollam, Kerala. She completed B.Sc (2004-07) and M.Sc. Medical Biotechnology (2007-09) from School of Life Sciences.- **1 national**

Advait Subramaniam

recently won a poster competition and got featured in a press release of the website - http://abcd-it.org/#DOTT2013_AW. His poster entitled "Understanding the role of the SAPK/JNK Pathway in the quality control of ΔF508-CFTR" has won him this distinction at the Premi "Joint National Ph.D. Meeting" (Pesaro, 10-12 October 2013). Advait was in M.Sc Medical Biotechnology during 2010-12.- **1 national**

Mr. Sanjiban Chakrabarty

Manipal University awarded the Degree of Doctor of Philosophy to Mr. Sanjiban Chakrabarty for his thesis entitled "Construction and characterization of Human BAC Library". He carried out his doctoral research under the guidance of Professor Satyamoorthy, Director, School of Life Sciences, Manipal. -**1 national**

Hotel Administration

Mr. Sujith Kumar

WGSHA alumni of the 1988-91 batch was conferred with Distinguished Alumni award during Annual Day function held on Feb 20th, 2013 at college premises. – **1 national**

Mr. Vikas Khanna

one of the distinguished alumnus awardees visited the college and addressed the students. He conducted a programme for FOX TRAVELLER Television show on Oct 2013.

Communication

Mr. Swetank Jain (MS Com - 2002-04 batch) has started his career in CNBC as a journalist and later became Bureau Chief for Mumbai reporting team of CNBC Awaaz. He is currently the Chief Communications Officer, Future Group, India's largest retail company that runs stores like Big Bazaar, Central, Pantaloons, Brand Factory, Home Town and eZone. - **1 national**

Ms. Snehapriya Nayak Pangal (2002-04 batch) has started her career in relationship management, involving sales and marketing. She is currently the Assistant Vice President - Customer Trade & Forex Group (Treasury) for Axis Bank Ltd, Corporate Banking, Bangalore. - **1 national**

Ms. Nithya Menen (BAJC – 2006-09 batch) is an Indian film actress and playback singer, who has worked in the South Indian film industry (Malayalam, Telugu, Kannada & Tamil). She has received both critical acclaim and commercial success. She is the recipient of Nandi Award for Best Actress. - **1 national**

Nursing

Ms. Preethy D'souza alumna of MCON has awarded best essay on " HOW EVIDENCE CHANGED THE PRACTICE" organized by Centre for Evidence Based Medicine , Oxford University, United Kingdom, March,2013 and received Conference Fellowship for the International Conference- Evidence live 2013, Oxford University, United Kingdom, March,2013.

Poster presentation

Preethy Dsouza, Anice George, Sreekumaran Nair, Judith Noronha. Development and determination of the effectiveness of a multilevel integrated training program in Evidence Based Practice among nurses in academic and clinical settings of an Indian University" - A pilot project, International Conference- Evidence live 2013, Oxford University, United Kingdom, March,2013. **– 1 national**

Paper presentation and best paper award:

Preethy Dsouza, Sreekumaran Nair, Judith Noronha, Baby Nayak, Anusha Mujja, Unnikrishnan B
" Effective Interventions for preventing childhood obesity in South Asian region – A Systematic review of available evidence". International Conference on Inequity in Maternal and Child Health – Situations and Solutions, 30th Nov, 1st Dec, 2013, Ahmedabad, India. –

Poster presentation:

Preethy Dsouza, Sreekumaran Nair, Judith Noronha, Baby Nayak, Anusha Mujja, Unnikrishnan B"Challenges in building complex search strategies in Public health systematic reviews". International Conference on Inequity in Maternal and Child Health – Situations and Solutions, 30th Nov, 1st Dec, 2013, Ahmedabad, India. **-2 international**

Jewellery Design and Management

Mr. Shashikanth (2006 batch) Mr. Aditya (2009) has appointed as Faculty, Jewellery Design Institute, Botho University, Botswana. - 1 international

Ms. Amritha Mallya (2005 batch) has promoted as Senior Merchandizing Officer, Blue Stone. - **1 national**

- **Ms. Gauri Parmar (2009 batch) has appointed as** Visual Merchandizing Officer, Tanishq (TITAN).

- **Mr. Dinu D (2010 batch)** has appointed as Designer of Tanishq (TITAN).
- **Mr. Varun Mahesh (2005 batch)** is the Proprietor of M/s. Varuns Gems & Jewellery at Hosakote.
- **Mr. Deepak Ramdas Nayak (2005 batch)** is the Managing Partner of Swarna Jewellers at Udupi.
- **Mr. Sudhanva Acharya (2006 batch) has** managing partner of Lakshmidas Jewellers at Puttur. – **4 national**

National : 56
International : 42

ANNEXURE - VI

Institution	Year	Name of the Event	Position	Type of the event
Kasturba Medical College ,Mangalore	2014-15	Silhouettes, AFMS Pune (2015)	1	National
		SPANDAN Inter Medics Tournament, JIPMER Pondicherry (2015)	1	
		PULSE Inter Medics Tournament, AIIMS Delhi (2015)	1	
		MIST KMC Manipal (2014)	3	
		SPANDAN Pondichery (2014)	2	
		PULSE AIMS DELHI (2014)	10	
Manipal College of Pharmaceutical Sciences	2014-15	Squash (Anuvrinda C, Pharm D Student)	Runner Up	National
School of Regenerative Medicine	2014-15	Fujio Cup at chennai	1	National
Welcomgroup Graduate School of Hotel Administration	2014-15	Pastry Competition (Skill Competition)- National	1	National
		World Skill Competition – 2015 (India)	1	National
Kasturba Medical College, Manipal	2014-15	Nitte Accolades Badminton(W) tournamnet	Winner	State
		Inter Medics Badminton (W) tornament Singles	""	National
		Inter Medics Tennis(M) tornament Singles	""	""
		Inter Medics Tennis(W) tornament Doubles	""	""
		South Zone Inter University, Badminton (men & Women) – at Bharathiar University Coimbatore, Tamil Nadu	Boys- 4th place Girls- 3rd place	
		Squash Racket (men & women) All India Inter University Championship - at Anna University, Thanjavur, Tamila Nadu	Boys- 3rd Girls- 2nd	
Manipal Institute of Technology	2014-15	Aviator Design Challenge	1	National

		Jk tyre formula Design Challenge	1	National
		Techfest IIT Bombay (sola car)-UJWAL	1	National
		RHYTHM,Revels- the National Cultural and Sports Festival of MIT,held from 19th to 22nd March 2014	1	National
		Jugalbandiv(instrumental), Revels- the National Cultural and Sports Festival of MIT,held from 19th to 22nd March 2014	1	National
		Alankaar(eastern vocal), Revels-the National Cultural and Sports Festival of MIT,held from 19th to 22nd March 2014	1	National
		Jummaring - Xventure, Revels-Cultural festival of MU, held between 20th -23rd March, 2013	1	National

2013 - 14

Kasturba Medical College ,Mangalore	2013-14	MIST KMC Manipal (2013)	2	National
		JIPMER Pondicherry, SPANDAN Inter Medics Tournament (2013)	2	
		Promethives Inter Medics Tournament - MS Ramayya College Bangalore (2013)	1	
		PULS All India Medical College Fest - New Delhi (2013)	2	
Manipal College of Nursing ,Manipal	2013-14	Mega Imprintz	Winner of overall championship	Natioanl
		State Nurses's Association-Shourya and Josh	1st place, 1st runner up , 2nd place and runners up for	State level

			overall championship	
		State Nurses's Association-Shourya and Josh	1st and 2nd runner up	""
Melaka Manipal Medical College,Manipal	2013-14	Football (men)	1	Inter-collegiate level
		Badminton(men)	1	""
		Athelitic (women)	1	""
School of Regenerative Medicine	2013-14	Fujio Cup at chennai	1	National
Kasturba Medical College-Manipal	2013-14	Inter Medics Tennis (M) Tournament	Winner	""
		Inter Medics Volleyball(W) Tournament	""	"
		Inter Medics Basketball (M) tournament	"	"
		Inter Medics Cricket (M) tournament	"	"
		Inter Medics Tennis (W) Tournament	"	"
		Inter Medics Badminton (W) Tournament	"	"
		Nitte Accolades Basketball (M) tournament	Winner	State
		Butterfly stock in All India Inter University Swimming Championship at Guru Nanak Dev University, Amritsar	9th	

2012 -13

Kasturba Medical College ,Mangalore	2012-13	APMC Inter Medics tournament organized by APMC Poona (2012)	1	National
		JIPMER Pondicherry, SPANDAN Inter Medics Tournament (2012)	2	
Manipal College of Pharmaceutical Sciences	2012-13	20-20 Pharmacy Cricket Cup	Semi Final	

	2012-13	Chess - South Zone Inter University 2012-13 at Calicut University, Kerala - won the 3rd place in first board by securing 7 points out of 9 points	11th	
Kasturba Medical College-Manipal	2012-13	Inrer Medics Basketball (W) tournament	Winner	National
		Inter Medical Basketball (W) tournament	"	"
Manipal Institute of Technology	2012 -13	Satrangi, Revels- Cultural festival of MU, held between 28th – 31st March 2012.	1	National

ANNEXURE - VI A

Deputy Registrar

From: "Chandrashekara S. Adiga [Manipal University]" <cs.adiga@manipal.edu>
To: "Deputy Registrar [Manipal University]" <dreg.mahe@manipal.edu>
Sent: Friday, July 22, 2011 2:27 PM
Subject: FW: RE: Syllabus

From: varadesh hiregange [mailto:varadeshgange@yahoo.co.in]
Sent: Friday, July 22, 2011 9:50 AM
To: Chandrashekara S. Adiga [Manipal University]
Cc: Bhadri Sunil Keshavacharya [MU-MIC]
Subject: Fw: RE: Syllabus

Dear Sir,

I am hereby forwarding you the opinion of Dr Nandini Lakshmikantha on the curriculum of our MIC-EICAR dual degree programme.

Varadesh Hiregange
Director, MIC

--- On **Thu, 21/7/11, Nandini ML** ***<nandiniml@hotmail.com>*** wrote:

> From: Nandini ML <nandiniml@hotmail.com>
> Subject: RE: Syllabus
> To: varadeshgange@yahoo.co.in
> Date: Thursday, 21 July, 2011, 10:32 AM
>
> Dear Prof. Varadesh Hiregange ,
>
> I am immensely pleased to know that Manipal Institute of Communication is launching a dual degree program (MA in Film Art) along with EICAR, Paris, France, one of the prestigious film study institutions. It was indeed pleasure going through the curriculum for the program in detail. And, ofcourse and I find it very appropriate and practical oriented and it suits the requirements of present day market.
>
> All the best
>
> Dr.Nandini Lakshmikantha, Ph.D
> Dean and Head
> Department of Media Studies
> Acharya Institute of Graduate Studies
> Soldevanahalli
> Bangalore 90

Date: Tue, 19 Jul 2011 18:54:28 +0530
From: varadeshgange@yahoo.co.in
Subject: Syllabus
To: nandiniml@hotmail.com

Dear Dr Nandini,

I am glad to tell you that we are launching a dual degree programme (MA in Film Art) along with EICAR, Paris, France. I am hereby sending you the curriculum for the programme to be taught in MIC. I request you send your expert opinion on the suitability of the curriculum, at the earliest.

Thanks and regards

Varadesh Hiregange
Director, MIC, Manipal University

--- On **Tue, 19/7/11, Bhadri Sunil Keshavacharya [MU-MIC]** ***<sunil.bhadri@manipal.edu>*** wrote:

> From: Bhadri Sunil Keshavacharya [MU-MIC] <sunil.bhadri@manipal.edu>
> Subject: Syllabus
> To: "varadeshgange@yahoo.co.in" <varadeshgange@yahoo.co.in>
> Date: Tuesday, 19 July, 2011, 6:28 PM
>
> Regards,
> Sunil Bhadri,
> Asst. Professor - Senior,
> MR, QUALITY,
> MIC, MU, Manipal,
> +91 98804 22203
>
> ---
>
> **From:** Bhadri Sunil Keshavacharya [MU-MIC]
> **Sent:** Tuesday, July 19, 2011 2:25 PM
> **To:** Varadesh Hiregange [MU-MIC]
> **Subject:** EICAR
>
> Regards,
> Sunil Bhadri,
> Asst. Professor - Senior,
> MR, QUALITY,
> MIC, MU, Manipal,

Thanks and regards

Varadesh Hiregange
Director, MIC, Manipal University

--- On **Tue, 19/7/11, Bhadri Sunil Keshavacharya [MU-MIC]** <***sunil.bhadri@manipal.edu***> wrote:

> From: Bhadri Sunil Keshavacharya [MU-MIC] <sunil.bhadri@manipal.edu>
> Subject: Syllabus
> To: "varadeshgange@yahoo.co.in" <varadeshgange@yahoo.co.in>
> Date: Tuesday, 19 July, 2011, 6:28 PM
>
> Regards,
> Sunil Bhadri,
> Asst. Professor - Senior,
> MR, QUALITY,
> MIC, MU, Manipal,
> +91 98804 22203
>
> ---
>
> **From:** Bhadri Sunil Keshavacharya [MU-MIC]
> **Sent:** Tuesday, July 19, 2011 2:25 PM
> **To:** Varadesh Hiregange [MU-MIC]
> **Subject:** EICAR
>
> Regards,
> Sunil Bhadri,
> Asst. Professor - Senior,
> MR, QUALITY,
> MIC, MU, Manipal,
> +91 98804 22203

--
Your's

DR.ONKAR KAKADE
Chairman,
Dept. Of Journalism & Mass Communication,
Karnataka State Women's University
Bijapur- 586109
Mobile:09448582969

Deputy Registrar

From: "Chandrashekara S. Adiga [Manipal University]" <cs.adiga@manipal.edu>
To: "Deputy Registrar [Manipal University]" <dreg.mahe@manipal.edu>
Sent: Friday, July 22, 2011 2:27 PM
Subject: FW: Re: Syllabus

From: varadesh hiregange [mailto:varadeshgange@yahoo.co.in]
Sent: Friday, July 22, 2011 10:48 AM
To: Chandrashekara S. Adiga [Manipal University]
Cc: Bhadri Sunil Keshavacharya [MU-MIC]
Subject: Fw: Re: Syllabus

Dear Sir,

I am hereby forwarding the opinion of Dr Onkar Kakade on our curriculum of MIC-EICAR dual degree programme.

Regards

Varadesh Hiregange
Director, MIC

--- On Wed, 20/7/11, DR. ONKAR KAKADE <*onkarkakade@gmail.com*> wrote:

From: DR. ONKAR KAKADE <onkarkakade@gmail.com>
Subject: Re: Syllabus
To: "varadesh hiregange" <varadeshgange@yahoo.co.in>
Date: Wednesday, 20 July, 2011, 10:55 AM

Dear Prof. Vardesh Hiregange

I have gone through the entire syllabus and I found it is a very good curriculum for M.A. in Film Art studies. It is also very comprehensive and suitable for the course. It is up to date and there is no need to change any chapter.

On 19 July 2011 18:57, varadesh hiregange <varadeshgange@yahoo.co.in> wrote:

Dear Dr Onkar Kakade,

I am glad to tell you that we are launching a dual degree programme (MA in Film Art) along with EICAR, Paris, France. I am hereby sending you the curriculum for the programme to be taught in MIC. I request you send your expert opinion on the suitability of the curriculum, at the earliest.

Master of Public Health

Deputy Registrar

From: "Ramachandra Kamath [MU-KMC]" <ramachandra.kamath@manipal.edu>
To: "Deputy Registrar [Manipal University]" <dreg.mahe@manipal.edu>
Sent: Monday, October 31, 2011 12:12 PM
Subject: MCH syllabus .

Dear Madam,

Please find comments by Dr.Sanjeev, Associate Professor of Community Medicine from K.S.Hegde Medical Academy, Mangalore for Maternal and Child Health syllabus.

Thank you

RKamath

From: sanjeev b badiger [mailto:s_badiger@rediffmail.com]
Sent: Monday, October 31, 2011 9:49 AM
To: Ramachandra Kamath [MU-KMC]
Subject: Re: FW: MCH syllabus

Dear Dr.Kamath,

I have gone through the draft. syllabus part looks good. no additions required. i have added few line in introduction part

Dr.Sanjeev Badiger
Associate prof. Department of community Medicine
K.S.Hegde Medical Academy (Nitte University)
Deralakatte
Mangalore-575016
Karnataka
phone-mobile:9448114146

uty Registrar

rom: "Ramachandra Kamath [MU-KMC]" <ramachandra.kamath@manipal.edu>
To: "Deputy Registrar [Manipal University]" <dreg.mahe@manipal.edu>
Sent: Monday, October 31, 2011 9:17 AM
Subject: FW: MCH syllabus

Dear Madam,

Please find comments by Dr.Das Acharya,Profeesor of Community Medicine from Father Muller Medical college , Mangalore for Maternal and Child Health syllabus.

Thank you

RKamath

From: das acharya [das_acharya@yahoo.co.in]
Sent: Sunday, October 30, 2011 12:38 PM
To: Ramachandra Kamath [MU-KMC]
Subject: Re: MCH syllabus

Dear Dr Kamath
your curriculum plan for MPH in maternal and child health is appropriate. However a few things could be added.
Apart from PBL and SDL ,a few didactic lectures covering the following topics on the components of RCH programme can be included.
1.community need assessment approach
2.Integrated package of services
3.MTP at PHC level
4.control and prevention of RTI/STI.
5.Adolescent health
6.Services in urban slums.
7. Unmet needs
8.communication strategy in RCH
9.Gender sensitiveness.
10.Involving PRI Institutions,NGO and community.
A paradigm shift in the programme highlighting the need based, client centered,demand driven quality services could also be taught.
Thank you,
Dr Das.

uty Registrar

rom: "Ramachandra Kamath [MU-KMC]" <ramachandra.kamath@manipal.edu>
To: "Deputy Registrar [Manipal University]" <dreg.mahe@manipal.edu>
Sent: Wednesday, November 09, 2011 9:52 AM
Subject: EOH syllabus

Dear Madam,

Please find email below from Dr.Yuvaraj , National Institute of Epidemiology,(ICMR) Chennai and his comments for EOH syllabus.

Regards
RKamath

From: Yuvaraj Jayaraman [mailto:j_yuvan@yahoo.com]
Sent: Monday, October 31, 2011 6:25 PM
To: Ramachandra Kamath [MU-KMC]
Subject: Re: Ltr of support-reg

Dear Dr. Kamath
Seasons Greetings! I have gone thro' the BOS docs and find them acceptable for submission to BOS.
with regards,

YUVARAJ J
Scientist 'E'
NIE/Ch-77

09/11/2011

idation of Bsc and Msc rrt syllabus

prabhu [aravindraprabhu@gmail.com]

uesday, March 08, 2011 4:17 PM

Nephrology [MU-KMC]

---------- Forwarded message ----------
From: **Prashanth Kumar k** <kpkadri@gmail.com>
Date: Wed, Mar 2, 2011 at 8:08 PM
Subject: Re: validation of Bsc and Msc rrt syllabus
To: ravindra prabhu <aravindraprabhu@gmail.com>

dear sir

I have gone through both the syllabi.
I am hereby validating the same

dr prashanth kumar k

On Mon, Jan 24, 2011 at 5:07 PM, ravindra prabhu <aravindraprabhu@gmail.com> wrote:
> As requested please go through and validate these syllabi.thanks for the help.

Dr. RAVINDRA PRABHU A
MD., DM., DNB (Nephrology)
Reg. No 31855
Professor, Head
Dept. of Nephrology
K.M.C., MANIPAL

12/5/11

From: ravindra prabhu [aravindraprabhu@gmail.com]

Sent: Tuesday, March 08, 2011 4:25 PM

To: Nephrology [MU-KMC]
Subject: Fwd: validation of Bsc and Msc rrt syllabus
From: ravindra prabhu [aravindraprabhu@gmail.com]

To: Nephrology [MU-KMC]
Subject: Fwd: validation of Bsc and Msc rrt syllabus
----------Forwarded message----------
From: JANARDHAN KAMATH <jrkamath@yahoo.com>
Date: Tue, Mar 1, 2011 at 3:20 PM
Subject: Re: validation of Bsc and Msc rrt syllabus
To: ravindra prabhu <aravindraprabhu@gmail.com>

respected sir,

I have gone through both the syallbi (Bsc and Msc) and am happy to approve it with the following recomendations:

1. Water treatment plant construction and maintainence should be given more importance and section of one exam paper should be devoted to the same.
2. Central line placement (double lumen catheter) placement and manatinence may also be covered.

regards
Dr Janardhan Kamath

Dr. RAVINDRA PRABHU A
MD., DM., DNB (Nephrology)
Reg. No 51555
Professor, Head
Dept. of Nephrology
KMC, MANIPAL

12/3/2011

01 December 2010

Dear Dr.Sudharshan

Greetings! As discussed with you, I am resending the mail and the attachments for your kind perusal and advice to launch it simultaneously from Manipal & Bangalore if that would suit you.
We have currently three In service candidates very much interested and many more enquiries for future admissions. After your comments on the Curriculum and modifications if required, we will present it at the BOS and launch it in two batches-Inservice batch in Jan 2011 and Regular batch. Please find attached the curriculum.

Kind regards

Raj

Dr.B.Rajashekhar
Dean & Professor(Sp.& Hg.)
Manipal College of Allied Health Sciences | Manipal University | Manipal – 576 104 | Karnataka | India
Tel: + 91 820 2922704 | Mobile: + 91 9845547736 | Fax: + 91 820 2571915 | Email: b.raja@manipal.edu

Dr. RAMESHA KABINI A
MD., DM., DNB (Nephrology)
Reg. No. 51588
Professor & Head
Dept. of Nephrology
K.M.C., MANIPAL

Dr.B.Rajashekhar
Dean & Professor(Sp.& Hg.)
Manipal College of Allied Health Sciences | Manipal University | Manipal – 576 104 | Karnataka | India
Tel: + 91 820 2922704 | Mobile: + 91 9845547736 | Fax: + 91 820 2571915 | Email: b.raja@manipal.edu

Begin forwarded message:
From: "Dr Sudarshan Ballal [MHE]" <s.ballal@manipalhospitals.com>
Date: 4 December 2010 1:40:39 PM GMT+05:30
To: "Rajashekar B [MU-MCOAHS]" <b.raja@manipal.edu>
Cc: "Rajashekar B [MU-MCOAHS]" <b.raja@manipal.edu>
Subject: FW: M. Sc -RRT and Dialysis Technology- seek your inputs and support- Dr.Raj, MCOAHS

Dear Raj
Views of our senior dialysis people is enclosed
I could ask them to coordinate the curriculum with your office

Warm regards

Dr. H. Sudarshan Ballal MD, FRCP (London) Board certified in Int. Medicine, Nephrology & Critical Care (USA)
Member of the Academic Senate Manipal University and Rajiv Gandhi University of Health Sciences, Karnataka

Chairman
Medical Advisory Board, &
Medical Director
Manipal health SystemsDirector,
Manipal Institute of Nephrology & Urology,
Manipal Hospital,
(ISO9001-2000 certified for Clinical, Nursing, Diagnostics and allied areas)Professor of Medicine,
St. Louis University School of Medicine (USA)
Manipal University, Manipal, India
Office: Manipal Hospital, #98, Rustom Bagh, HAL Airport Road, Bangalore 560017, India Ph: +91 80 2502 3265 / 3494
Fax +91 80 25286932 Email s.ballal@manipalhealth.com

In my opinion we need to add the following topics in MSc – Dialysis Technology - curriculum

Diet and Patient Counseling
Diet and nutritional aspect in CKD , Dialysis ,CAPD, Transplant etc
Patient counseling in CKD, CAPD, Dialysis, Transplant etc

Calculators :-

- IV rate and dose

- Access recirculation
- URR
- Concentration
- GFR Adult/Pedi
- Kt/V (different formulas)
- Access recirculation
- Urea volume distribution
- Creatinine Clearance
- BMI
- Weight and measures (Length ,volume, weight , Fahrenheit, Celsius etc)

Dialyzer Reuse

- Advantages /disadvantages
- Methods (manual and Automated)
- Fiber bundle volume
- Fiber integrity test
- Chemicals used

Composition and function of blood – Introduction

Red blood cells – Erythropoiesis , stages of differentiation function , count physiological Variation.
Hemoglobin –structure , functions , concentration physiological variation
Methods of Estimation of Hb
White blood cells – Production , function, life span, count, differential count
Platelets – Origin, normal count, morphology functions.
Plasma Proteins – Production, concentration , types, albumin, globulin, Fibrinogen, Prothrombin functions.
Haemostasis & Blood coagulation
Haemostasis – Definition, normal haemostasis, clotting factors, mechanism of clotting, disorders of clotting factors.
Blood Bank
Blood groups – ABO system, Rh system
Blood grouping & typing
Cross matching
Rh system – Rh factor, Rh in compatibility.
Blood transfusion – Indication, universal donor and recipient concept.
Selection criteria of a blood donor. transfusion reactions Anticoagulants – Classification, examples and uses
Anaemias : Classification – morphological and etiological. effects of anemia on body
Erythrocyte sedimentation Rate (ESR) and Packed cell volume
Blood Volume -Normal value ,determination of blood volume and regulation of blood volume Body fluid – pH, normal value, regulation and variation
Lymph – lymphoid tissue formation, circulation, composition and function of lymph

With warm Regards
Abul Kasim
Sr. Manager - Dialysis

Manipal Health Enterprises Pvt. Ltd.
#98 | Manipal Hospital | HAL Airport Road | Bangalore-560017 | India |
Tel : +91 80 2502 3552/3350/3595 | Cell : +91 9880011335 |
Email- a.kasim@manipalhospitals.com | Website - www.manipalhospitals.com

From: Kurien John
Sent: Thursday, December 02, 2010 9:37 AM
To: Dr Sudarshan Ballal [MHE]
Subject: RE: M. Sc -RRT and Dialysis Technology- seek your inputs and support- Dr.Raj, MCOAHS

Sir,

My first round suggestions are

1 year
Subjects
I. Anatomy and Physiology related to urinary tract including kidney.
II. Pathology, Microbiology and Pharmacology related to kidney and dialysis.
III. Basic principles and overview of types of renal replacement therapy (HD & PD)

II year
Subjects
I. Concepts and principles of HD & PD & its application to patient care.
II. Complications in renal disease patients & Dialysis patients
Comment: Needs to move both to year 1
III. Renal transplantation
IV. Advanced HD procedures
Comment: RRT instead of HD
V. Patient education & helping patient cope with H.D
Comment: modify to 'patient counseling on
- living with CKD
- life with HD & CAPD
- living with a transplanted kidney'

1. Include
Basics of
- Intensive care units
- Hospital administration
- Resource management (personnel, material & finance)
- Quality management & infection control systems

2. Emphasize wherever applicable, the care of
- Pediatric patient

- ICU cases

With warm regards

Kurien John
Operations Leader – SSU2

Manipal Hospital
98, Rustom Bagh | HAL Airport Road | Bangalore - 560017 India |
Tel: +91 80 25023406 | Fax; +91 80 25286932 |
Email: kurien.johnt@manipalhospitals.com | www.manipalhospitals.com |

From: Dr Sudarshan Ballal [MHE]
Sent: Wednesday, December 01, 2010 5:07 PM
To: Abul Kasim; Kurien John
Cc: Dr Malathi A.[MHE]
Subject: FW: MSc-RRT and Dialysis Technology- seek your inputs and support- Dr.Raj, MCOAHS

Ur inputs pls

Warm regards,

Dr. Sudarshan Ballal
Medical Director & Chairman - Medical Advisory Board,
Director, Manipal Institute of Nephrology & Urology

98 | Rustom Bagh | HAL Airport Road | Bangalore - 560017 | India |
Tel: +90 80 2502 3265 +91 80 25023406 | Fax: +91 80 2528 6932 |
s.ballal@manipalhospitals.com | www.manipalhospitals.com |

From: Rajashekar B [MU-MCOAHS]
Sent: Wednesday, December 01, 2010 5:02 PM
To: Dr Sudarshan Ballal [MHE]
Subject: Fwd: MSc-RRT and Dialysis Technology- seek your inputs and support- Dr.Raj, MCOAHS

BSc Perfusion Technology

YAHOO! MAIL Classic

Re: Expert review of the curricullum for BSc Perfusion technology Under MCOAHS

Thursday, March 22, 2012 7:41 AM

From: "Kayapanda Mandana" <kmmandana@yahoo.co.uk>
To: "shiv" <shivashankarpai@yahoo.com>

Dear Mr Pai,

Thank you for your mail and also for asking my opinion on the submitted curriculam for the proposed BSc in perfusion technology under MCOAHS.

I have gone through the extensive document you have prepared and to me it reads perfect and I have also checked with the currently running programmes at 2 other medicals colleges at Kolkata. I am sure you will have your own faculty and a few visiting faculty to help you and MCOAHS to undertake this perfusion tech. programme. I wish you and the programme the very best and also as we in India are in need for more of these trained perfusionist to carry on with more cardiac surgeries with excellent quality.

Deep regards and best wishes,
yours sincerely,

Dr K.M.Mandana
Director, Cardiothoracic surgery

Consultant cardiothoracic surgeon,
AMRI Group of Hospitals,
KOLKATA India
700091

PH : 0091 9831112359
mail kmmandana@yahoo.co.uk

Subject: Re: Expert review of the curricullum for BSc Perfusion technology Under MCOAHS

From: Dr. Nareshchand Hegde (drnareshchandhegde@yahoo.com)

To: shivashankarpai@yahoo.com;

Date: Wednesday, March 21, 2012 8:55 AM

Dear Shivshankar ,

I am pleased to know that you are planning to start BSc in Perfusion Technology this year, under Manipal University . I have thoroughly reviewed your curriculum, which is elaborate and covers most of the aspects of basic sciences and cardiac surgery. It is at par with international standard. However I would like to suggest a few points to be stressed upon.

1. The project topics can be given to the students in the first year itself, so that they can start work on it earlier.
2. Internship should be suggested in a high volume centers doing good numbers of adult and congenital surgery.
3. Yearly minimum marks should be 75% (credits in each year).
4. More emphasis on Applied Anatomy (References: R. J Last, Cunningham manual, MacGregors Surgical Anatomy)
5. Effects of cardio pulmonary bypass on various systems should be dealt in detail.
6. Total circulatory arrests (Myocardial and Cerebral Protection) to be discussed elaborately
7. Hemodialysis, peritoneal dialysis and various accesses for it should be covered.
8. Heart lung transplantation should be discussed as separate topic in detail.
9. A mention about recent advances, minimal invasive, small incision cardiac and robotic cardiac surgery, heart failure surgeries, ventricular assisted devices, endovascular stenting, TAVI (Trans Catheter Aortic Valve Implantation).
10. PFT, obstructive and restrictive lung disorders to be covered in detail.
11. Stem cell therapy to be dealt with briefly.
12. Stress upon medical ethics

All the Best

Regards

Dr. Nareshchand Hegde H
Consultant Cardiac Surgeon
Sri Gokulam Speciality Hospital
202, Bangalore by-pass Road
Salem 636004
+91 9688597955
Office: +91 0427 2338800 (100 lines)

MSc Clinical Virology

MSc and diagnostic capacity

William Carman [w.carman@bio.gla.ac.uk]

Sent: Tuesday, May 18, 2010 4:49 PM

To: Arun Kumar [MU-KMC]

Arun

It is a very comprehensive course but I think that your students will be worn out at the end! There is an enormous amount of theory sessions. Are these lectures? Who has so much spare staff time for so many lectures??!! Personally I would be reducing the number of contact hours enormously and setting them self-directed learning using electronic resources, handouts and textbooks, supplemented by specific lectures on difficult subjects or lectures to bring everything together in a wholistic form. Problem based learning is how the entire medical curriculum is done – small groups research a topic (they are given the questions in advance) and then they come together to discuss and teach each other. There is a facilitator who directs the flow of discussion without answering the questions.

The techniques sections are too theoretical – just listening to a lecture without actually experiencing the technique is a sure way to forgetfulness! And you don't have to teach people every technique known to man.

There is significant overlap between systematic virology and the clinical virology. I would set them clinical cases and then get them to research into the various viruses that cause the disease and each present their findings in small groups. By repetition, everyone knows everything.

What are viral infections of glands (do you mean EBV and CMV?), CVS and renal system? In real life, we get samples from respiratory, children with fevers and rashes, pregnant women, vesicular rashes, diarrhoea, meningitis, immunocompromised, conjunctivitis, genital etc. And nowadays all testing is systems-based, not based on individual viruses. Also, labs of the future will be mixed viruses and bacteria so you need to integrate the two somehow.

I would spend very little time on CC, TC and characterisation in cells. Never used anymore except in research – and then the student will need to learn a lot about it, not what you might learn in an MSc.

Epidemiology ought to include phylogenetics, and ought be example-led – which then forces you to put the basics into a context and so you remember them.

Too much on stats (though it's important).

Leave out slow viruses – do you ever see them? Special topics fit better into other categories.

The research project seems very long. My experience of student research is that it seldom gets published in a decent journal and is therefore not worth doing. I would give them a number of small, focussed, inter-related research projects to do in groups so they can all learn from each other.

Let me know if you want to discuss further!!

I would also like to talk to you (maybe a phone call?) about a potential collaboration with your new virus centres across India. All the multiplex real time assays used in Glasgow have been further developed by a group in Luxembourg to make them into easy to use kits – www.fast-trackdiagnostics.com . They have been especially designed with emerging economies in mind, so the can be used on a range of readily available machines, all use the same cycling protocols, most enzymes work, once you can do one test you can do them all, etc etc. They are a sure-fire way to get world-class diagnostics operational in a very short period. Your funding bodies would be very impressed!! We also do molecular diagnostics workshops for those that use our kits.

Bill

From: Arun Kumar [MU-KMC] [mailto:arun.kumar@manipal.edu]

Re: Greeting from Manipal, India- Request to review the curriculum of MSc(Clinical Virology)- regarding

Prof Lam Sai Kit [sklam@nipahvirus.org]

Sent: Friday, May 21, 2010 7:24 AM

To: Arun Kumar [MU-KMC]

Dear Dr. Kumar,

Thank you for sharing the MSc curriculum with me. I must say how impressed I am with the comprehensiveness of the course content and I do not think it could be bettered! It embodies all aspects of current virology and if you can carry it through, it will serve as a good model for other countries to follow. I have several minor comments and suggestions:.

1. I assume that this draft curriculum is over a period of 2-3 years, being an MSc course. I do not think it can be covered adequately if the time allowed is shorter.

2. On paper, the balance of theory, practicals and field trip looks appropriate. I only hope the students will have the opportunity to conduct so many hours of practicals as I know they are not only time-consuming to organize, require greater technical skills than bacteriology, but also terribly expensive to conduct. Hope you have the manpower and resources to see it through.

3. There seems to be an over-emphasis on Biostats. Is there a reason for this? On the otherhand, there is very little emphasis to the more important issue of emerging viral disease as this is covered incidentally under Special Topics. Perhaps you may try to squeeze in more EIDs and the special investigations required to handle their investigations.

Hope my input is relevant and helpful.

All the very best. You did an excellent job on this and should be congratulated.

SK Lam, MSc, PhD, FRCPath, FRCP, FAAM, FIDSA, FASc.
Senior Research Fellow
University of Malaya

----- Original Message -----
From: Arun Kumar [MU-KMC]
To: sklam@nipahvirus.org
Sent: Friday, May 14, 2010 11:17 PM
Subject: Greeting from Manipal, India- Request to review the curriculum of MSc(Clinical Virology)- regarding

Dear Prof SK Lam,

Greetings from Manipal!

I have developed a darft curriculum for MSc(Clinical Virology) course - 4 semester credit based system (Total 100 credits). May I request your goodself to review the same and give your valuable comments. Let me briefly explain the context of developing this cirriculum.

Re: Greeting from Manipal, India- Request to review the curriculum of MSc(Clinical Virology)- regarding

sourvino@med.uoc.gr [sourvino@med.uoc.gr]

Sent: Monday, May 17, 2010 10:40 PM

To: Arun Kumar [MU-KMC]

Dear Dr. G Arunkumar

I am currently in Boston taking a sabbatical in Harvard Medical School.

It was very nice receiving your e-mail and also to hear that there are Virologists in India trying to promote Virology and establish post-graduate programmes. I read the curriculum of the programme and I thik it fullfills its aims. If there is something I should comment on, is that I would suggest an earlier initiation of the research project, perhaps at the 3rd semester, in parallel with courses. I am not aware whether you have faculty staff to teach all the courses but at least for the beginning, you might skip some and invest time in research. An external committee evaluating the programme periodically, e.g. every 3 years, would add benefit. Furthermore, you may attract students not only from India and give an international flavour to the programme, by teaching in English and also by inviting speakers from abroad to give seminars, etc.

I wish you all the best in this nice and promising effort and I will be available in case you need tot contact me in the future.

Best of luck

George Sourvinos, PhD
Asistant Professor
Faculty of Medicine
University of Crete
Heraklion, 71003
Crete
Greece
e-mail: sourvino@med.uoc.gr

This message was sent using IMP, the Internet Messaging Program.

dreg.mahe

From: Director Office [MU-MSAP] [office.msap@manipal.edu]
Sent: Tuesday, January 15, 2013 4:19 PM
To: Deputy Registrar [Manipal University]
Subject: B.Des
Attachments: Gist_of_the_subjects_offered_under_B.docx

Dear Sir,

Please find the feedback of Venkatachalam for the subject of B.Des. Fashion Design. This is for your kind information & consideration.

Thank you.

With regards,

Prof. Nishant H. MANAPURE
Director
MU – MSAP
Manipal School of Architecture & Planning, Manipal University

Cell: +91 8861107755 ... Tel: +91 820 2924111 ... Fax: +91 820 2924120

From: venkatachalam venkatachalam venkatachalam [mailto:a_venkatachalam@rediffmail.com]
Sent: Tuesday, January 15, 2013 3:45 PM
To: Veena Rao [MU-MSAP]
Subject: B.Des

To
Mrs VeenaRao
Sub: Review report B.Des. Fashion Design

A Project in eighth semester needs to be taken-up, to hone the knowledge developed through eight semesters.

Have a look into the scheme marked with red and green to modify appropriately.

I am of the opinion that four courses on History of Fashion is over dose.

Fashion communication may replace one course of History of Fashion

The programme needs to ensure that every student has enough knowledge in computer programming, communication, mathematics.

Research Methodology may not be necessary at UG level.

Fashion Accessories needs to be in core.

Brief knowledge on fibre science, fabric structure and clothing science will be holistic for a four-year undergraduate progamme.

16/1/13

farming needs to be taught.

INDIA: Environmental science mandatory
19 June 2011 Issue No:176

Beginning this academic year, environmental science will be a mandatory subject at graduation level, under a government resolution issued on 7 June.

The Supreme Court had earlier directed universities across the country to introduce a subject on environment and ordered the University Grants Commission to consider the feasibility of making such a course compulsory. Many universities did not implement the guidelines at the time, citing infrastructure issues, but, following the successful trial of an e-learning module on the subject, the government asked the company to provide the software to all state universities for the coming academic year.
Full report on the Indian Express site

With regards
A.VENKATACHALAM

Catch India as it happens with the **Rediff News App**. To download it for FREE, click here

ANNEXURE – VII

Unit cost of education per student per year for 2014-15	
	Rs in Lakh
Faculty/Course	**Unit Cost (excluding salary)**
A: HEALTH SCIENCE COURSES	
MEDICAL	
Undergraduate	4.23
Postgraduate: Degree and Diploma	7.28
MSc	3.36
DENTAL	
Undergraduate	3.46
Postgraduate	6.19
NURSING	
Undergraduate	0.99
Postgraduate	0.95
P C BSc	0.95
ALLIED HEALTH SCIENCES	
Undergraduate (4 Years)	0.89
Undergraduate (3 Years)	0.89
Postgraduate (2 Years)	0.92
PHARMACY	
Undergraduate	1.31
Undergraduate(5 years)	1.31
Postgraduate	1.43
BIO TECHNOLOGY	
Undergraduate	3.79
Postgraduate	3.79
ATOMIC AND MOLECULAR PHYSICS	
Postgraduate	10.32
REGENERATIVE MEDICINE	
Postgraduate	18.06
B: ENGINEERING AND MANAGEMENT	
ENGINEERING	
Undergraduate	1.31
Postgraduate	1.23
Postgraduate (non-engineering)	1.23
ARCHITECTURE	
Undergraduates (Arch)	0.51
Postgraduates (Arch)	0.51
INFORMATION SCIENCES	

Postgraduate	0.56
COMMUNICATION	
Undergraduate	0.59
Postgraduate	0.59
MANAGEMENT	
Postgraduate	1.42
BUSINESS ADMINISTRATION(BBA(JDM)	
Undergraduate	-
BUSINESS MANAGEMENT(BBM)	
Undergraduate	0.23
Postgraduate	0.23
HOTEL ADMINISTRATION	
Undergraduate	1.06
EUROPEAN STUDIES	
Postgraduate	5.02
GEOPOLITICS	
Postgraduate	1.65
LIBRARY & INFORMATION SCIENCES	
Postgraduate	0.59
PHILOSOPHY & HUMANITIES	
Postgraduate	2.77
PUBLIC HEALTH	
Postgraduate	0.39
STATISTICS	
Postgraduate	1.95
VIRUS RESEARCH	
Postgraduate	22.53

Annexure - VIII

Sl. No.	Name of the Committee	Chairperson	Custodian of documents	Composition	Teaching/Non Teaching	In percentage terms
1	Board of Management	Chancellor, MU	Registrar, MU	Chancellor - Chairman, Vice Chancellor - Member Secretary, Three Nominees of the Chairman of BOM, One nominee of the chairman UGC, One nominee of the Govt. of India, Three teachers from among Deans of Faculties & Professors by rotation, One nominee of sponsoring Trust & Four distinguished experts nominated / coopted by BOM	All Teaching	100% Teaching
2	Academic Senate	Vice-Chancellor	Registrar, MU	Vice Chancellor - Chairman, Registrar - Ex Officio Secretary, Heads of Instituions, Professors, One Assoc. Prof / Reader from each Institution by rotation, One Asst. Prof. / Lecturer from each institutions by rotation, External Members (Educationists / Experts), nominated by the Chairman & Not more than five persons who are not members of the teaching staff	All Teaching	100% Teaching
3	Finance Committee	Vice-Chancellor	Director Finance	Vice Chancellor - Chairman, Director Finance - Member Secretary, A person nominated by VC, Two nominees of the BOM, A representative of UGC & A representative of Central Govt.	1 non teaching out of 7	14.28% - Non teaching
4	Faculty Selection Committee	Vice-Chancellor	Dy. Director (HR	Vice Chancellor – Chairman, Deans of faculties, HODs, A person nominated by the Chancellor, Three outside experts nominated by the Chancellor a panel of not less than six names recommended by the Academic	All Teaching	100% Teaching

				Senate and approved by the Board of Management.		
5	Board of Studies	Head of the Dept /Institution of individual subject / courses	Deputy Registrar, Academics (Health Sciences / Technical)	HOD - Chairman, Registrar, Registrar - Evaluation, Deputy Registrar (Academic), All Professors of the Dept. Two Readers of the Dept by rotation according to seniority, Two Lecturers of the Dept. according to seniority & Not more than 2 external subject experts (Academic / Industry)	All Teaching	100% Teaching
6	Grievance Committee	Chancellor / Pro Chancellor	Legal Officer / HR Dept.	Chancellor / Pro Chancellor – Chairman, Registrar – Secretary, Vice Chancellor , Director Finance, Director- Student Affairs, Management Executive- HR Personnel Officer- Legal Cell , Head of Institution concerned	3 non teaching out of 6	50 % - Non Teaching