

# KASTURBA MEDICAL COLLEGE

Madhava Nagar, Manipal - 576 104

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Dean: **Dr Pragna Rao**

Established: 1953

## Programs:

### Undergraduate:

- Bachelor of Medicine and Bachelor of Surgery (MBBS)

### Postgraduate

- MD (General Medicine)
- MS (General Surgery)
- MS (Obstetrics and Gynecology)
- DGO (Obstetrics and Gynecology)
- MD (Pediatrics)
- DCH (Pediatrics)
- MS (Orthopedics)
- D Ortho (Orthopedics)
- MS (Ophthalmology)
- DO (Ophthalmology)
- MS (Oto-Rhino-Laryngology)
- DLO (Oto-Rhino-Laryngology)
- MD (Anesthesiology)
- DA (Anesthesiology)
- MD (Dermatology, Venereology and Leprosy)
- DDVL (Dermatology, Venereology and Leprosy)
- MD (Radiotherapy)
- MD (Radio Diagnosis)
- DMRD (Radio Diagnosis)
- MD (Psychiatry)
- DPM (Psychiatry)
- MD (Hospital Administration)
- MD (Respiratory Medicine)
- MD (Immunohematology and Blood Transfusion)
- MD (Biochemistry)
- MD (Community Medicine)
- MD (Forensic Medicine)
- MD (Microbiology)
- MD (Anatomy)
- MD (Pathology)
- DCP (Clinical Pathology)
- MD (Pharmacology)

- MD (Physiology)
- MCh (Urology)
- MCh (Cardio Thoracic and Vascular Surgery)
- DM (Neurology)
- MCh (Pediatric Surgery)
- DM (Cardiology)
- DM (Gastroenterology)
- MCh (Neuro Surgery)
- DM (Nephrology)
- MSc (Anatomy)
- MSc (Physiology)
- MSc (Biochemistry)
- MSc (Microbiology)
- MSc (Pharmacology)
- MSc (Clinical Embryology)
- MPhil (Psychiatric Social Work)
- MSc Genetic Counselling
- MSc (Forensic Sciences)

#### Other programs

- Advanced Course in Medical Genetics
- Advanced Course in Diabetics
- PhD

#### About Institution

Kasturba Medical College (KMC), Manipal was established in 1953 as the first self-financing medical college in the private sector. It celebrated its diamond jubilee in the year 2013. The college consistently ranks amongst the top ten medical colleges in the country. Students from over 50 countries graduate from the college every year.

KMC, Manipal has one of the finest learning environments in South Asia with infrastructure and faculty that support students to hone their skills to become outstanding medical professionals. The institute has strong linkages with national and international universities. Students from UK, Ireland, USA, New Zealand, Kenya, The Netherlands and Malaysia opt for their elective postings at KMC, Manipal. Students from KMC, Manipal pursue electives in several top universities of the USA, Europe and Australia. The National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development, Government of India has ranked KMC, Manipal as fourth best medical college in India in the year 2018. KMC Manipal is the only medical college in the country to be recognized by the New York State Education Department (NYSED) which gives unrestricted allowance on the duration of clerkship/elective experience for KMC students seeking long-term clinical clerkship placements in the state of New York. It is certified for ISO 9001:2015 and EMS 14001:2015 standards. Kasturba Hospital, Manipal is accredited by National Accreditation Board for Hospitals and Healthcare Providers (NABH). The Kasturba Hospital Laboratory Services is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL).

#### Institutional activities/curricular activities

##### New Initiatives

Sl. No.	Activity	Particulars	Date
<b>Department of Anatomy</b>			
1.	Establishment of Centre for Clinical Anthropometry	Dr Chandni Gupta is the coordinator of the centre	1 Dec 2018
<b>Department of Biochemistry</b>			
2.	Awareness program on newborn screening and inborn errors of metabolism conducted for all <i>anganawadi</i> workers of Kundapura CDPO project organized by MCOPS in collaboration with CEIEM	Mrs Prajna P Shetty (PhD scholar) addressed the gathering	11-12 Jun 2018
<b>Department of Cardiology</b>			
3.	Workshop on Healthy and Hygienic Food preparation	For Udupi District Hotel Workers	27 Jun 2018

Sl. No.	Activity	Particulars	Date
<b>Department of Dermatology</b>			
4.	Started CA OSCE	For UG 8th semester students during their clinical posting instead of written test	1 Mar 2018
5.	"Sarathi" – an initiative of IADVL (Indian Association of Dermatologists, Venereologists and Leprologists) Karnataka)	For non-teaching staff held at Mangalore	29 Apr 2018
6.	Started the Centre for Sexual Medicine	For sexual diseases and sexual dysfunction	1 May 2018
7.	Started Dermatology Services at District Jail, Hiriyaadka	For jail inmates on every fourth Saturday afternoon organized by District Legal Association	24 Nov 2018
8.	Started Dermatology services at PHC, Kemmannu	On every first Tuesday morning	6 Nov 2018
<b>Department of Endocrinology</b>			
9.	Free Diabetes Screening camp organized by Kasturba Hospital, Manipal	The hospital was lit in blue in November as part of the Shine a light on diabetes initiative to support World Diabetes Day. To raise awareness about diabetes, Department of Endocrinology has been organizing series of diabetes screening and awareness camps. Free diabetes screening camps were conducted at eight different locations. The program has benefited around 2500 people of Udupi District and 342 patients were diagnosed with diabetes through this initiation.	14 Nov 2018
<b>Department of General Medicine</b>			
10.	Conducted street play competition for students and faculty of MAHE as part of World Malaria Day 2018	Jointly organized by Department of Medicine and Department of Community Medicine	25 Apr 2018
<b>Department of Hospital Administration</b>			
11.	Initiated Block Postings	For five residents of department reporting to Medical Superintendent Office	1 Jul 2018
<b>Department of Immunohematology &amp; Blood Transfusion</b>			
12.	A Certificate Course in Clinical Apheresis proposed	Approved by MAHE from the month of July 2018, the course offers hands on technique in therapeutic apheresis in regular medicine practice.	Mar 2018
13.	Cascade filtration for a typical Hemolytic Uremic Syndrome	Conducted by Mr Nadeem, Technical Assistant from Fresenius Kabi, Bangalore	9 Sep 2018
<b>Department of Neurosurgery</b>			
14.	Online Trauma Registry – Trial run	A novel attempt to collate all the trauma cases	Jun 2018
<b>Department of Pediatric Surgery</b>			
15.	Free Camp	Organized by Bal Shalyakriya Mission (BSM-2018) and Kasturba Hospital, Manipal in Pediatric Surgery Department	5- 10 Feb 2018
<b>Department of Palliative Medicine and Supportive Care</b>			
16.	Started Tumor Board meeting	Organized by Department of Palliative Care Medicine and Manipal Comprehensive Cancer Care Centre	1 Oct 2018
<b>Department of Radiology</b>			
17.	Inauguration Program of Digital Mammography System – "Helianthus DBT"	Inaugurated by Smt Vasanthi R Pai, Chairperson Hostel Management Committee, MAHE Manipal at Ground Floor, Shirdi Sai Baba Cancer Hospital & Research Centre, Kasturba Hospital Complex	27 Jan 2018

Sl. No.	Activity	Particulars	Date
18.	New CT 128 slice machine installed	Inaugurated by Dr Sudharshan Ballal, Chairman, MHEPL in Main CT. Mr Dilip Jose, Managing Director and CEO, MHEPL, Dr H Vinod Bhat, Vice Chancellor, Dr Poornima Baliga, Pro Vice Chancellor, Dr Pragna Rao, Dean KMC Manipal, Dr Avinash Shetty, Medical Superintendent, Kasturba Hospital, Manipal, Dr C G Muthanna, Chief Operating Officer, KH Manipal were present at the inauguration.	20 Jun 2018
<b>Medical Simulation Centre</b>			
19.	Manipal Prehospital Trauma Life Support (MPTLS)	A one-day course conducted for the EMT's, paramedics and nurses. Upon successful completion of the course, students receive a certificate	5 May 2018, 9 Jun 2018
<b>Other initiatives</b>			
20.	Inauguration of Manipal Comprehensive Cancer Care Centre, Elekta Versa HD Linear Accelerator and the Department of Palliative and Supportive Care	Dr H Sudarshan Ballal, Chairman MHEPL inaugurated the Comprehensive Cancer Care Centre, Manipal. Mrs Vasanti R Pai, Trustee - MAHE Trust, Manipal and Chairperson, Hostel Management Committee, MAHE, Manipal released the theme and logo for the Comprehensive Centre. Dr H S Ballal, Pro Chancellor MAHE, Manipal inaugurated the advanced Elekta Versa HD Linear Accelerator Machine. Dr H Vinod Bhat, Vice Chancellor MAHE Manipal inaugurated the department of Palliative Medicine and Supportive Care.	24 Oct 2018
21.	Festival of Ideas	The student editorial board organized the "Festival of Ideas". It was a mix of art, music, literature and theatre. It was a platform where art met medicine. It was an opportunity for exchange of information, knowledge and ideas.	30 Aug 2018 – 02 Sep 2018
22.	Established Centre of Neurosciences	Dr Dinesh Upadhyay appointed as Coordinator of the centre	19 Oct 2018
23.	Established Centre for sexual assault crisis	Dr Anitha S appointed as Coordinator of the centre	01 Sep 2018

All Other activities in the department relating to the program/course

Sl. No.	Activity	Particulars	Date
<b>Department of Anesthesiology</b>			
1.	MTLS conducted at Medical Simulation Center, MAHE	40 participants	18-19 Jan 2018
2.	Manipal Prehospital Trauma Life Support Course held at Medical Simulation Center, MAHE	14 participants	9 Jun 2018
3.	APGAP-2018 (Anesthesia Postgraduates Academic Program)	250 participants	30 Sep – 02 Oct 2018
<b>Department of Anatomy</b>			
4.	A sneak-peek into the Human Body through Virtual reality (Live Demo Sessions)	75 participants	31 Mar 2018

Sl. No.	Activity	Particulars	Date
5.	CME on Recent Advances in Epilepsy (Epilepsy Update 2018), EEG Workshop and Cadaveric Brain cutting workshop	Jointly organized with Department of Neurosciences - 79 participants	26 May 2018
<b>Department of Biochemistry</b>			
6.	Awareness program on newborn screening for inborn errors of metabolism	CME conducted at Town hall Udupi. Dr. Krishnananda Prabhu and Prajna Shetty attended the same.	20 Feb 2018
7.	CME on "Cardiac Biomarkers in diagnosis of acute myocardial infarction and management of heart failure"	Organized with the support of ROCHE Diagnostics India Pvt Ltd at Hotel Central Park, Manipal	6 Mar 2018
8.	A workshop on "Career Catalyst - A quick guide to kick start your corporate journey"	Organized by ROCHE Diagnostics for postgraduate students from different departments	6 Mar 2018
9.	South Zone Association of Clinical biochemists of India Conference	The theme for the conference was "Recent trends in Biochemistry Education and Research". ACBI General Secretary Dr Rajiv Ranjan Sinha, South Zone ACBI representative Dr Kannan Vaidyanathan and Karnataka ACBI representative Dr Shashikanth Nikam attended this event as well as the inaugural function. Karnataka Medical Council awarded four credit hours to the conference.	06 – 08 Dec 2018
<b>Department of Cardiology</b>			
10.	ECG Made Easy Workshop	400 participants	9 Sep 2018
11.	"World Heart Day"	300 participants	28 Sep 2018
<b>Department of Cardiovascular-Thoracic surgery</b>			
12.	Hands on Vascular anastomosis workshop – Basics of vascular surgery	Inaugurated by Dr Avinash Shetty, Medical Superintendent, Kasturba Hospital, Manipal	24 Nov 2018
<b>Department of Clinical Embryology</b>			
13.	Conducted a workshop on "Embryo Biopsy Techniques, New Generation PGS/PGD Platforms & Clinical Applications"	75 participants	03 Feb 2018
<b>Department of Community Medicine</b>			
14.	Inter Department workshop on "Alcohol and Tobacco use disorders",	20 participants	31 Jul 2018
15.	International Symposium on Tobacco Control and Regional Stakeholder Meeting	Dr Selvarajan, Deputy Director, State Program officer, NTCP, Department of Health & Family Welfare, Government of Karnataka inaugurated the program. Prof John Britton, Director, UK Tobacco and Alcohol Studies, University of Nottingham, UK was the guest of honor	18 Sep 2018
16.	Manipal- Kentucky Breast Cancer symposium	The theme of the symposium was 'Population Studies and Molecular Epidemiology in Breast Cancer'	11 Dec 2018
<b>Department of Dermatology</b>			
17.	IMPACT 2, an advanced master class on Psoriasis	55 participants	4 Mar 2018
18.	Awareness program on Leprosy	Talk (in both English and Kannada) on Leprosy for about 60 non-teaching staff of hospital.	30 Jan 2018

Sl. No.	Activity	Particulars	Date
19.	Nutrition and exercises in Dermatology	Eight students participated in the program conducted by Nirmala Markandeya	21 Apr 2018
20.	World Vitiligo Day	Vitiligo week awareness program was organized	25-30 Jun 2018
21.	CME on Psychodermatology	90 participants	1 Jul 2018
22.	Workshop on Laser conducted by Dr Thajudheen	20 participants	19 Aug 2018
<b>Department of Emergency Medicine</b>			
23.	Wilderness Medicine Expedition	Seven medical students from Lewis Katz School of Medicine, Temple University Philadelphia were in KMC, Manipal for a three-week elective posting in the department. As an interesting addition to the program, the students were taken on a wilderness medicine expedition to the Agumbe Rain Forest Research station for a day.	9-27 Jul 2018
<b>Department of ENT</b>			
24.	CME (a) Role of nasal endoscopes in evaluation and management of ENT disorder (b) "Concha bullosa development or devaluation?"	30 participants	8 Apr 2018
25.	CME on ENT Head and Neck Oncology	40 participants; Dr. Kumar Prabhaskar, Medical Oncologist TATA Memorial Hospital, Mumbai gave talk as well talk was given by Dr. Sharan, Prof & Head of Radiation Oncology also.	26 May 2018
<b>Department of Forensic Medicine</b>			
26.	Session on "Documentation of Identification marks and Injuries" for Emergency Medicine Interns	8 participants	01 May 2018 15 Oct 2018 30 Oct 2018
27.	Session on "Handling of Medico-legal cases and evidence collection" for Nurses of Kasturba Hospital, Manipal	60 participants (nurses)	14 May 2018
28.	Session on Hazardous Materials to hospital staff	60 participants that include nurses, house-keeping staff and hospital pharmacy store staff of Kasturba hospital	14 Jun 2018
29.	Annual Police Workshop	Organized by Center for Clinical Forensics, Department of Forensic Medicine in association with Team Woman, MAHE, Udupi District Police and District Legal Services Authority, Udupi. Nearly 200 participants benefitted from this workshop.	30 Jun 2018
30.	26th Annual Conference of the Karnataka Medico-legal Society, KAMLSCON – 2018	It was organized to commemorate the Silver Jubilee Celebration of MAHE	02 Nov – 04 Nov 2018
<b>Department of Immunohematology and Blood Transfusion</b>			
31.	World Blood Donor Day Event	A felicitation program was conducted to honour the donors. Nearly 150 participants attended.	14 Jun 2018
32.	National Symposium on Hemovigilance Program of India	Dr Shivaram C, Dr Rahul Katharia, Dr Reba Chabra, Ms Ruchi Rao, Dr Roy, Dr Sitalakshmi and Dr G Selvaraj were present. A total of 170 participants attended symposium	8 Sep 2018

Sl. No.	Activity	Particulars	Date
33.	Workshop on Nucleic Acid Testing	Dr Rahul Katharia and Mr Anil delivered talks during workshop	7 Sep 2018
<b>Department of Hospital Administration</b>			
34.	Organ Donation: "Providers Perspective"	The talk was conducted as a part of silver jubilee celebrations of MAHE. A total of 168 participants were present.	1 Sep 2018
35.	CME on "Emerging Trends in Hospital Administration"	It was held during the third Manipal Global Alumni Convention. 20 CEOs and COOs of private hospitals from India and abroad attended the conclave.	15 Dec 2018
<b>Department of Medicine</b>			
36.	CME on Manipal Clinical Medicine	150 participants	11 Feb 2018
37.	World Malaria Day-2018	Jointly organized with Department of Community Medicine	25 Apr 2018
<b>Department of Medical Education</b>			
38.	RBMET workshop	Conducted at Medical Education	21-23 Mar 2018
39.	Pedagogy and Assessment Workshop for Optometrists	Conducted at Medical Education	5-7 Apr 2018
40.	Workshop on Communication in Healthcare	Dr Ajay Kumar, Dr Shishta N Basu, Dr Sitangshu Basu, Dr Indu Arneja from Delhi and Dr GG Laxman Prabhu from Mangalore were the speakers	15 Jun 2018
41.	RBMET & AETCOM workshop	25 Participants	9-12 Jul 2018
42.	KEY-Keep Empowering Yourself"	22 participants	30 Aug 2018
43.	Workshop on I-Human: Diagnostic Reasoning	Dr Scott Stern, University of Chicago spoke during the workshop. A total of 21 participants were present.	10 Oct 2018
44.	Workshop on Key-Keep Empowering Yourself	22 participants from KMC were present	13 Oct 2018
45.	Workshop on Key-Keep Empowering Yourself	20 participants from KMC were present	1 Dec 2018
<b>Department of Medical Genetics</b>			
46.	Conference on Manipal Genetics Update V on Genomics of Neurodevelopmental Disorders	A total of 36 faculty (including 16 international) and 49 delegates participated in the event	9-10 Feb 2018
<b>Department of Microbiology</b>			
47.	SRL EQAS 2017 Round 2 Panel distribution workshop	A total of 42 laboratory technicians from ICTCs and Blood Banks of three districts including Udupi, Shivamogga and Chikmagaluru participated in the workshop	19 Jan 2018
48.	Session on Microbes Under The Lens - Compound and Fluorescence - A Multidisciplinary Approach	A national workshop on clinical laboratory research was conducted by the department at KMC in association with Department of MLT, SOAHS, MCOPS and Department of Atomic and Molecular Physics, MAHE, Manipal.	26 Mar 2018
49.	Seminar on "Genomics and Tuberculosis"	Organized jointly with School of Life Sciences and Sydney University	11 May 2018

Sl. No.	Activity	Particulars	Date
50.	National Tuberculosis conference – Vision of Nation	The theme was “Towards TB Elimination: Vision of the Nation”	6 Oct 2018
<b>Department of Neurology</b>			
51.	CME Continuum in Neurology - Topic “Neuro-oncology”.	Topics presented were Low grade Gliomas, Epidemiology, treatment and complications of central nervous system metastases, Primary Central Nervous System Lymphoma, Neuroradiologic Pearls for Neuro-oncology	26 Feb 2018
52.	CME Continuum in Neurology - Topic “Neuro-oncology”	Topics Presented were 2016 World Health Organization Classification of Central Nervous System Tumors, Common Histologically Benign Tumors of the Brain, Medical Complications of Brain Tumors and Paraneoplastic Disorders	26 Mar 2018
53.	Evidence Based Medicine Workshop	Organized by the Clinical Epidemiology Unit of AIIMS, New Delhi with 30 participants attending the workshop	28 Feb - 1 Mar 2018
54.	Epilepsy Update-2018: One day CME on Recent Advances in Epilepsy	Organized at Centre for Basic Sciences, KMC, Manipal. A total of 70 participants were present	26 May 2018
55.	KMC Stroke CME-2018	Conducted at Dr TMA Pai Hall-2, KMC, Manipal. A total of 131 participants attended	24 Jun 2018
56.	CME Continuum in Neurology Topic: “Psychiatry and Behavioral Neurology”	Organized at Nalanda Seminar Hall for Medicine Postgraduates and Neurology Registrars. Topic: “Psychiatry and Behavioral Neurology”.	27 Aug 2018
57.	CME Continuum in Neurology Topic: “Headache”	Organized at Nalanda Seminar Hall for Medicine postgraduates and Neurology Registrars. A total of 22 participants were present.	24 Sep 2018
<b>Department of Neurosurgery</b>			
58.	Spine workshop 2018	Organized at Anatomy Dissection Hall, Centre for Basic Sciences building, KMC, Manipal. A total of 35 participants attended.	17-18 Mar 2018
59.	Epilepsy Workshop 2018	Organized at Anatomy Dissection Hall, Centre for Basic Sciences Building, KMC, Manipal. A total of 70 participants attended.	26 May 2018
60.	JJIW – Mobile spine hands – on workshop on Saw bone modes	A total of 10 participants attended	Sep 2018
<b>Department of Obstetrics and Gynecology</b>			
61.	Conducted and participated in Manipal OBG society CME on First Uterine transplant of India	Held in Pune	24 Mar 2018
62.	CME on ‘Gynecologic Oncology for Practicing Gynecologists’	There were six lectures on diverse topics in Gynecologic Oncology. Dr Shyamala delivered a lecture on ‘Discrepant reports of pap test and colposcopy guided biopsy of cervix’ at CME. A total of 55 participants were present.	14 Apr 2018



Sl. No.	Activity	Particulars	Date
63.	CME organized by Manipal Obstetrics and Gynecological Society- Topic: "Management of endometriosis".	Dr Shripad Hebbar gave a speech on "Management of Endometriosis" at KMC, Manipal	23 May 2018
<b>Department of Ophthalmology</b>			
64.	CME on "Pearls in Phacoemulsification and wet lab practice"	Conducted at Dr TMA Pai Hall, Manipal. There were a total of 152 participants	25 Mar 2018
<b>Department of Orthopedics</b>			
65.	CME – Manipal Mangalore combined teaching program at Manipal	1) Common orthopedic emergencies 2) Hand wash/OT scrubbing, wound dressing and waste disposal (video demo) 3) Traction, splints and Orthosis of lower limb (Video demo) 4) Plaster and plastering techniques 5) Tourniquets 6) Practical exercise: Plating on forearm saw bone model	24 Jun 2018
66.	Conducted a two-day program during Golden Jubilee Celebrations and Alumni Meet 2018	The event was held at Hotel Country Inn and Suites, Manipal as part of 3rd Global Manipal Alumni Convention. Dean Dr Pragna Rao was the Chief Guest.	Sep 21 and 22 2018
<b>Department of Pediatrics</b>			
67.	Conducted Basic Life Support and Newborn recitation for Nurses	Conducted at Medical Simulation Centre, Manipal	19 - 21 Mar 2018
68.	"Parenting Skills Workshop for Doctors"	Conducted by IAP Karnataka and Department of Paediatrics at Madhuvan Serai, Manipal	13 May 2018
<b>Department of Pathology</b>			
69.	Hemoglobin electrophoresis	Conducted by Hematology and Clinical Pathology lab, Kasturba Hospital, Manipal. A total of 35 members participated.	23 Feb 2018
<b>Department of Palliative Medicine</b>			
70.	CME on "Supportive care in HIV/AIDS"	It was held in association with Manipal Centre for Infectious Diseases (MAC ID) at Shirdi Sai Baba Seminar Hall, Manipal. A total of 120 delegates participated..	13 Oct 2018
<b>Department of Pharmacology</b>			
71.	Guest lecture - Sharing knowledge on drug development	Dr Julius Vaz – Global Program Head – for CVS and Metabolic Diseases, Mr Arjun Pai – University Recruitment Leader India /SAARC, and Ms Gayatri Kuppa – Senior HR Business Partner from Novartis Healthcare Pvt Ltd delivered the guest lectures.	18 Jul 2018
72.	Workshop to "Train the Trainers on Enhancing Prescribing Competency of students"	Department of Medical Education, MAHE, Manipal. A total of 40 participants were present. Dr Nirmala Rege, Dr Padmaja Marathe and Dr Raakhi Tripathi spoke during the workshop	14 Jul 2018
73.	Postgraduate lecture update competition	Attended by faculty and postgraduates from KMC Manipal, KMC Mangalore and MCOPS	16 Mar 2018
<b>Department of Physiology</b>			
74.	CME on "Dialysis Physiology of Urea Kinetics	Organized by Departments of Nephrology and Physiology, KMC, Manipal at Shirdi Saibaba Cancer Hospital, Manipal. Dr Prakash Keshaviah, Dr Manjunath Kulkarni and Dr Ashok Bhat delivered lectures. A total of 107 participants attended CME.	11 Aug 2018

Sl. No.	Activity	Particulars	Date
<b>Department of Radiodiagnosis</b>			
75.	Breast Imaging Workshop organized by Department of Medical Imaging, SOAHS and Department of Radiodiagnosis and Imaging	At Shirdi Sai Baba conference hall, Manipal	6 Apr 2018
<b>Department of Respiratory Medicine</b>			
76.	CME series on Sleep Medicine First Session: Physiology of sleep and an overview of polysomnography	A total of 40 delegates attended the CME.	28 Apr 2018
77.	Arterial Blood Gas Analysis: one-day workshop	Organized jointly by Department of Medical Education, Department of Pulmonary Medicine and Medical Simulation Centre. A total of 40 participants were present. Dr Rahul Magazine, Professor and Head, Department of Respiratory Medicine was the course co-coordinator.	1 Jun 2018
<b>Department of Surgery</b>			
78.	CME - Manipal Surgery Clinifest	Conducted by Dr Veena Karanth. Postgraduates from in and around Udupi and Dakshin Kannada District participated in case discussion, seminars and hands on experience in case taking.	Sep 21 - 23 2018
<b>Department of Urology</b>			
79.	Live Operative Workshop on Reconstructive Urology	Conducted at Dr TMA Pai Hall, KMC, Manipal	Jun 16 - 17 2018
<b>Other events</b>			
80.	Conceptz: The Manipal Global Medical Education Conclave 2018	Held to bring in the best of Medical Education specialists across India especially the mid-career generation which will influence policy decision making. The meeting had representatives from Medical Council of India and medical education experts from top ranking Medical schools who shared how technology has successfully helped introduce a competency based curriculum	6 Apr 2018
81.	Indo-German Convention of Lindau Alumni (IGCLA)	Conducted to motivate young researchers and students from different disciplines to take up a career in research and promote national and international collaborations	20 – 23 Sep 2018
82.	Kidathon	As part of the World Heart Day Celebrations at MAHE and to launch MAHE Daan Utsav Celebrations, KMC Manipal together with VSO (MAHE), Kasturba Hospital, Manipal, Sports Council (MAHE) and The District Administration of Udupi organized Kidathon 2018 to promote healthy living and inculcate the idea of giving and sharing among kids.	30 Sep 2018
83.	64th Annual National Conference of the 'Association of Physiologists and Pharmacologists of India, 2018 - APPICON 2018'	This conference was jointly conducted by the departments of Physiology and Pharmacology of both MMMC and KMC Manipal, as a flagship event to jointly celebrate the 25th and 20th anniversary of MAHE MMMC.	27 Nov – 1 Dec 2018

Sl. No.	Activity	Particulars	Date
84.	Skill Workshop and Demonstration of Intraoperative Monitoring and Navigation Systems	Jointly conducted by Department of Neurosurgery and Department of Anatomy	23 Jun 2018
85.	OTOFESST 2018 – Update on Otology and Rhinology with hands-on FESS cadaver dissection course	Organized by Department of ENT and Department of Anatomy along with Society of Teachers of Otolaryngology and Head & Neck Surgery, Mumbai, Association of Otolaryngologists of India, Manipal branch	25-27 Oct 2018
86.	Diagnocon-2018 -"Contemporary Developments in Lab Medicine and Lab Management"	Conducted at Kasturba Hospital Laboratory Services and KMC Manipal with 300 participants	23-25 Feb 2018
87.	State Farmers Welfare and Personality Development Workshop	Organized by Departments of Biochemistry and Forensic Medicine, and KAPC, Bengaluru; 225 Farmers, 50 agriculture officers and research persons from eight districts of Karnataka participated	29-30 Jan 2018
88.	Multidisciplinary conference on breast cancer- Breastcon 2018	Organized by Department of Radiotherapy in association with the department of Medical and Surgical Oncology	3-4 Mar 2018
89.	Camps for Health check-up	Organized by various departments of Kasturba Medical College and Hospital	Throughout the year
90.	Spit Free India	An awareness programme conducted by Department of Immunohaemology and Blood transfusion	3 Jun 2018
91.	Vigilance Awareness Week	Conducted by department of Pharmacology	29 Oct – 3 Nov 2018
92.	Mathribhasha Divas	Conducted in KMC, Manipal.	24 Feb 2018
93.	Rashtriya Ekta Diwas	Conducted in KMC, Manipal.	31 Oct 2018
<b>Medical Simulation Centre</b>			
94.	American Heart Association Basic Life Support (AHA BLS)	A one-day course conducted for the healthcare providers that includes adult CPR, child CPR, infant CPR and foreign body airway obstruction.	8 Feb 2018 3 Apr 2018 6 Jun 2018 27 Jun 2018 9 Jul 2018 16 Jul 2018 9 Aug 2018 24 Sep 2018 3 Oct 2018 10 Dec 2018
95.	American Heart Association Advanced Cardiovascular Life Support (AHA ACLS)	A two-day course for healthcare providers and includes the concept of team dynamics, Respiratory arrest Management, Cardiac arrest, Management of Bradycardia and Tachycardia's, Post resuscitation care	9-10 Feb 2018 4-6 Apr 2018 7-8 Jun 2018 28-29 Jun 2018 10-11 Jul 2018 17-18 Jul 2018 10-11 Aug 2018 4-5 Oct 2018 11-12 Dec 2018

Sl. No.	Activity	Particulars	Date
96.	MAHE Basic Life Support (MAHE BLS)	A one-day course conducted for the medical, paramedics and nurses	3 Mar 2018 10 Mar 2018 24 Mar 2018 14 Apr 2018 8 May 2018 14 May 2018 15 May 2018 16 May 2018 17 May 2018 18 May 2018 31 May 2018 4 Jun 2018
97.	MAHE Advanced Life Support (MAHE ALS)	A one-day course for the medical, Paramedics, ICU and triage nurses. It includes management of pre cardiac arrest, cardiac arrest and post resuscitation care	21 May 2018 22 May 2018 23 May 2018 24 May 2018 25 May 2018
98.	Manipal Trauma Life Support (MTLS)	A two-day course for the postgraduates of Anesthesiology, Orthopedics and General Surgery	18-19 Jan 2018 27-28 Apr 2018 27-28 Jul 2018 22-23 Oct 2018
99.	Basic Neonatal Care Resuscitation Program(BNCRP)	BNCRP Part-1 is a one-day program conducted for the MBBS interns. It includes assessment of a newborn baby soon after birth, resuscitation of a newborn baby using standard equipment and how to assist breathing at the time of birth if needed.	20 Jan 2018 21 Jan 2018 28 Feb 2018 6 Jul 2018 7 Jul 2018 28 Sep 2018 23 Nov 2018 7 Dec 2018
100.	Training of the Trainer Program (TOT)	Training of faculty in designing the scenarios using LLEAP software and effective teaching skills	2-4 Aug 2018 8-9 Oct 2018 10-11 Oct 2018 4-6 Dec 2018

Details of guest visit (lectures, collaboration, visitors on campus)

#### Guest lectures

Sl. No.	Visitor	Name of the University	Institution	Lecture Topic	Date
1	Dr Bhabatosh Das	NA	Molecular Genetics Lab, Centre for Microbial Ecology, Translational Health Science and Technology Institute, Faridabad	Molecular Insights into Gut Microbiome of Indian Population in Health and Disease	16 Mar 2018

Sl. No.	Visitor	Name of the University	Institution	Lecture Topic	Date
2	Dr Roshni Mathew	Stanford University, USA	NA	Infection Prevention and Control in Tuberculosis	17 Jul 2018
3	Dr Nataraj	NA	Consultant Haematologist, Bangalore	Stem Cell Transplantation: Recent advances	23 Apr 2018
4	Dr Mallikarjun Heralgi	NA	Sankara Eye care Hospitals, Shivamogga, Karnataka	e-guru Session Topic: "Case based discussion on Cornea"	27 Apr 2018
5	Mr Amitab Saxena	NA	CEO, ANEXAS, India	Six sigma in Hospitals	14 May 2018
				Artificial intelligence in healthcare	17 May 2018
6	Dr Shaiju Augustine	NA	Director of Lourdes Hospital, Ernakulum	Challenges faced by Christian Missionary Hospital	22 May 2018
7	Dr Ramkumar Venkateswaran	NA	Chief Medical Officer: Mission Smile	Guest Lecture about "Volunteerism" and "TEAM"	16 May 2018
8	Dr Sushil Kiran	NA	Regional Medical Advisor, Sanofi Aventis, Hyderabad	Industry Essentials	16 May 2018
9	Dr Mohan Issac	University of Western Australia	UWA School of Psychiatry and Clinical Neurosciences	1. The forgotten thousands: Can mental hospitals be closed down in India? 2. How to critically appraise a journal article? 3. Things I have learnt about schizophrenia in the past forty years as a psychiatrist	22 May 2018
10	Dr Rishikesh Behere	NA	Welcome Trust/DBT India Alliance Intermediate Fellow, Associate Consultant Psychiatry, KEM Hospital Research Centre, Pune	Understanding concepts of social cognition and its application in psychiatry	31 May 2018
				Lecture on Life course epidemiology approaches to psychiatry	1 Jun 2018
11	Dr Ankur Mutreja	University of Cambridge, United Kingdom	Faculty (Global Health - Infectious Diseases), Department of Medicine	Genomics, Metagenomics & their Practical Utility	3 May 2018
12	Dr Vittal Moga-sale	NA	Head-Policy and Economic Research department, International Vaccine Institute, Seoul	Public Health Value Proposition: Role of health economics in vaccine development and uptake	28 May 2018
13	Dr Prabhavathi	NA	Professor and Head, Department of Cardiology, Sri Jayadeva Institute of Cardiology	Case discussion	17 Jun 2018
14	Dr Ramesh Kekunnaya	NA	Head of Pediatric Ophthalmology, Adult Strabismus and Neuro ophthalmology, Child Sight Institute, Jasti V Ramanamma Children's Eye Care Centre, L V Prasad Eye Institute, Hyderabad	1.Strabismus made simple and case discussion 2.Evaluation disc edema	27 Jun 2018

Sl. No.	Visitor	Name of the University	Institution	Lecture Topic	Date
15	Prof Anibh Das	NA	Hannover Medical School, Germany	Mitochondrial Disorders	18-19 Sep 2018
16	Dr Shreeshu Kamath	NA	Pediatrics Intensivist, SRM Chennai	Cardiac Shock	12 Oct 2018
17	Dr Rocky Mollers	NA	Internal Medicine and Pediatrics, New Orleans, Louisiana, USA	Adolescent Sexual and Reproductive health	24 Oct 2018
18	Dr Pataje G S Prasanna	NA	Director, Radiation Research Program, NIH, USA	Radiation induced normal tissue injury: Gaps and opportunities to improve radiation therapy outcomes	3 October 2018
19	Dr Marc S Mendonca	NA	Professor in Radiation Oncology, Indiana University School of Medicine, Indianapolis	Understanding radiation carcinogenesis	3 October 2018
20	Dr Saurabh Rai	NA	Consultant vascular and Endovascular surgeon, Narayana Institute of Vascular Sciences, Bangalore	Laser and Radiofrequency ablation comparison in varicose veins treatment	24 Nov 2018
21	Dr Smita Mahale	NA	Director, National Institute for Research in Reproductive Health, ICMR	FSH Receptor interaction: significance in female reproduction	3 Nov 2018
22	Dr Jayant Pinto	University of Chicago	Professor of Surgery, Section of Otolaryngology – Head and Neck Surgery	Determinants of Olfaction	3 Nov 2018
23	Dr Peter Catalano	NA	Otolaryngologist in Brighton, Massachusetts and is affiliated with Lahey Hospital and Medical Center, USA	Evaluation and treatment of sleep disorder breathing in children	12 Nov 2018
24	Prof Wilf Yeo	University of Wollongong, Australia	Faculty of Science, Health & Medicine	Accreditation Standards for Australian Medical Schools; what's new?	27 Nov 2018
				Lessons from starting a new Medical School in Wollongong, Australia,	28 Nov 2018
25	Dr William Gerard Newman	Manchester University, UK	Professor of Manchester Center for Genomic Medicine, St Mary's Hospital	Pharmacogenetics	23 Nov 2018
26	Dr Nagesh Pai	University of Wollongong, Australia	Professor of Psychiatry, Graduate Medicine, Faculty of Science, Health and Medicine	Metabolic disorders in Psychosis Science of Antipsychotic switching	26 Nov 2018
27	Dr Aashish Bansal	NA	Medical Director, Centre for Sight, Hyderabad	Infective keratitis: Diagnosis and management	24 Jul 2018
				Femtolaser surgeries	25 Jul 2018
28	Dr Julius Vaz	NA	Global Program Head – for CVS and Metabolic Diseases, Novartis Hyderabad	Sharing knowledge on drug development	18 Jul 2018

Sl. No.	Visitor	Name of the University	Institution	Lecture Topic	Date
29	Mr Arjun Pai		University Recruitment Leader India/SAARC, Novartis Hyderabad	Sharing knowledge on drug development	18 Jul 2018
30	Ms Gayatri Kuppa	NA	Senior HR Business Partner, Novartis Hyderabad	Sharing knowledge on drug development	18 Jul 2018
31	Dr Narendra Kamath	NA	Private Practitioner, Mangalore	Evolving perspective in the etiopathogenesis of Acne Vulgaris and medical update in its management	10 Aug 2018
32	Dr Shivashankara A R	RGUHS	Father Muller Medical College Mangalore	NABL Accreditation and its Challenges	29 Aug 2018
33	Ms Prerana	MAHE	Department of Occupational Therapy, SOAHS	Mobilization and Occupational Therapy of Visually Challenged Individuals	11 Jun 2018
34	Dr K Chandrasekhar		Consultant Psychiatrist, Asha Hospital, Hyderabad	MHCA 2017	18 Aug 2018
35	Dr Shivaram C	NA	Consultant, Department of Transfusion Medicine, Manipal Hospitals, Bangalore	NABH orientation	7 Jul 2018
36	Dr Ashok Pillai	NA	Amrita Institute of Medical Sciences, Kochi	Robotics in Neurosurgery	21 Jul 2018

#### Guest visits

	Name	University	Country	Purpose	Date
1	Dr Joseph	Pantai Hospital, Kuala Lumpur	Malaysia	Campus visit	18 Jan 2018
2	R Sham Desai	World Commerce Centre	Hong Kong	Campus visit	19 Jan 2018
3	Dr Rathi Balachandran	ADG in Ministry of Health and Family Welfare	Government of India	Campus visit	27 Jan 2018
4	Dr Elnider McDonald	University of Pittsburgh	Health Science Centre, USA	Campus visit	5 Mar 2018
5	Prof Lorna Morham	University of Wollongong	Australia	Campus visit	23 Mar 2018
6	Dr Syafinaz Ameen	Nordin University Putra, Malaysia	Malaysia	Campus visit	23 Mar 2018
7	Roy D Russ	American Urological Association	Antigua Campus	Campus visit	4 Apr 2018
8	Ismail Moideen	Director of Simulation, Ngee Ann Polytechnic	Singapore	Campus visit	18 Sep 2018
9	Prof Wilf Yeo	University of Wollongong	NSW Australia	Campus visit	30 Nov 2018
10	Dr Tarun Kumar	Additional Professor, Department of Physiology	IGIMS Patna	Campus visit	1 Dec 2018

#### Details of Publications

Scopus Indexed – 530
Non-Scopus Indexed – 29

#### Conferences attended by Institution faculty and students

	National	International
Faculty	198	68
Students	178	34

### Details of Conferences/Workshops conducted by the Institution

Particulars	National	International
CME/CDE	50	--
Conferences	37	2
Workshops	40	1
Seminars	--	--
Others	--	--

### Books/chapters authored by faculty members

Sl. No	Name of the Book	Chapter/s name (if authored, chapters only)	Faculty members	Publisher
1	Biology of Pathogenic Actinobacteria: Nocardia and Allied Genera	Chapter 15: New and Future Developments in Microbial Biotechnology and Bioengineering	Dr Kiran Chawla and Dr Prakash P Y	Elsevier B V (All rights reserved)
2	EEG in Clinical Practice	Benign epileptiform variants	Dr Aparajita Chatterjee and Dr Kurupath Radhakrishnan	Manipal Universal Press
3	Hand book of Cardiocography	Effects of various drugs on CTG	Dr Muralidhar V Pai and Rekha Upadhya	CBS Publishers and Distributors Pvt Ltd 2018
4	Hand book of Cardiocography	Limitations of CTG monitoring	Muralidhar V Pai, Vidyashree Poojari	CBS Publishers and Distributors Pvt Ltd 2018
5	Ward rounds in Obstetrics and Gynecology	Hypertensive disorders of pregnancy	Muralidhar V Pai	Publisher JP Brothers Medical Publishers Pvt Ltd
6	ICOG Campus Newsletter	When to induce labour in high risk pregnancy	Muralidhar V Pai	ICOG Campus Newsletter
7	World Clinics in Obstetrics & Gynecology	Chapter on Anemia due to chronic diseases in pregnancy	Muralidhar V Pai	ICOG
8	Clinical Grand Rounds in Pediatric Infectious Diseases	Kawasaki Disease and PUO	Dr Pushpa G Kini	JAYPEE (IAP)
9	Protocols in Neonatology	Neonate with prolonged jaundice	Dr Leslie Lewis	IAP

### Details of Research Grants:

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
1.	A novel approach for the automated detection and quantification of eryptosis	Ms Sanu Susan Jacob	Ministry of Science and Technology, Department of Science & Technology	255,420.00	3 years
2.	Capacity building and strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	Dr Chiranjay Mukhopadhyay	JPN Apex Trauma Centre, All India Institute of Medical Sciences, New Delhi	500,000.00	3 years



Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
3.	Screening of Thalassemia Patients for Hyper-coagulation Status using Thromboelastography	Dr Shamee Shastry	Terumo Penpol Private Limited	100,000.00	1 year
4.	Investigating the role of IFT52 and EXOC6B in human biology and disease using cell-culture and Drosophila systems	Dr Priyanka Upadhyai	Science and Engineering Research Board, New Delhi	500,000.00	3 years
5.	Optimizing Disinfection protocol for Donor Arm Cleaning prior to Whole Blood Donation	Dr Manish Raturi	Science and Engineering Research Board, New Delhi	800,000.00	2 years
6.	Designing liposome based freezing medium for testicular tissue cryopreservation to aid in male fertility preservation	Dr Guruprasad Kalthur	Indian Council of Medical Research, New Delhi	786,500.00	3 years
7.	Lamp based assays for detection of carbapenem resistant gram negative infections	Dr Chiranjay Mukhopadhyay	Vitas Pharma Research Private Limited	50,000.00	1 year 10 months
8.	Lamp based assays for detection of carbapenem resistant gram negative infections	Dr Chiranjay Mukhopadhyay	Vitas Pharma Research Private Limited	286,000.00	1 year 10 months
9.	Capacity building and strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	Dr Chiranjay Mukhopadhyay	JPN Apex Trauma Centre, All India Institute of Medical Sciences, New Delhi	1,500,000.00	3 years
10.	Thiopurine Therapy in Inflammatory Bowel Diseases: Optimizing Existing Strategies	Dr Ganesh Pai	Science and Engineering Research Board, New Delhi	700,000.00	3 years
11.	Impact of maternal diabetes on pre-implantation embryo development: Non-invasive approach to assess embryo quality using oxygen consumption	Dr Satish Kumar Adiga	Science and Engineering Research Board, New Delhi	500,000.00	3 years
12.	Clinical and molecular evaluation of inherited arthropathies and multiple vertebral segmentation defects	Dr Girisha K M	Indian Council of Medical Research, New Delhi	1,532,383.00	3 years
13.	Development of procedures for restoration of fertility in cancer affected male individuals, post chemotherapy	Dr Satish Adiga	Science and Engineering Research Board, New Delhi	100,000.00	3 years
14.	Serum Osteocalcin and Parameters of Glucose Metabolism in type 2 Diabetes Mellitus	Dr Sudha Vidyasagar	Research Society for the study of Diabetes in India (RSSDI)	151,000.00	1 year 8 months

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
15.	Specific Research plan for Deep Learning convolutional neural network for delineating organ at risk structures in MRI Head & Neck volumetric images project	Dr Rajgopal KV	Philips India Ltd	60,000.00	3 months
16.	Regional Center for Antimicrobial Resistance Surveillance Network	Dr Chiranjay Mukhopadhyay	Indian Council of Medical Research, New Delhi	644,700.00	5 years
17.	Initiating Antimicrobial Stewardship activities in hospitals in India	Dr Muralidhar Varma	Indian Council of Medical Research, New Delhi	898,800.00	1 year
18.	Investigating the role of IFT52 and EXOC6B in human biology and disease using cell-culture and Drosophila systems	Dr Priyanka Upadhyai	Science and Engineering Research Board, New Delhi	1,000,000.00	3 years
19.	Development and validation of an electronic surveillance system for surgical site infections developing during hospital stay and after discharge: A Multi-centric study	Dr Chiranjay Mukhopadhyay	All India Institute of Medical Sciences, New Delhi	940,000.00	3 years
20.	Establishment of the Indian Stroke Clinical Trial Network (INSTRuCT)	Dr Sankar Prasad Gorthi	Indian Council of Medical Research, New Delhi	219,863.00	3 years
21.	Population Pharmacokinetic and Pharmacodynamic study of Caffeine and Aminophylline in Apnea of prematurity	Dr Leslie Edward Lewis	Science and Engineering Research Board, New Delhi	820,000.00	2 years
22.	Comprehensive analysis of genetic diversity in Waardenburg syndrome	Dr Anju Shukla	Science and Engineering Research Board, New Delhi	650,000.00	3 years
23.	Clinical and Molecular Characterization of Leukodystrophies in India Children	Dr Anju Shukla	Indian Council of Medical Research, New Delhi	671,962.00	3 years
24.	A comparative study of sperm viability and DNA fragmentation analysis in rapid pre-stained slides, Eosine-Nigrosine staining, Tunel and SCD	Dr Satish Kumar Adiga	SAR Healthline Private Limited	29,500.00	3 years
25.	A comparative study of sperm viability and DNA fragmentation analysis in rapid pre-stained slides, Eosine-Nigrosine staining, Tunel and SCD	Dr Satish Kumar Adiga	SAR Healthline Private Limited	64,900.00	3 years

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
26.	Fever, Hyperglycemia, Swallowing and Hypertension Management in Acute Stroke: A Cluster Randomized Trial (Indian Quality Improvement in Stroke Care Study) under "Indian Stroke Research Network"	Dr (Brig) Sankar Prasad	All India Institute of Medical Sciences, New Delhi	936,200.00	1 year 6 months
27.	Invitro assessment of antimicrobial activity spectrum of bioactive compounds	Dr Mamatha Ballal	Sami Labs Limited	50,179.50	1 year 7 months
28.	Specific Research Plan for Machine learning tool for diagnosis & staging of laryngeal cancer using CT Scan Project	Dr Rohit Singh	Philips India Ltd, Bangalore	150,000.00	2 years 4 months
29.	Clinical Competence Development Program @ KMC, Manipal-Training Fee	Dr Anil Bhat and Dr Rajgopal	Philips India Ltd, Pune	650,000.00	2 years
30.	Capacity building and strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	Dr Chiranjay Mukhopadhyay	JPN Apex Trauma Centre, All India Institute of Medical Sciences, New Delhi	500,000.00	3 years
31.	Registry of people with Diabetes in India with Young Age at Onset - II	Dr Sudha Vidyasagar	Indian Council of Medical Research, New Delhi	692,375.00	5 years
32.	Anti-Inflammatory exosomes: Potential drug delivery system to ocular diseases	Dr Dinesh Upadhyay	Ministry of Science and Technology, Department of Biotechnology	980,000.00	3 years
33.	Specific Research Plan for Pilot Study for development of a Data Analytics Model for Determining the prognostic Factors of Head & Neck Cancer	Dr Krishna Sharan	Philips India Ltd, Bangalore	150,000.00	7 Months
34.	Exhibit B-MAHE-40- Research Plan for chest X-ray Abnormality Annotation-Top 4 abnormalities and Normal CXR	Dr Rajgopal K V	Philips India Ltd, Bangalore	506,250.00	3 Months
35.	Exhibit B-MAHE-41-Research Plan for Chest X-ray Cavity Annotation	Dr Rajgopal K V	Philips India Ltd, Bangalore	39,000.00	2Months
36.	Baseline/Endline survey under NTCP	Dr Muralidhar	National Tobacco Control Program	33,000.00	
37.	MAASS	Dr Leslie Edward Lewis	Inclen Trust International, New Delhi	145,544.00	9 Months

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
38.	Development and validation of indigenous dialysis cartridge	Dr Shankar Prasad Nagaraju	BIG (Biotechnology Ignition Grant) scheme from BIRAC (Biotechnology Industry Research Assistance Council)	1,500,000.00	1 year 6 months
39.	Grant received towards periodical medical check up	Dr Muralidhar Kulkarni	Yashaswi Fishmeal & Oil Company	16,500.00	2 years
40.	Multicentric Collaborative study of the Clinical Biochemical and Molecular Characterization by Lysosomal Storage Disorders in India - an initiative for research in LSD	Dr Girisha K M	Indian Council of Medical Research, New Delhi	392,180.00	3 years
41.	Improving the clinical care of children and young adults with marfan syndrome and related disorders by molecular genetic testing through next-generation sequencing	Dr Girisha K M	Indian Council of Medical Research, New Delhi	1,155,660.00	3 years
42.	Impact of embryological interventions on functional, genetic and epigenetic integrity of gametes and embryos in ART	Dr Satish Kumar Adiga	Indian Council of Medical Research, New Delhi	1,638,100.00	3 years
43.	Grant received towards periodical medical check up	Dr Muralidhar Kulkarni	Yashaswi Fishmeal & Oil Company	61,600.00	9 months
44.	Advanced Embryology Training	Dr Satish Kumar Adiga	Merck Specialties Pvt Ltd	2,106,300.00	5 years
45.	Lamp based assays for detection of carbapenem resistant gram negative infections	Dr Chiranjay Mukhopadhyay	Vitas Pharma Research Private Ltd	325,920.00	1 year 10 months
46.	Comparison analysis of various diagnostic tools to resolve the diagnostic dilemma in Leptospirosis	Dr Shashidhar V	Indian Council of Medical Research, New Delhi	919,201.00	3 years
47.	Exosomes from human pluripotent stem cell derived GABAergic interneuron progenitors: Next-generation vehicles for treating GABA	Dr Dinesh Upadhyay	Science and Engineering Research Board, New Delhi	1,209,000.00	3 years
48.	Effect of maternal exposure of metformin on fetal gonadal development and their reproductive potential	Dr Guruprasad Kalthur	Science and Engineering Research Board, New Delhi	1,200,000.00	3 years

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
49.	Biology and Molecular Mechanisms of Melanocyte Keratinocyte Interaction and Pigmentation - An Approach towards Therapeutic Implication for Vitiligo	Dr Kumar MR Bhatt	Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi	117,000.00	4 years
50.	Electrophysiological and clinical correlates of facial emotion recognition in schizophrenia versus bipolar disorder	Dr Kirtana M Pai	Ministry of Science and Technology, Department of Science and Technology, Government of India, New Delhi	500,000.00	3 years
51.	Specific Research Plan: Anatomical classification of Ultrasound images for workflow optimization-data collection study phase 3 project	Dr Rajgopal K V	Philips India Ltd	321,550.00	10.07 months
52.	Establishing culture-independent genome sequencing for tuberculosis drug resistance: Platform for bilateral partnership in translational genomics to improve tuberculosis control	Dr Kiran Chawla	The University of Sydney, New South Wales	244,732.04	5 months
53.	Preventing smoking uptake among adolescents – A primary prevention initiative for chronic lung disease in India	Dr Muralidhar M K	Research Enterprise & Graduate Services, The University of Nottingham	2,524,149.50	4 years 5 months
54.	Antigen Detection Assay for Diagnosis of Melioidosis	Dr Chiranjay Mukhopadhyay	Inbios International	147,607.22	
55.	Primary prevention of chronic lung disease in India: preventing smoking uptake among adolescents	Dr Muralidhar M K	University of Nottingham	1,215,212.46	4 years 5 months
56.	Increasing participation in breast cancer screening & treatment within Manipal, India (Cantreat)	Dr Suma Nair	University of Aberdeen	476,056.50	3 Months
57.	Building capacity for applied research to reduce tobacco-related harm in low and middle income countries	Dr Muralidhar M K	University of Sterling	320,064.91	4 years 3 months
58.	Progression and cardiovascular outcomes of chronic kidney disease in the community: a pharmacoepidemiologic perspective	Dr Ravindra Prabhu	Griffith University	174,269.40	1 year 3 months
59.	Primary prevention of chronic lung disease in India: preventing smoking uptake among adolescents	Dr Muralidhar M K	University of Nottingham	4,300,736.44	4 years 5 months

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project
60.	Building capacity for applied research to reduce tobacco-related harm in low and middle income countries	Dr Muralidhar M K	University of Sterling	223,859.32	4 years 3 months
61.	Structural Modification of Clethodim to reduce the bio-hazards' effect	Dr Guruprasad Kalthur	King Khalid University	341,616.61	12 Months
62.	OBSI4286 Novartis HF Report, Protocol	Dr Tom Devasia	Mapi Life Sciences UK Ltd	1,293,030.00	
63.	Characterization of difference in the gut microbiome composition & function b/w cohorts of south east Asians, immigrants and 1st generation Indo-Canadians	Dr Mamatha Ballal	University of British Columbia	328,408.13	
64.	Identifying the enteropathogenic E coli isolated from adults and children suffering from acute gastroenteritis in Southern India	Dr Mamatha Ballal	University of Hong Kong	65,000.00	6 months
65.	Identifying the enteropathogenic E coli isolated from adults and children suffering from acute gastroenteritis in Southern India	Dr Mamatha Ballal	University of Hong Kong	60,000.00	6 months
66.	Primary prevention of chronic lung disease in India: preventing smoking uptake among adolescents	Dr Muralidhar M K	University of Nottingham	1,544,978.15	4 years 5 months
67.	Building capacity for applied research to reduce tobacco-related harm in low and middle income countries	Dr Muralidhar M K	University of Stirling	618,474.92	4 years 3 months
68.	Climate Diplomacy 2017-18	Dhanashree Jayram	Adelphi research gemeinnutzige Gmbh	119,729.70	18 months
69.	Development and validation of indigenous dialysis cartridge	Dr Shankar Prasad Nagaraju	BIG (Biotechnology Ignition Grant) scheme from BIRAC (Biotechnology Industry Research Assistance Council)	1,500,000.00	1 year 6 months

#### Awards/Recognitions: Institution

Sl. No.	Name	Details	Date
1.	Dr Pratap Kumar Department of OBG	"Excellence in Teaching Award-2017"	28 Mar 2018
	Dr Muralidhar V Pai Department of OBG		
	Dr Akhila Vasudeva Department of OBG		
	Dr Shripad Hebbar Department of OBG		

Dr Anjali M Department of OBG
Dr Shobha Kamath Department of Biochemistry
Dr Balakrishnan R Department of ENT
Dr Rohit Singh Department of ENT
Dr Ajay Bhandarkar M Department of ENT
Dr Shalini S Menon Department of ENT
Dr Vinod C Nayak Department of Forensic Medicine
Dr Vikram Palimar Department of Forensic Medicine
Dr B A Shastry Department of Medicine
Dr H Manjunath Hande Department of Medicine
Dr Muralidhar Varma Department of Medicine
Dr Sulatha V Bhandary Department of Ophthalmology
Dr Yogish S Kamath Department of Ophthalmology
Dr Sudha G Menon Department of Ophthalmology
Dr Anil K Bhat Department of Orthopedics
Dr Kiran V Acharya Department of Orthopedics
Dr Vivek Pandey Department of Orthopedics
Dr Hitesh Shah Department of Orthopedics
Dr Sandeep Vijayan Department of Orthopedics
Dr Nishant A Department of Orthopedics
Dr Kumar Amerendra Singh Department of Orthopedics
Dr Pushpa Kini Department of Pediatrics
Dr Shrikiran Department of Pediatrics
Dr Leslie E Department of Pediatrics
Dr Suneel M Department of Pediatrics
Dr Smita Shenoy Department of Pharmacology
Dr Bharti Chogtu Magazine Department of Pharmacology
Dr Kirtana Department of Physiology

	Dr Dhiren Department of Physiology		
2.	Dr Nalini K Department of Biochemistry	Good Teacher for the year-2017	Feb 2018
3.	Mrs Suchetha PK Department of Physiology	"Good Teacher award"-For BDS teaching	28 Mar 2018
	Dr Vasanthaxmi K Department of Physiology		
	Mrs Sanu susan Jacob Department of Physiology		
	Dr Dhiren Department of Physiology		
4.	Dr Muralidhar V Pai Department of OBG	Best AV Teaching Material Award	28 Mar 2018
5.	Dr Anjali M Department of OBG	The distinguished Alumni Award -2017	
	Dr Roopa P S Department of OBG		
	Dr Raghuraj Kundangar Department of Orthopedics		
	Dr Ravindra Maradi Department of Biochemistry		
6.	Dr Amrath Raj B K Department of Orthopedics	Best Teacher Award, KMC, Manipal "Excellence in Teaching Award-2017"	28 Mar 2018

### Faculty members

Sl. No.	Name	Details	Date
1.	Dr Shalini, Department of Genetics	Received the Developing Country Travel Award to attend the American Society of Human Genetics 2018 Annual Meeting held in San Diego, California	23 Jul 2018
2.	Dr Lakshmi Prasad, Associate Professor, Department of Neurosurgery, KMC, Manipal	Best E-poster award for his presentation on Incidence of post-decompressive craniotomy hydrocephalus after traumatic brain injury: Is duraplasty a risk factor?	17 – 19 Aug 2018
3.	Dr Varsha M Shetty, Assistant Professor, Department of Dermatology	Received <b>IADVL Scholarship</b> for MIDDERMACON 2018 held at Nagercoil, Kanyakumari, Tamilnadu by Indian Association of Dermatologists, Venereologists and Leprologists	10-12 Aug 2018
4.	a. Gangotri Panchanan b. Shreya Mukesh Agrawal Department of Clinical Embryology	First prize in poster presentation Agency: ACE (Academy of Clinical Embryologists), an international conference held at Goa	17-18 Aug 2018
5.	Dr Ajay Hegde Department of Neurosurgery	Received best paper award in NEUROVASCON 2018 at Chennai for his presentation on- Does SICH warrant decompressive craniotomy	7-9 Sep 2018
6.	Dr Aparajita Chatterjee, Department of Neurology	Secured third prize for presenting the E-poster titled "Utility of video-EEG monitoring in a tertiary care epilepsy center" in the 26th Annual Conference of the Indian Academy of Neurology at Raipur	27-30 Sep 2018



Sl. No.	Name	Details	Date
7.	Dr Sindhura Lakshmi, Department of Pathology	One of the best five case presentations selected for oral presentations in "My: interesting case – non MRD category" at Annual Meeting and workshops, AIIMS, New Delhi	29 Oct to 01 Nov 2018
8.	Dr Anil K Bhat, Prof and Head, Department of Orthopedics	Won the Best Innovation prize for his innovation on "Self-driven Hand Rehabilitation Device for Neuromuscular Deficiency Patients" at the 42nd Annual Conference of the Indian Society for Surgery of the Hand –(ISSH) ISSHCON 2018 held at Coimbatore	5-7 Oct 2018
9.	Dr Shalini S Menon, Department of ENT	Won Dr S K Mondal gold medal for best video presentation for presenting video titled "Congenital cholesteatoma: An overlooked diagnosis?" at 36th Annual Karnataka State and 14th South Zone ENT conference held at MIMS, Mandya, Karnataka	11-14 Oct 2018
10.	Dr Mary Mathew, Department of Pathology	The UNESCO Chair in Bioethics Haifa Award for Distinguished Leadership in Bioethics Education	Nov 2018
11.	Dr Ajay Bhandarkar, Department of ENT	Awarded third place in the Consultant Award E-Poster session in the 27th Annual National Conference of the Indian Society of Otolaryngology at Mysuru, Karnataka hosted by ISCON Mysuru 2018 trust	16-18 Nov 2018
12.	Dr Sudhir Nayak U K, Associate Professor, Department of Dermatology	Won Best E-Poster Award titled "Utilization of wooden spatula for pain alleviation in LASER hair reduction" during DERMACON -2018 46th National Conference of Indian Association of Dermatologists, Venereologists & Leprologists held at Kochi, Kerala	18-21 Jan 2018
13.	Dr Smitha Prabhu Department of Dermatology	Won the prize in quiz in the 46th National Conference of Indian Association of Dermatologists, Venereologist and Leprologists at Kochi, Kerala	18-21 Jan 2018
14.	Dr Shrutakirthi D Shenoi Department of Dermatology	Won prize in the quiz in the 46th National Conference of Indian Association of Dermatologists, Venereologist and Leprologists at Kochi, Kerala	18-21 Jan 2018
15.	Dr Sunanda Bharatnur	Awarded with fellowship by Indian College of Obstetrics and Gynecology (FICOG) at AICOG 2018, Bhubaneswar, Odissa	Jan 2018
16.	Dr Rekha Upadhyaya	Won FOGSI- Dr Jagadishwari Mishra Best Poster prize at 61st AICOG 2018, Bhubaneswar, Orissa. Poster Topic- The Efficacy of first trimester Doppler and Serum markers in Predicting Preeclampsia and Fetal Growth Restriction	Jan 2018
17.	Dr Manu Mohan K Department of Respiratory Medicine	Awarded certificate of appreciation for conducting the clinical update on 'Pulmonary Disease" for MBBS Phase I, Stage I students, as a part of the integrated module.	13 Feb 2018
18.	Dr Aswini Kumar Mohapatra, Department of Respiratory Medicine	Awarded certificate of appreciation for conducting the 'Clinical Update' on "Tuberculosis" for MBBS Phase I, Stage I students, as a part of the integrated module.	15 Feb 2018
19.	Dr Chenna Deepika, Assistant Professor Department of IHBT	1st prize in poster presentation DIAGNOCON Conference – 2018, KMC, Manipal	Feb 2018
20.	Dr Manish Raturi, Assistant Professor Department of IHBT	2nd prize in poster presentation, DIAGNOCON Conference - 2018 , KMC, Manipal	Feb 2018

Sl. No.	Name	Details	Date
21.	Dr Manish Raturi, Assistant Professor Department of IHBT	International Travel Grant to Israel ITS Travel Grant [PFA/2260/17-HRD] Granted by: Council of Scientific and Industrial Research, New Delhi	21-25 Apr 2018
22.	Dr Vinod Kumar K, Associate Professor, Department of Neurosurgery	Felicitated by Misha Sports Club for services rendered to the society	28 Mar 2018
23.	Dr Sindhura Lakshmi K L, Department of Pathology	Selected for International Society of Laboratory Hematology 2018 mentorship program which provides travel grant, waiver for registration fee and accommodation for ISLH international symposium 2018 to be held at Brussels, Belgium and ISLH international symposium in Vancouver, Canada	9-12 May 2018
24.	Dr Navin A Patil, Department of Pharmacology	Dr Navin Ashok Patil was declared the most proficient faculty of India for the year 2018. He was recognized as the most productive author/researcher in the field of Pharmacology, pharmaceuticals and toxicology with 76 publications in 2015-2017 with a cumulative 10 citations. He was awarded with a cash prize and a citation at New Delhi from the Hon. HRD Minister Shri Prakash Javadekar.  Granting agency, Careers 360	Mar 2018
25.	Dr Arvind Kumar Pandey Department of Anatomy	Received "Letter of Commendation" from Medical Council of India's Nodal Center for Faculty Development, St. John's Medical College, Bangalore for his paper presentation (Poster) titled "Is Lecture Capturing System a Blessing in Disguise for Teaching and Learning Anatomy" as a part of the MCI's Advance Course in Medical Education at Bangalore.	7 Apr 2018
26.	Dr Shankar M Bakkannavar, Associate Professor Department of Forensic Medicine	Received "Best Poster Award" titled "Clinico-epidemiological Profile of Snakebite Patients in a Tertiary Care Centre in South India" at the 12th Annual National Conference of Indian Society of Toxicology TOXOCON – 12, at Sikkim Manipal Institute of Medical Sciences, Gangtok	6-7 Apr 2018
27.	Dr Guruprasad Kalthur Department of Clinical Embryology	Visiting scientist at Mayo Clinic, Rochester, USA	May 2018
28.	Dr B Prakash Babu Department of Anatomy	Certificate of Excellence in Reviewing was awarded by Asian Journal of Case Reports in Surgery, Science Domain International in recognition of an outstanding contribution to the quality of the Journal	Jun 2018
29.	Dr Chythra R Rao Department of Community Medicine	Awarded scholarship to attend McGill summer course at Montreal, Canada	11-20 Jun 2018

### Students

Sl. No.	Name	Details	Date
1	Anusha Taarinie Jha and Akshay Thimmappa	Among 20 students selected from India for the 68th Lindau Nobel Laureate Meeting, Germany	24-29 June 2018

Sl. No.	Name	Details	Date
2	Sidharth Ramesh	First place in innovation challenge, Healthon 2018	--
3	Roshini Raghu	SRMC, Chennai Conference: 1st (Medical)	30 Jul - 1 Aug 2018
4	Harsimran Kaur Bhatia	SRMC, Chennai Conference: 1st (Surgical)	
5	Akhilesh Gonuguntla	SRMC, Chennai Conference Research Presentation: 2nd Place	30 Jul - 1 Aug 2018
6	Anagha Harikumar	Gomecon, Goa Conference Case Presentation: First place	19 - 20 May 2018
7	Ishita Singh	GOMECON, Goa Conference: Debate: First place	19 - 20 May 2018
8	Reetobaan Datta	GOMECON, Goa Conference: Essay Writing: Second place	19 - 20 May 2018
9	Rijushree Saha	VMMC, Delhi Conference: Best Poster	26-29 April 2018
10	Sanchaya Khetrupal	VMMC, Delhi Conference: Best Case Presentation	26 - 29 April 2018
11	Reetobaan Datta	Neigrihms Ug-Con: Best Essay	17 - 19 Aug 2018
12	Ishita Singh	Autumn Muse, St John's Medical College, Bangalore	5- 9 Sep 2018
13	Reetobaan	Medical Debate 2 <sup>nd</sup> Place	
14	Ishita	Autumn Muse, St John's Medical College, Bangalore Awarded 'Best Delegate' In The Model Un.	9 Sep 2018
15	Avinash Rao	Autumn Muse, St John's Medical College, Bangalore	6 Sep 2018
16	Ashish Rao	General Quiz: Third place	
17	Xerxes Rahman		
18	Avinash Rao	Autumn Muse, St John's Medical College, Bangalore	6 Sep 2018
19	Lawaa Lakhmani	General Medical Quiz: First place	
20	KMC Dramatics Team	Autumn Muse, St John's Medical College, Bangalore Street play: Third place	5- 9 September 2018
21	Reetobaan	Autumn Muse, St John's Medical College, Bangalore	5- 9 Sep 2018
22	Suhan	Potpourri	
23	Ravikiran	Third place	
24	Deeksha	Autumn Muse, St John's Medical College, Bangalore Slam Poetry: First place	5 - 9 Sep 2018
25	Niyati Jain	Collage making, Invictus: Second place	25 April 2018
26	Bhumika Choudhary	Best Debater, FMMC, Mangalore	17 March 2018 19 October 2018
27	Avinash Rao G	First place, Bizscitech quiz, MIT, Manipal	3-6 October, 2018
28	Avinash Rao G	Second place, General quiz, MIT	3 - 6 October 2018
29	Sufiyan Ibrahim	First place in Anatomy Quiz, Qriosity, Kempegowda Institute of Medical Sciences, Bengaluru, Karnataka	2018
30	Sufiyan Ibrahim	First place in Ophthalmology in Undergraduate Quiz, Yenepoya Medical College, Mangalore	2018

Photo Archive of Important events



A two-day workshop on "State Farmers health Awareness and Personality Development Workshop" was conducted at Manipal on 29-30 January 2018. The workshop was inaugurated by Shri Pramod Madhwaraj, the Minister for Fisheries, Sports and Youth Affairs, Government of Karnataka.



Matribhasha Diwas at Kasturba Medical College, Manipal on 24 Feb 2018 to promote the dissemination of mother tongues and fuller awareness of linguistic and cultural traditions among the students and faculty



Dr Navin Ashok Patil, Associate Professor, Department of Pharmacology, KMC Manipal, receiving the faculty research award from Shri Prakash Javadekar, Union Minister, Ministry of Human Resource Development, Government of India



Launch of 'E-Guru', an Alumni Initiative



Inaugural ceremony of APPICON 2018 and felicitation of Dr A Krishna Rao and Dr PLN Rao from Department of Physiology, KMC Manipal



Manipal- Kentucky Breast Cancer symposium was conducted on 11 Dec 2018 at MAHE, this being the second edition of the collaborative initiative between University of Kentucky and MAHE. The chief guest of the event was Dr Rajesh Dikshit, Director, Centre for Cancer Epidemiology, Tata Memorial Centre, Mumbai



South Zone Association of Clinical Biochemists of India Conference 2018 was conducted on 6-8 Dec 2018



Inauguration of KAMLSCON 2018



World Heart Day and Daan Utsav 2018



Cardio-pulmonary resuscitation training





Free Diabetes Screening camp by Kasturba Hospital Manipal and Kasturba Hospital, as part of World Diabetes Day to create awareness on Diabetes



National Tuberculosis Conference at Kasturba Medical College, Manipal



International Symposium on Tobacco Control and Regional Stakeholders Meeting



Sidharth Ramesh, third year MBBS student congratulated by Dr Pragna Rao, Dean, KMC Manipal for winning the first place in innovation challenge, Healthon 2018



Inaugural ceremony of IGCLA 2018 (L – R) Dr Partha Dabke, Dr Pragna Rao, Dr PLNG Rao, Dr H S Ballal, Ms Margret Hellwig Botte, Dr Reena Nayyar, Dr H Vinod Bhat, Dr Poornima Baliga B and Ms Apoorva





Students from Lewis Katz School of Medicine, Temple University, Philadelphia on a wilderness medicine expedition



Anusha Taarinie Jha and Akshay Thimmappa were among 20 students selected from India for the 68th Lindau Nobel Laureate Meeting between 24 and 29 June 2018



Kasturba Medical College, Manipal and NABL Accredited Kasturba Hospital Laboratory Services, Manipal organized DIAGNOCON 2018 from 23 to 25 Feb 2018



The Manipal Global Medical Education Conclave held on 6 Apr 2018



Inaugural ceremony of Manipal Comprehensive Cancer Care Centre on 24 Oct 2018

### Medical Simulation Centre



