

JIPMER ANNUAL REPORT

2013-2014



Jawaharlal Institute of Postgraduate Medical Education & Research
Puducherry – 605 006.

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Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER)

Jawaharlal Institute of Postgraduate Medical Education and Research originated as École de Médecine de Pondichéry established by the French Government in the year 1823. This medical school was converted into Dhanvantari Medical College at the time of de facto transfer of Pondicherry to Government of India. This medical college was later upgraded into Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER). JIPMER was declared as an Institution of National Importance by an Act of Parliament on 14th July 2008.

JIPMER is well known for its undergraduate and postgraduate medical courses and its alumni have excelled in different disciplines all over the world. JIPMER runs a popular MBBS course. Postgraduate programs (MD/MS) are offered in 23 disciplines. Super Speciality programs (DM/MCh) are conducted in 16 disciplines. There are PhD programs in 5 disciplines and Fellowship courses in 4 disciplines. JIPMER also conducts other courses including MSc (Medical Biochemistry), BSc (MLT), BSc Allied Medical Sciences courses, MSc MLT (Microbiology), MSc Cytopathology and MSc Medical Physiology. College of Nursing conducts BSc Nursing and MSc Nursing programs.

JIPMER conducts a nationally acclaimed ten day National Course on Educational Science for Teachers of Health Professionals. This is the only ten day residential course on Educational Science for Teachers of Health Professionals organized in India. JIPMER has been conducting this course twice a year without interruption since the year 1976. JIPMER has been undertaking research in various pre-clinical, para-clinical and clinical disciplines. The JIPMER Scientific Advisory Committee and Institute Ethics Committees (Human Studies and Animal Studies) closely monitor all the research activities.

There are forty three academic departments and one academic division which directly or indirectly take part in rendering high quality medical care to patients and most of the patients treated at JIPMER belong to low socioeconomic group. The daily average number of outpatients treated was 6,247 and daily average number of inpatients treated was 1,481 in the year 2013-14. A total of 18,74,002 outpatients were treated and a total of 72,908 admissions were made in JIPMER Hospital in the year 2013-14. Under the Rashtriya Arogya Nidhi (RAN) 40 patients were benefited and Rs.28,79,036 were utilized during the year. In addition to main Hospital, Super Speciality Block, Regional Cancer Centre and Women and Children Hospital provide state of the art medical care in different areas largely to poor patients from in and around Puducherry.

As part of its extension programmes, JIPMER has been involved in running its Rural Health Centre at Ramanathapuram and Urban Health Centre at Kurusukuppam in Puducherry and outreach Centre in Karaikal region of Puducherry.



JIPMER

ORGANISATION

The Institute Body



The Governing Body



Standing
Finance
Committee

Standing
Selection
Committee

Standing
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Committee

Standing
Estate
Committee

Standing
Hospital Affairs
Committee

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Director's Review/Executive Summary

I am extremely pleased to report on this Golden Jubilee year that JIPMER is on the upswing and is vibrant!!!

ACADEMIC HIGHLIGHTS

The Fourth Convocation of JIPMER was held on April 20, 2013. Prof. (Dr) M. S. Swaminathan, UNESCO Chair in Eco technology, Emeritus Chairman and Chief Mentor, M. S. Swaminathan Research Foundation, Chennai was the Chief Guest and delivered the convocation address. Degrees were awarded to the MBBS, PG and Super Specialty graduates who had successfully completed the courses. President of JIPMER and the Chief Guest distributed the degrees and the awards. A total of 289 Degrees and 64 Medals were awarded.

- i. The intake in MBBS course was increased to 150 seats for which 69,391 applications were received and 52,298 candidates appeared in the entrance examination. Out of them 33,058 candidates qualified.
- ii. The intake in super specialty courses was 28 seats and in post-doctoral fellowship courses 13 seats.
- iii. The system of on-line submission of application for admission was introduced for specialty courses
- iv. M.Sc. Allied Medical courses in Medical Physiology and Cyto Pathology continued with an annual intake of four seats in each discipline.
 - v. M.Sc. (Nursing) programme is officered in 5 disciplines with an annual intake of 25 students.
- vi. B.Sc. Allied Medical courses in Cardiac Laboratory Technology and Nuclear Medicine Technology admitted four students each during the academic year 2013–2014.
- vii. The Standing Academic Committee in its 5th Meeting held on 15.03.2013 approved the starting of MD course in Nuclear Medicine, D.M. course in Endocrinology and increase in admission capacity for the existing D.M. course in Clinical Immunology.
- viii. M.Ch. course in Surgical Oncology, 1 year Post B.Sc. Diploma course in 7 specialized areas of Nursing and MD course in Emergency Medicine have begun.
- ix. As part of our Golden Jubilee Celebrations in calendar year 2014, an International Summit on Emergency Medicine and Trauma (ISEMT 2014) was organized in February 2014, with nearly 90 faculty from India and abroad, conducted CMEs, workshops and hands-on training for over 800 delegates.
- x. Modular teaching was enhanced in MBBs course and projects on common clinical problems were carried out in the 6th and 7th semester. The hands-on training for first aid and communication strategies were introduced.
- xi. M.Sc. MLT Microbiology, Cyto-Pathology and M. Sc Medical Physiology courses are offered with an annual intake of four students each.
- xii. Master of Public Health—a two years Postgraduate Course in Public Health with an annual intake of 30 students was started in January 2014. In addition to our institute faculty, various faculty from international programmes such as Public Health England as well as our national programme such as NIE (Chennai) and VCRC (Puducherry) have already been co-opted to serve as Visiting/ Adjunct faculty to teach the MPH course. Our National Teacher Training Center has expanded to meet the national needs of capacity building for teachers and bring in teaching innovations to align with national health missions.

- xiii. Our library has set up 2nd Computer lab with 'classroom of future' and Wi Fi connectivity and additional journals at the cost of ₹ 1.25 crores. The total budget allocation for 2013–2014 is ₹ 4 crores for print/online journals and ₹ 1 Crore for books. In order to expand our online library resources we will explore subscription for Science Direct through consortia.

RESEARCH HIGHLIGHTS

JIPMER has been promoting research activities in medical sciences such as modern medicine, public health and medical education since its inception. A division of Research was created with the aim of fostering research activities at all levels with the following objectives: (a) Strengthen research capability (b) Creation of new knowledge by research (c) Dissemination of new knowledge (d) Influencing national/global health policy/programmes. The idea was to conduct quality research in high priority thrust areas, i.e. problems of national importance and translate the findings from the bench to the bedside and hence to the field to influence clinical decision making and policy making in the long run.

These objectives are being achieved by adopting many ways: conducting a series of workshops on research methodology, biostatistics and epidemiology, animal and laboratory experimentation for faculty at all levels to foster research in the Institute; and by encouraging research projects with external funding from International and National agencies. In 2014, for the first time in JIPMER's history, the total value of extramural research grants approved reached more than ₹ 34 crores including nearly ₹ 8 crores of international funding including Indo-US Research programme, IAPSM Ford Foundation, National Centre for Disease Control, Department of Health Research, Wellcome trust (USA); and nearly ₹ 26 crores from various national agencies such as ICMR, DBT, and DST. The projects receiving in excess of ₹ 1 Crore each include: Establishment of Regional Virology Network Laboratory; Nodal coordinating centre for surveillance of antimicrobial resistance; Biomarkers for Risk of TB; and Molecular mechanisms of portal hypertension.

JIPMER has also signed Memoranda of Understanding with various international organizations such as Columbia University (Sister Renal Center Program), NIH (Indo-US TB project), Western Ontario Cancer Center (Brachytherapy), Lariboisiere Hospital (Cardiology and EM), CORIS Belgium (Immunochromatography), University of Otago (Stem Cell Research) and Florey Institute (Collaboration in Mental Health) in various fields of communicable as well as non-communicable diseases. The quantum of internal intramural research funding by JIPMER for the faculty, PGs, Ph.D. scholars has been increased to ₹ 5 lakhs, ₹ 2 lakhs and ₹ 3 lakhs, respectively. Intramural research grants, totaling ₹ 1 Crore were sanctioned for the year 2013–2014, for new and ongoing projects of faculty and PG projects guided by faculty. In order to boost the output of PhD scholars, SOP, guidelines and log book for carrying out research by PhD scholars have been formulated and the stipend has been increased on par with PhD scholars of AIIMS and PGIMER.

Newer committees such as Institutional Bio-Safety Committee (IBSC) have been constituted for implementation of the biosafety regulatory framework. Institutional Committee for Stem Cell Research and Therapy (IC-SCRT) has been formed to promote basic and clinical stem cell research and the Sponsored Clinical Trial Research Committee is set up to take care of all aspects of sponsored clinical trials and clinical research conducted in JIPMER. JIPMER faculty published more than 400 research papers in national and international journals this year.

CLINICAL ACHIEVEMENTS

Our average outpatient and emergency room attendance continues to expand and now stands more than 6,500 patients per day, and the total annual OPD attendance is about 18.80 Lakhs. We admit over 73,000 patients and perform in excess of 38.80 lakhs investigations annually. Over 36,000 operations are performed annually. Our rural and urban health centres and outreach centres in Karaikal recorded over 50,000 outpatient visits during the last year. These outreach programmes and screening camps

offer a wide array of services to the community ranging from immunizations, perinatal care, screening for NCDs and taking tertiary expertise to the reach of populations. Through the augmentation of our telemedicine programme, our intention is to expand our reach, decentralise care and offer consultative tertiary services at the community level.

To expand our capabilities in healthcare quality and patient safety, we conducted a workshop and CME programme on patient safety in November 2013, with participants from across the organisation and adding 100 more members to our JIPMER Quality Council. This quality cell is comprised of representatives from all departments institute wide, and is making great strides in many domains of quality. During the last 2 years we started the building blocks towards a full-fledged Multiorgan transplant program. We added deceased donor component to our live donor renal transplantation programme and have expanded bone marrow transplantation services.

PAYING ATTENTION TO OUR WORKPLACE, WORKFORCE AND CAMPUS LIVING

A 'Clean JIPMER, Green JIPMER, Strong JIPMER' campaign was launched during 2012–2013 and to this we have added Fit JIPMER and SMART JIPMER. The campaign goals are to create a culture of civic responsibility for campus cleanliness, renewable energy, water conservation, reducing carbon emission, employee wellness/exercise/fitness and skills development for all workers so as to develop sustainable environmentally sound campus and well prepared work force. Over 2,000 trees and saplings have been planted. In order to beef up our infrastructure, an engineering division has been formed, new roads have been laid across whole campus and IT networking with fibre optic/copper cables as well as campus wide Wi Fi connectivity has been enabled. Our website is continuously reengineered to be functionally the best of the breed.

A broad based counselling group has been formed to enhance our existing safety net system and to develop that invisible hand in order to reach and touch each and every mind in need. We also initiated a robust mentorship programme for all students.

Future Plans

Our priority areas for the next year are:

- i.** JIPMER International School of Public Health
- ii.** Institute of Allied Health Sciences
- iii.** Augmentation of Power with creation of 110 KVA substation and renewable energy solutions such as solar power
- iv.** Apex Emergency, Trauma and Disaster Management Center
 - v.** Multi Organ Transplant Programme including stem cell and regenerative medicine
 - vi.** Expansion of Laboratory Services, BSL3 facility and Pneumatic tube conveyer system
- vii.** Staff Wellness Center including swimming pool
- viii.** Upgradation of various specialties and super specialties

We serve as a tertiary care medical institution not only to the population of Puducherry, but also to the neighbouring states of Tamilnadu, Karnataka, Kerala and Andhra Pradesh. While we are designated as a postgraduate institution, we serve as a vertically and horizontally integrated health system, offering the full spectrum of services from primary care to quaternary care and community care. This is achieved through our hub hospital linked to rural and urban centres, thus positioning us as a model for Universal Health Care (UHC) delivery for India. Further, this care is rendered focusing on the poor and needy, with an impressive reduction of out of pocket expenditure for the patients and their families. This imperative of UHC through health care innovations and health services research will be the underpinning for developing one of a kind public health school, termed 'JIPMER International School of Public Health'.

In keeping with our motto of 'Breaking Boundaries—Finding Frontiers' and one of our missions, namely, partnerships with organizations with congruent ideals, we have signed MoUs and collaborative agreements with several institutions around the globe, unprecedented in JIPMER history.

In 2014 we are celebrating JIPMER's 50th anniversary. We thank the JIPMER alumni Association of North America, along with other global diaspora of alumni, for their event in Boston in August 2013, to have chosen the theme of 'Giving back to the Alma mater'. In keeping with the campaign of 'JIPMER 50' we have started a fund raising drive to generate ₹ 50 crores of endowment/corpus. To this end, we have already received ₹ 50 lakhs of in-kind donation of solar power from one of our distinguished alumni—a special event to recognize this donation happened in early 2014.

We will strive for perfection in care by putting patients first and will change the lives of people by harnessing human potential. The goal is to attain better health/wellness for populations at affordable cost, driven by quality and value.

Serving the underserved and building new knowledge are the two strands of JIPMER DNA.

It is my distinct privilege to submit this annual report of JIPMER, as its Chief Executive.

Dr. T.S. Ravikumar

Director, JIPMER.

4th Convocation – 20th April 2013





The Institute Body and Its Committees

GOVERNING BODY

S. No.	Name and Designation	
1.	Prof (Dr) N K Ganguly, The President, JIPMER	President
2.	Shri.S.S.Ramasubbu, Hon'ble Member of Parliament (LS)	Member
3.	Shri Kesav Desiraju, IAS Secretary to the Government of India, Ministry of Health and Family Welfare	Member
4.	Smt M. Sathiyavathy, Chief Secretary, Government of Puducherry	Member (Till 14.05.2013)
5.	Shri Chetan B.Sanghi, IAS Chief Secretary, Govt. of Puducherry	Member (From 15.05.2013)
6.	Prof (Dr) M.S. Ramachandran, (Former Professor and HOD, Department of Medicine, Madras Medical College)	Member
7.	Dr. V. Kanakaraj, (Former Professor and HOD, Department of Anaesthesiology, Madras Medical College), Chennai	Member
8.	Prof (Dr) Surendran, Professor and Head, Institute of Surgical Gastroenterology, Government Stanley Medical College, Chennai.	Member
9.	Dr. K.S. Reddy, Dean, JIPMER	Member (Till 19.12.2013)
10.	Dr. S. Mahadevan, Dean, JIPMER	Member (From 20.12.2013)
11.	Dr. S.C. Parija, Professor (Senior Scale) of Microbiology and Head of Research, JIPMER	Member (Till 06.12.2013)
12.	Dr. Renuka Srinivasan, Professor (Senior Scale) and Head of the Department of Ophthalmology	Member (From 07.12.2013)
13.	Dr. S.Habeebullah, Professor and Head, Dept. of Obst and Gynae, JIPMER	Member (Till 17.05.2013)
14.	Dr. C. Adithan, Professor (Senior Scale), Department of Clinical Pharmacology	Member (From 18.05.2013)
15.	Dr. Jagdish Prasad, Director-General of Health Services, Government of India	Member
16.	Shri S.K. Srivastava, Additional Secretary and Financial Advisor, Ministry of Health and Family Welfare, Government of India	Member
17.	Dr. T.S. Ravikumar, Director, JIPMER	Member Secretary

INSTITUTE BODY

S. No.	Name and Designation	
1.	Prof. (Dr.) N. K. Ganguly The President, JIPMER	President
2.	Shri. Gnanadesikan, Hon'ble MP, (RS)	Member
3.	Dr. Sanjay Jaiswal, Hon'ble M.P. (LS)	Member
4.	Thiru S.S. Ramasubbu, Hon'ble Member of Parliament (LS)	Member
5.	Shri Kesav Desiraju, IAS, Secretary to the Government of India, Ministry of Health and Family Welfare.	Member
6.	Dr. Jagdish Prasad, Director General of Health Services, Govt. of India	Member
7.	Dr. (Mrs). Chandra Krishnamurthy, Vice-Chancellor, Pondicherry University	Member
8.	Dr. Shantaram, Vice-Chancellor of the Tamil Nadu Dr. M. G. R Medical University, Chennai	Member
9.	Smt. M. Sathiyavathy Chief Secretary, Government of Puducherry	Member (Till 14.05.2013)
10.	Shri.Chetan B. Sanghi, IAS, Chief Secretary, Government of Puducherry	Member (From 15.05.2013)
11.	Shri S. K. Srivastava Additional Secretary and Financial Advisor, Ministry of Health and Family Welfare, Government of India	Member
12.	Prof (Dr.) M.S. Ramachandran, (Former Professor and HOD, Department of Medicine, Madras Medical College),	Member
13.	Prof. Indira Chakravarty (Former Director, All India Institute of Public Health),	Member
14.	Prof. D.Viswanathan (Former Vice-Chancellor, Anna University), Chennai.	Member
15.	Dr. V.Kanakaraj, (Former Professor and HOD, Department of Anaesthesiology, Madras Medical College),	Member
16.	Dr. B.K.Goyal, Director, Interventional Cardiology and Hon. Dean, Bombay Hospital and Medical Research Centre, Mumbai.	Member
17.	Prof. Avijit Banerji, Programme Co-ordinator Centre of Advanced Studies, Department of Chemistry University College of Science and Technology Kolkata	Member
18.	Prof. (Dr.) Suneeta Mittal, Former Professor and Head Department of Obstetrics and Gynecology, All India Institute of Medical Sciences, New Delhi	Member
19.	Prof. (Dr.) K. K. Talwar, Former Director, PGIMER, Chandigarh and and Former Chairman Board of Governors MCI	Member
20.	Prof. (Dr.) D. Nagaraja , Former Director/Vice-Chancellor, National Institute of Mental Health and Neuro Sciences, Bangalore	Member
21.	Prof. (Dr.) R. Surendran, Professor and Head, Institute of Surgical Gastroenterology, Government Stanley Medical College, Chennai.	Member
22.	Dr. T.S.Ravikumar, Director, JIPMER	Member Secretary

STANDING FINANCE COMMITTEE

S. No.	Name and Designation	
1.	Shri Kesav Desiraju Secretary to the Government of India Ministry of Health and Family Welfare	Chairman
2.	Dr.Sanjay Jaiswal, Hon'ble M. P. (LS),	Member
3.	Dr. Jagdish Prasad, Director General of Health Services, Govt. of India, Nirman Bhavan, New Delhi	Member
4.	Shri S. K. Srivastava Additional Secretary and Financial Advisor, Ministry of Health and Family Welfare, Government of India	Member
5.	Smt. M. Sathiyavathy Chief Secretary, Government of Puducherry	Member (Till 14.05.2013)
6.	Shri. Chetan B. Sanghi, IAS, Chief Secretary, Government of Puducherry	Member (From 15.05.2013)
7.	Prof. (Dr.) K. K. Talwar, Former Director, PGIMER, Chandigarh and and Former Chairman Board of Governors MCI	Member
8.	Prof. (Dr.) D. Nagaraja Former Director, National Institute of Mental Health and Neuro Sciences, Bangalore.	Member
9.	Prof. D. Viswanathan Former Vice-Chancellor, Anna University, Chennai.	Member
10.	Dr. V. Kanakaraj, Former Professor and HOD, Department of Anaesthesiology, Madras Medical College, Chennai,	Member
11.	Prof. Indira Chakravarty, Former Director, All India Institute of Public Health, Kolkata	Member
12.	Dr. T.S. Ravikumar, Director JIPMER	Member Secretary

HOSPITAL AFFAIRS COMMITTEE

S. No.	Name and Designation	
1.	Dr. Jagdish Prasad, Director General of Health Services, Govt. of India	Chairman
2.	Thiru S.S. Ramasubbu, Hon'ble Member of Parliament (LS), Tirunelveli	Member
3.	Prof. (Dr.) D. Nagaraja, Former Director/Vice-Chancellor, National Institute of Mental Health and Neuro Sciences, Bangalore	Member
4.	Prof. (Dr.) M.S. Ramachandran, Former Professor and HOD, Department of Medicine, Madras Medical College, Chennai	Member
5.	Dr. V. Kanagaraj, Former Professor and HOD, Department of Anaesthesiology, Madras Medical College, Chennai	Member
6.	Dr. K.K.Talwar, Former Director PGIMER Chandigarh and Former Chairman Board of Governors MCI	Member
7.	Prof. Abhijit Banerji, Programme Co-ordinator Centre of Advanced Studies, Department of Chemistry University College of Science and Technology Kolkata	Member

(Continued)

S. No.	Name and Designation	
8.	Dr.A.K.Das, Medical Superintendent, JIPMER	Member (Till 19.12.2013)
9.	Dr.J. Balachander, Medical Superintendent, JIPMER	Member (From 20.12.2013)
10.	Dr.S.Srinivasan, Retd Professor and Head, Department of Paediatrics, JIPMER and Professor and Head Department of Paediatrics, MGMCRI, Puducherry	Member
11.	Dr.T.S.Ravikumar, Director, JIPMER	Member Secretary

STANDING SELECTION COMMITTEE

S. No.	Name and Designation	
1.	Prof.(Dr.) R. Surendran, Professor and Head, Institute of Surgical Gastroenterology, Government Stanley Medical College, Chennai.	Chairman
2.	Dr. Jagdish Prasad, Director General of Health Services, Govt. of India, Nirman Bhavan, New Delhi – 11.	Member
3.	Prof (Dr.) K. K. Talwar, Chair Person Board of Governors	Member
4.	Prof. (Dr.) D. Nagaraja Former Director/Vice Chancellor, National Institute of Mental Health and Neuro Sciences, Bangalore.	Member
5.	Prof (Dr.) M.S. Ramachandran, (Former Professor and HOD, Department of Medicine, Madras Medical College), Chennai	Member
6.	Dr. V. Kanakaraj (Former Professor and HOD, Department of Anaesthesiology, Madras Medical College), Chennai,	Member
7.	Prof. Indira Chakravarty (Former Director, All India Institute of Public Health), Kolkata- 700019	Member
8.	Dr. K. Saraswathy, (Ex. Director, Institute of Obst and Gynae),	Member
9.	Dr. Nalli R. Yuvaraj (Associated Prof. of Spinal Surgery, MMC)	Member
10.	Dr. T.S. Ravikumar, Director, JIPMER	Member Secretary

STANDING ESTATE COMMITTEE

S. No.	Name and Designation	
1.	Prof. D.Viswanathan (Former Vice-Chancellor, Anna University), Chennai.	Chairman
2.	Shri B. S. Gnanadesikan Hon'ble M.P. (Rajya Sabha),	Member (Till 24.07.2013)
3.	Dr. B. K. Goyal, Director, Interventional Cardiology and Hon. Dean, Bombay Hospital and Medical Research Centre, Mumbai	Member

4.	Smt. M. Sathiyavathy Chief Secretary, Government of Puducherry	Member (Till 14.05.2013)
5.	Shri. Chetan B. Sanghi, IAS, Chief Secretary, Government of Puducherry	Member (From 15.05.2013)
6.	Prof. (Dr.) D. Nagaraja Director/Vice Chancellor, National Institute of Mental Health and Neuro Sciences, Bangalore	Member
7.	Dr.P. H. Anantharayanan, Professor (Senior Scale) of Bio Chemistry, JIPMER	Member
8.	Dr.S. Badrinath, Project Consultant, JIPMER	Member
9.	Dr.T.S. Ravikumar, Director, JIPMER	Member Secretary

STANDING ACADEMIC COMMITTEE

S. No	Name and Designation	
1.	Prof (Dr.) M.S. Ramachandran, (Former Professor and HOD, Department of Medicine, Madras Medical College), Chennai	Chairman
2.	Shri B.S. Gnanadesikan Hon'ble M.P. (Rajya Sabha)	Member (Till 24.07.2013)
3.	Dr. Jagdish Prasad, Director General of Health Services, Govt. of India	Member
4.	Prof. D. Shantharam, (Retd Vice-Chancellor, Tamil Nadu Dr. M.G.R Medical University, Chennai)	Member
5.	Prof (Dr.) K. K. Talwar, Chair Person Board of Governors, MCI	Member
6.	Prof. (Dr.) D. Nagaraja Former Director/Vice Chancellor, National Institute of Mental Health and Neuro Sciences, Bangalore.	Member
7.	Prof. (Dr.) Suneeta Mittal Prof. and Head, Department of Obstetrics and Gynaecology, All India Institute of Medical Sciences, New Delhi.	Member
8.	Prof.(Dr.) R.Surendran, Retd. Professor and Head, Institute of Surgical Gastroenterology, Government Stanley Medical College, Chennai.	Member
9.	Dr.V.I.Mathan, (Ex Director, CMC, Vellore),	Member
10.	Dr.V.M.Katoch, Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi -110029.	Member
11.	Secretary or his nominee (not below the rank of Joint Secretary) in the Department of Higher Education, Ministry of Human Resource Development, GOI	Member
12.	Dr.K.S.Reddy, Dean JIPMER	Member (Till 19.12.2013)
13.	Dr.S.Mahadevan, Dean, JIPMER	Member (From 20.12.2013)
14.	Dr.T.S.Ravikumar, Director JIPMER	Member Secretary

General Administration

FACULTY LIST

1. FACULTY (ADMINISTRATION)	:	R. P. Swaminathan, Prof & Head Dept. of Medicine
2. DY.DIRECTOR (ADMINISTRATION)	:	
3. *DD (A) (SR. ADMIN. OFFICER)	:	Sankar J.
4. SENIOR ADMINISTRATIVE OFFICER	:	Sathyanarayanan R.
5. *ADMINISTRATIVE OFFICERS HUMAN RESOURCE DIVISION	:	Unnikrishnan C. B.
6. HOSPITAL	:	

* In accordance with the powers conferred on the Director as CEO of the Institute by Section 26(3) of the Regulations of JIPMER Act, 2008, ad-hoc arrangements were made to activate Faculty (Administration) position for overseeing the entire administration of the Institute. Since the post of Deputy Director (Administration) created by the Ministry during 2013 is yet to be filled up, the existing status quo of one post of Sr. Admn. Officer being operated as Deputy Director (Admn.) is being continued and he has been given the charge of Head of Office. Out of four posts of Administrative Officers two are created in the next higher PB & GP and one is in the existing PB & GP. These three posts has to be filled up now for which steps are being taken at present.

The Institute has three major administrative wings (as depicted in the administrative setup flowchart) namely, “General Administration and Finance,” “Academic, Teaching and Research” and “Hospital and Patient Care.”

The General Administration consists of Four Administrative Sections, Disciplinary and Court cell, General and Estate Sections. All the matters relating to the Administration, including creation of posts, recruitments, promotions, arranging meetings of Statutory committees, estate management, arrangement of vehicles, security, matters related to discipline and employees welfare are coming under the purview of the General Administration.

Administration Section—I is bifurcated as Admin I (Recruitment Cell) and Admin I (Promotion Cell) These Cells deals with creation of posts, recruitment, promotions (APS, DACP, and MACP), leave salary/pension contribution/ACRs/policy matters of all categories of staff members and appointment of contract employees. Formulation of draft recruitment rules, their amendments and notifications.

Admin—II section deals with permissions for conferences, permission for studies, issue of orders of delegation of powers, transfers of charge, study leave, acquiring and disposal of property, NOC for passport for all categories, foreign visits and pension related matters. It also includes the Pension Cell which takes care of pension, family pension and gratuity of all superannuation and VRS employees.

Admin—III (A) section deals with sanction of leaves, service books and personal file entries, pay fixation and increments to all categories of staff members up to and including grade pay of ₹4,600.

Admin—III (B) section deals with sanction of leaves, service books and personal file entries, pay fixation and increments to all categories of faculty and staff members whose grade pay is above ₹4,600.

The disciplinary and court cases cell deals with court matters, disciplinary proceedings and undertakes inquiries and vigilance cases.

The estate section undertakes responsibility of the buildings and estates of institute including construction and maintenance (civil and electrical works) of all the buildings and roads as well as all project works.

The general section is in charge of the arrangement of vehicles and all miscellaneous works.

To cope up with additional responsibilities and expansion of activities in administration, academics and finance and accounts divisions after the up-gradation of the institute by an Act of parliament in the year 2008, the ministry has created 1769 new posts in this institute during July 2013. The recruitments and promotions to more than 70 per cent of these newly created posts have been completed and urgent steps are being taken to fill up the remaining posts at present.

Current Staff Strength as on March 31, 2013

S. No.	Category	Sanctioned Strength	Existing Strength	Number of Vacant Posts
1.	Faculty	361	280	81
2.	Group 'A'	145	71	74
3.	Group 'B'	1,727	1,456	271
4.	Group 'C' and 'D'	1,744	1,045	699
	Total	3,977	2,852	1,125

Resident Doctors Strength as on March 31, 2013

S. No.	Category	Sanctioned Strength	Existing Strength	Number of Vacant Posts
1.	Senior Resident	375	280	95
2.	Junior Resident (NPG)	93	78	15
3.	Junior Resident (PG)	165	152	13
	Total	633	510	123

MAJOR ACHIEVEMENTS

01 Professor, 05 Additional Professors and 64 Assistant Professors, were recruited during the year 2013–2014. Further, the recruitment to the remaining posts of Professor and Assistant Professor are in process.

596 Staff Nurses were recruited within 3 months from the date of creation of posts. Written Test for recruitment of 252 Multi-Tasking Staff was completed during February 2014.

Recruitments to fill up the various posts in Group B and C categories (20 categories) was over during the year 2013–2014.

In accordance with the latest guidelines received from Government of India, a number of cases were considered for grant of promotions to the employees in various categories, by conducting DPC meetings as per schedule.

Developmental Projects

UP GRADATION OF JIPMER-PHASE II

For the phase II up gradation, HLL Life care Ltd was appointed as the in house consultant and the project was initiated on turnkey basis as it was done for phase I up gradation. The PMC constituted undertook the exercise for short listing and selecting M/s L&T, the EPC developer following the established procedure and approval from competent authorities.

Present status—The project was completed and handed over on May 31, 2013.

TOTAL COST—₹ 334 Crore

COST OF EQUIPMENT FOR PHASE II—125.25

The buildings included in Phase II are

- i. Women and Children Hospital
- ii. Academic Centre
- iii. Hostel Complex
 - a. Nurses Hostel
 - b. Women Resident Doctors Hostel
 - c. UG Girls Hostel
 - d. UG Boys Hostel
 - e. Men Resident Doctors Hostel
 - f. Men Resident Doctors Hostel
 - g. Senior Resident Doctors Quarters Hostel
 - h. Common Facility Block
- iv. Augmentation of existing specialties' and
- v. Supply and installation of Medical equipments
 - Confocal Laser Scanning Microscope for Live Cell imaging DNA Sequencer
 - a. Image guided endoscope sinus surgery system
 - b. DNA sequencer
 - c. Flow cytometer (with sorter)
 - d. Ultrasound diagnostic system with color Doppler—high end
 - e. Operative laparoscope
 - f. Operating microscope with BIOM attachment
 - g. C-Arm Image intensifier system—ISO-C type 3D
 - h. Navigation system for joint and spine replacement
 - i. Navigation system for spine replacement
 - j. Percutaneous spine surgery system
 - k. Derma scan (high performance skin ultrasound)
 - l. Computed radiography
 - m. Lypolysis laser
 - n. ELISA processor fully automated
 - o. Decaheaded teaching microscope with digital photography attachment

- p. Automated microbial detection and antibiotic susceptibility system
- q. Automated system for blood culture
- r. Automated system for mycobacterial culture
- s. Ambulance for health camps
- t. Liquid chromatograph with MS-MS LC-MS-MS
- u. Computerised cardiopulmonary exercise testing system with treadmill
- v. ELISA reader with washer
- w. Confocal laser scanning microscope for live cell imaging
- x. Fully automated clinical chemistry analyzer
- y. Immuno assay analyzer-chemiluminescence system

The details of buildings are shown below.

- i. WCH Building Area—28,326 m² Cost of Building—₹71.11 Crore



JIPMER Women and Children Hospital (WCH)

- ii. Academic Centre, Area—16,950 m², Cost of Building—₹43.01 Crore



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HOSTEL COMPLEX

HOSTEL COMPLEX

Nurses—123	Total occupancy—1,079
Women Resident Doctors—100	Total built area—29,164 m ²
UG Girls—322	Total cost—₹55.50 Crore
UG Boys—322	Total land area—8.5 Acres
Men Resident Doctors—58	
Senior Resident Doctors Quarters—16	
Common Facility Block—GYM, Dining with kitchen	

JIPMER PHASE III WORKS

The proposal consists of

1. Modernization of Old Hospital and Institute Buildings, Expansion of Super Specialty Block, Screening OPD with Geriatric and Dental Units.
2. Modernization of Admin Block.
3. Setting up of a Multi-Disciplinary Advanced Research Centre.
4. Construction of Urban Health Centre at Kuruchikkupam.
5. Construction of 27 Type II, 27 Type IV and 12 Type V Staff Quarters.
6. Construction of Compound Wall for JIPMER Campus.
7. Augmentation of Casualty Services in JIPMER.
8. Augmentation of Nuclear Medicine with PET—CT and Dual Head Gamma Camera
9. Relaying of Road Works in Entire Campus.
10. Establishment of JIPMER International School of Public Health (JISPH) and Up-gradation of JIPMER Rural Health Centre (JRHC) at Ramanathapuram.
11. Up-gradation of Regional Cancer Centre (Rcc).

The meeting of the EFC on i. Modernization of JIPMER hospital ii. Expansion of Super-specialty block with provision for private and semi-private wards, and iii. Establishment of screening OPD including

Geriatric Block and MRD block, was held on Wednesday February 29, 2012 at NirmanBhawan at 2.30 PM under the Chairmanship of the Secretary (H&FW).

After detailed deliberations the EFC approved the proposal for modernization of existing hospital, expansion of Super-specialty Block, Screening OPD with MRD and Geriatric Block proposed at a tentative non-recurring cost of ₹227.98 crores.

The Letter of Acceptance (LOA) was issued to the lowest bidder M/s L&T for ₹237.68 crores on October 15, 2013. The work started on October 29, 2013.

a. Modernization

Construction and Services—₹54.83 crore

Medical Equipment and Furniture—₹16.51 crore

The hospital and institute buildings which were constructed/completed between 1964 and 1972 do not conform to the current hospital standards though they still house the main department of medicine, surgery, etc. The present general condition of the hospital is not satisfactory in that the roof in many places are leaking, electrical wiring and service lines are old needing heavy repairs. Floors in toilets and common areas are to be re-laid; windows, doors, lifts are to be repaired/replaced. The wiring done in 1964 requires to be redone particularly when a number of equipment for various departments under up-gradation are under installation as the existing wiring may not be able to take the additional load and cause damage to the equipment.

The buildings constructed some 40–50 years ago do not have auto fire alarm system and sprinklers which now, are statutory requirements. These are to be provided now as per NBC standards.

The old electrical wiring needs replacement. Also the additional load requirements of new equipment and services will need re-engineering of the entire LT distribution system, DBs, etc. The scope includes procurement and installation of the new system.

Further, the wards have to conform to the standards of regulatory authorities and the medical furniture like cots, etc., are to be replaced. The scope of work will extend mainly to the following works in the Old Hospital and Institute Buildings:

- Rewiring of electrical system (concealed) and providing additional points, fitting/CCTV/Nurses' calling system, etc.
- Auto fire detection and alarm system and sprinklers (statutory requirement)
- Internal sanitary and water supply arrangements
- Re-plastering damaged wall surfaces and interior and exterior painting
- Water proof treatment of entire roof
- Renovation of all the toilets in institute, hospital, OPD, library, etc
- Replacements of doors windows including MS grills
- Vitrified tiled re flooring in selected corridor rooms, etc
- Re polishing of terrazzo tiled flooring inside the rooms wherever required
- Providing false ceiling in the corridors
- Providing extra storage space/cup boards wherever necessary
- Renovation of the OTs (two numbers) and Renovation of four labs (internal work)
- Conversion of ward 47 into ICU.
- Replacement of medical and office furniture
- Split AC units in HOD rooms

PRESENT STATUS

The contractor M/s L&T has started the works.

b. Expansion of Super Specialty Block



PROPOSED VIEW OF ANNEXE TO SUPER SPECIALTY BLOCK

Construction and Services—₹70.97 crore

Medical Equipment and Furniture—₹54.23 crore

- Built Up Area—17,327 m²
- Number of Floors—G + 4

The proposed additional Block for expansion of the Super Specialty Hospital shall be constructed behind the existing SSB and to the west of the Mother and Child Hospital. The proposed block shall be four storied building and accommodate the following.

- i. Set up the following new super specialty departments:
 - a. Department of vascular surgery
 - b. Super specialty department anaesthesiology
 - c. Super specialty department of imaging science
 - d. Cardiac electrophysiology unit
 - e. Transplantations unit
 - f. Neuro-vascular stroke unit/functional neuro-surgery unit
 - g. Advanced minimally invasive surgery unit
 - h. Department of molecular medicine
 - i. Department of regenerative medicine

Private/semi private pay wards (93 rooms/166 beds) which will have the following configuration:

VIP—suites	5 rooms
A—class beds with A/c single occupancy rooms	35 rooms
B—class beds Non A/c double occupancy rooms	33 rooms
C—class beds Non A/c triple occupancy rooms	20 rooms
General ward beds totaling 100 beds for various newly created Super Specialty Departments.	
State of the Art OT Complex with four Modular OTs and two multi-functional operating theatres fully equipped with Navigation, Imaging, Tele-station, and interactive Video capabilities.	

MEDICAL EQUIPMENT

The major medical equipment include:

- CT Scan
- MRI
- DSA
- Digital CR systems
- Ultrasound systems
- Integrated OT

Present status

Awaiting approval from statutory bodies in order to commence the work.

- c. Setting up of Screening OPD with MRD, Geriatric Unit and Dental Setup



Construction and Services—₹33.71 crore, Area—9,735 m²
Medical Equipment and Furniture—₹7.43 crore

Screening OPD with MRD, Geriatric Unit and Dental Setup

The proposed building for screening OPD including medical records department and geriatric unit shall have a built up area of 9,735 m² with a basement and two upper floors. In the basement of 3,870 m², 1,000 m² shall be earmarked for the storage of medical records and 2,850 m² for parking of the cars (50 cars). In the ground and first floor, one wing of the building shall be for the screening OPD with the middle portion for patient registration/medical records department and the other wing of the building shall be for the geriatric unit.

The screening OPD, services in the speciality of medicine, surgery, ENT, Ophthalmology, orthopaedics and dentistry shall be provided. In addition, consultations for surgery, orthopaedics and medicine specialities along with the laboratory and radiological services shall also be provided in the ground floor (X-ray, ECG, ECHO, ultrasound, etc). In the first floor of OPD block, ENT, ophthalmology out-patient departments shall be housed. The dentistry department is proposed to be housed above the geriatrics unit with consultation area, treatment area, etc.



Present Status

Dismantling of the existing building under progress.

Modernization of Admin Block

Project cost—₹91 lakhs

The turnkey work includes the following:

Supply, installation and commissioning of the work station, modular furniture, painting, vinyl flooring, false ceiling etc at the Administrative block.

The scope of work is to renovate the Administrative block of JIPMER by installing modular furniture in various sections so as to give more working and storage space and to renovate the toilets in the block with replacement by WC Cisterns, floor and wall tiles including repainting of walls and ceiling to create more hygienic working atmosphere in the block.

Present Status

Work awarded to M/s. Vinar systems for ₹91 lakhs. Twenty four rooms have been completed and handed over to JIPMER and remaining rooms to be handed over by JIPMER.

Setting up of a Multi-disciplinary Advanced Research Centre at JIPMER, Puducherry

JIPMER faculty and research scholars are carrying out research work in the field of pharmacogenomics, microbiology, genetics, yoga, clinical immunology, sleep studies, etc. It also provides regular annual training programmes in pharmacogenomics, microbiology, and safe laboratory techniques in HIV, etc. Further growth and research activity of the institute is hampered by limitations of space, equipment, and resources. There is a need to create state of art facilities in areas of stem cell and regenerative medicine, clinical research, genomics, proteomics, bio-informatics, and bio-analytics. Therefore, it is proposed to establish a multidisciplinary advanced research center (MARC) with state of art equipment for advanced research.

The building will house the following laboratories:

1. Stem cell and regenerative laboratory
2. Genomics laboratory,
3. Proteomic laboratory,
4. Analytical laboratory, and
5. Clinical research division

Present Status

DPR prepared for ₹42.40 crores and submitted to JIPMER on December 16, 2013 and it will be taken to the next Standing Finance Committee for approval which is to be held in the month of June/July 2014.

Construction of Urban Health Centre at Kuruchikkupam

The Department of PSM caters to the training needs of MBBS, MD, Nursing and other courses. Besides providing family-based health services to the community, the Rural and Urban Health Centers (RHC, UHC) serve as field-based training posts for all these courses.

The UHC building is of vintage French make and was acquired in by JIPMER in 1963. It is now in a very dilapidated state. Because of this the UHC has vacated the building and is now functioning from a temporary building nearby, which has been provided rent-free till November 2013. There is urgent need to demolish the existing structure and build a new one with modern facilities keeping in view the Indian Public Health Standards for Primary Health Centers.



Present Status

Work awarded to M/s. Tar Maker for ₹3.17 crores on June 10, 2013. Process of getting statutory approval from fire, electricity and traffic in progress.

Construction of 27 Type II, 27 Type IV, and 12 Type V Staff Quarters

JIPMER was converted into an Institute of National Importance by an Act of Parliament in 2008. Subsequently a total of 128 posts have been filled at the level of Assistant Professor and Additional Professors. With the joining of a large number of Faculty and other Staff the campus with its existing quarters are inadequate for their accommodation. Moreover many posts had been created in the various Super-Specialties and other branches which need these Faculties to be present on call duty outside office hours. Hence it has become necessary to build Additional Quarters for Faculty in the existing campus. In addition, a large number of paramedical staff have also been recruited and they provide round the clock services for the patients.

The existing staff quarters were built in 1963. These are Group-A C-II/13, Type VA-14, Type VB-14, DII-24, E Type-44, Type IV-8, F Type-32, Type III-24, G Type-100, Type II-36, and H Type-92 and Type I 44 totaling 445. A total of 147 persons have been appointed as Assistant Professors. The existing Staff are 106. Thus for 253 Group-A staff the number of existing quarters is only 117 which is grossly inadequate.

The objective is to provide accommodation for faculty and other staff. Constructing a total of 66 Units—Type V(12), Type IV(27), and Type II (27) to partially fulfill the need for accommodation within the campus.

The proposed staff quarters have been planned as below:

There will be two blocks of six quarters each of Type V quarters. Each block will be Ground + six floors. GF will have only stilts which would be used for car parking. The upper six floors will accommodate six units in two wings i.e., three units in each wing. Each unit accommodating in two floors consist of living room, one bed room with attached toilet, one common toilet, kitchen, dining and utility room, one balcony in one floor and two bedrooms with attached toilets, one family room with a balcony in the floor above. Each unit will have an internal staircase. Servants' quarters are planned as a separate block as Ground + two Floors, each floor having four quarters. A lift for eight passengers along with a common staircase with a lobby in front in each floor is also being catered.

Twenty seven units of Type IV quarters are planned in one block as Ground floor + six floors. The ground floor with stilts will cater for scooter parking. Each of the six upper floors will have four units each. Each unit will consist of a living room, two bedrooms, a dining, kitchen, utility room and two toilets. A lift for eight passengers along with a common staircase with a lobby is provisioned.

Another block of 27 units of Type II quarters is planned in the similar way with stilts in the GF for parking and six upper floors having four units in each floor. Each unit is having a bedroom, living cum dining, kitchen, bath, WC separately. A lift for eight passengers with staircase with a lobby in front is located centrally.

Project cost—₹21.39 Crores

Present Status

PPA inspection completed in all three types of quarters, the documents for statutory approval from PPA has been forwarded to PPA and approval for the same is awaited due to the code of conduct, as the committee can be formed by PPA only after the election on April 24, 2014.

Construction of Compound Wall, JIPMER

JIPMER campus is 195 acres. The boundary of this 195 acres is surrounded by a compound wall of low height and is in damaged condition. Now proper compound wall is only in the front portion of the campus and the compound wall surrounding the rear area is not in good condition. Hence there

is public intervention and entry of criminals into the campus in day and night which is a safety issue for the campus. In order to avoid these and to improve the security of the campus a compound wall is to be provided to the entire boundary of the campus other than the front area where compound wall is in good condition. The objective is to provide compound wall to a length of 2,445 m. The compound wall consists of 23 cm brick work and Reinforced Cement Concrete (RCC) pillars of size 30 x 30 cm at an interval of 2.4 m. The height of the proposed compound wall is 2.4 m from the existing ground level and 0.6 m concertina barbed wire fencing above. The overall height of the compound wall will be 3 m from the existing ground level. Concertina barbed wire fencing is of circular shape with 0.6 m diameter supported with poles at 3 m intervals. The wall will be finished with 12 mm cement plastering and exterior grade painting will be done above that.

Present Status

M/s. R. S. Development and Constructions (I) Pvt. Ltd, Erode is the contractor for the work and awarded value is ₹40,124,942/-. Letter of Acceptance (LOA) issued to the contractor on March 06, 2014. Preliminary works are under progress.

Augmentation of Casualty Services in JIPMER

JIPMER Hospital is a tertiary care hospital catering to large number of rural and semi urban population in around Pondicherry and adjacent area of Tamilnadu. It is main referral centre for many district hospitals and medical colleges in and around Pondicherry UT. Basing on the requirement, emergency medical services as an independent department was commissioned in the year 2000, with emergency ICYU, OT services and inpatient of 60 beds subsequently dedicated trauma care services and burn units were added in 2009–2010.

The daily attendance in the casualty has increased threefold during the last decade. The average daily attendance which used to be about 150 in the year 2000 has increased to about 350 in 2010. This includes 20 patients requiring resuscitative support to requiring admission/specialty care, trauma, acute poisoning, non-infection medical emergencies, and non-trauma/surgical emergencies. Trauma care units' beds are insufficient to handle these numbers and they occupy casualty beds for long time congesting the casualty services area. Most of the patients are being kept in triage area resulting in acute shortage of space which compounds the patient flow. The increasing volume and complexity of non-trauma casualty attendance requires augmentation of infrastructure, equipment, staff and process flow. JIPMER's long range objective is to become a resource centre for capacity building for national workforce development at all levels (emergency medicine physicians, nurses, technicians, training) and setting standards for trauma and non-trauma emergency care.

The final objectives to be achieved at the end of this are to provide patient centered care, achieve operational efficiency, improve stakeholder satisfaction and serve as a model for trauma and non-trauma capacity building. Hence this process has been undertaken to augment the casualty both in terms of infrastructure and equipment. The current casualty area has ground floor plus five floors.

Project cost—₹9.25 Crores

MEDICAL EQUIPMENT

PART A—Medical Equipment

S. No.	Description	Unit	Qty
1.	Defibrillator monitor	Each	10
2.	Multichannel monitors with transport capability	Each	36

(Continued)

S. No.	Description	Unit	Qty
3.	Infusion pumps	Each	22
4.	Portable ventilators	Each	10
5.	High end ventilators	Each	16
6.	Mobile ECG	Each	5
7.	Minor OT tables	Each	6
8.	Main OT tables	Each	2
9.	Ceiling mounted theatre lights	Each	1
10.	Portable theatre lights	Each	2
11.	Ceiling mounted lights for minor OT	Each	6
12.	High end USG machine	Each	2
13.	Medium end USG	Each	4
14.	Portable USG machine	Each	4
15.	Digital mobile X-ray unit (portable)	Each	5
16.	Portable C arm	Each	3
17.	Anaesthesia shifting trolley	Each	4
18.	Auto analyzer	Each	2
19.	Cell counter	-	1
20.	Blood gas analyser, with electrolytes	-	3
21.	Laparoscopy set	-	1
22.	Endoscopy set	-	1
23.	Electrodiathermy	-	4
24.	Anaesthesia machines	-	3
25.	AED	-	5

Part B—Non Medical Equipment

S. No.	Description	Unit	Qty
1.	Hospital beds	Each	40
2.	Variable height trolleys	Each	20
3.	ICU beds	Each	25

Present Status

Notice Inviting Tender (NIT) called on November 27, 2013.

Pre bid meeting held on December 20, 2013.

Technical bid opened on January 16, 2014.

Technical bid preliminary evaluation report submitted to JIPMER and in connection with this, a meeting with JIPMER was held on February 22, 2014. Demonstration of all the equipment are over. The final conclusion pending from JIPMER and the end user, the same is expected to be complete during the second week of April. The demonstration report has been submitted JIPMER on April 12, 2014.

Augmentation of Nuclear Medicine with PET-CT and Dual Head Gamma Camera

The proposal is for augmentation of the Department of Nuclear Medicine with PET-CT and Dual Head Gamma camera considering the long waiting time for patients requiring investigation with gamma cameras and also for providing state of the art cancer imaging services. The work load is high and patient waiting list is 1–3 months for different Nuclear medicine studies hence another dual head gamma camera is essential for smooth functioning. Another proposal is to augment the Nuclear Medicine Department with PET-CT facility as JIPMER being RCC has large number of cancer patients, most of them can be accurately evaluated by PET-CT facility. The amount sanctioned vide fifth SFC for non-recurring expenditure is ₹16.529 crores which includes the cost of:

- i. construction
- ii. Supply of PET-CT
- iii. Dual Head Gamma Camera

Present Status

Notice Inviting Tender (NIT) called on November 27, 2013.

Pre bid meeting held on December 20, 2013.

Technical bid opened on January 16, 2014.

Technical bid preliminary evaluation report submitted to JIPMER and in connection with this, a meeting with JIPMER was held on February 22, 2014. Demonstration of all equipment completed. The final conclusion pending from JIPMER and the end user, the same is expected to be complete during the second week of April. An expert committee meeting was held on April 11, 2014.

Relaying of Road Works in Entire Campus

Approval for award of contract for relaying the roads in JIPMER campus including drainage, street lighting etc and for construction of garages for parking the institute and hospital vehicles. The member secretary informed that based on the approval of the proposal by the Fourth SFC on January 10, 2012, tenders were called for by M/s HLL Life Care Ltd, the in-house consultant of the institute for award of contract for relaying the roads in the JIPMER campus including drainage, street lighting etc and for construction of garages for parking the institute and hospital vehicles. He further informed that out of the two firms which had quoted and whose technical and financial bids were opened, M/s. NAPC Ltd., Chennai had quoted the lowest (₹1,83,703,234/-) which was even lower than the price already approved by the last SFC and hence selected.

Present Status

The work was completed and handed over to JIPMER on August 20, 2013.

Establishment of Jipmer International School of Public Health (JISPH) and Upgradation of Jipmer Rural Health Centre (Jrhc) at Ramanathapuram

Jipmer International School of Public Health (JISPH)

The proposed building for JISPH will have a built up area of 12,625 m² and will have a stilt floor with four upper floors. The concept plans are provided in Chapter 5 of the DPR. In the stilt floor, provisions have been made for entrance lobby, Dean's office, cafeteria and electrical room and the remaining area will be used for parking of cars of faculty and officers of JIPMER. The total built up area of the stilt floor is 1,765 m², out of which 835 m² is earmarked for the lobby, Dean's office, cafeteria and electrical room and 930 m² for parking of the cars. The common facilities like Lecture Halls, Library, Multi-purpose Hall, Museum, Auditorium and Cafeteria are located in the middle of the block so that all the divisions of the school will have easy access.

In the first floor of the proposed building, Maternal and Child Health, Public Health Nutrition, Health Communication Behavioral Science and Medical Sociology divisions are proposed to be housed. The second floor will house Divisions of Epidemiology, Biostatics, Health Policy and Management, Health Economics and International health. The third floor will house Divisions of Environmental Health, Disaster Management and Non-communicable Disease. The fourth floor will house divisions of communicable disease and UG labs.

The total constructed area of the building will be 12,625 m². The projected cost of construction along with the DG back-up, lifts, etc., is ₹53.90 crores. The list of equipment costing ₹7.30 crores.

MEDICAL EQUIPMENT

LIST OF EQUIPMENT

S. No.	Equipment	Number
A. Disease Surveillance Laboratory		
1.	UV light, slides, container, reagent	1
2.	Binocular microscope	5
3.	Autoclave	1
4.	Hot air oven	1
5.	Bio safety hood	1
6.	ELISA reader/system	1
7.	ELISA washer	1
8.	Freezer (-20°C)	2*
9.	Mosquito Aspirator	5
10.	Pipettes (various volumes)	10
B. Audio-visual Laboratory		
30.	Adobe full package (Photoshop, Flash, Indesign, Premiere Pro, Dreamweaver, After Effects)	1
31.	Autodesk Software Package (Combustion, 3DXmax, Maya)	1
C. Public Health Nutrition		
32.	Electronic Balance	1
33.	Gas Chromatography	1
34.	HPLC	1
35.	Fluorimeter	1
Sub Total		
D. Environmental Health Laboratory		
36.	Digital balance	1
37.	Centrifuge	1
38.	Cell phone and tower RF meter	2
39.	Sound level meter	1
40.	Respirable dust sampler	1
41.	High volume sampler	1
42.	Fine dust particulate matter sampler	1
E. Information Technology		
F. Models and Specimens		

Up-gradation of Rural Health Centre (RHC), Ramanathapuram

In line with JISPH, the JIPMER Rural Health Centre at Ramanathapuram needs to be upgraded as a model training centre that provides holistic care as per the contemporary community needs. The old block of JRHC need to be demolished completely and a new building has to be constructed.

With increase in number of MBBS students to 150 per year, around 12–15 interns are expected to stay at the centre during their compulsory rotatory internship. Additionally hostel facilities have to be provided for foreign graduates, postgraduate residents and senior residents from community medicine and other departments. With introduction of newer courses in the department (PGDPHM, MPH, DrPH), additional hostels and up-gradation of training facilities need to be undertaken at the centre.

The buildings in connection with up-gradation of facilities are as follows:

New hospital block: It is proposed that the ground floor complex houses the OPD (with modular partition) and patient waiting area, nursing station, medical records room (space for family records), pharmacy, dressing room, observation room, counselling room, cold chain room, minor OT, laboratory facility, office room, and rooms for medical officers and consultants. The first floor of this block will have the multipurpose hall, rooms for staff and residents, and IDSP/data entry room. The existing building will have the inpatient wards, X-Ray room, ultra sonogram room, physiotherapy room, room for tele-medicine facility and other facilities.

Hostel block: Hostel for the Interns and residents is proposed behind the existing hospital block.

Quarters for faculty and staff: The quarters for the as existing quarters assistant Professor (two unit of type four quarters) are proposed in the space adjacent to the existing quarters. The existing quarters for medical officer will be renovated and four additional unit (type two quarters) will be constructed adjacent to the existing facility.

Other structural changes proposed:

- Internal Modification of the existing OT complex
- Relocation of existing security cabin and broadening of the road
- Cementing of the walkway
- Additional space for parking
- Strengthen perimeter wall of the RHC
- Landscaping
- Mini sewage treatment plant (for 100 residents)

Present Status

Expression of Interest (EOI) for JISPH re-invited on December 24, 2013

The technical bid opened on January 28, 2014

Four bidders have submitted the EOI. They are as follows:

- M/s. Shapoorji Pallonji and Company Ltd, Chennai
- M/s. Engineering Projects India Ltd, Chennai
- M/s. Larsen and Turbo Ltd, Chennai
- M/s. Green Pearl Engineering Const. Corporation Ltd, Chennai

EOI bid evaluation report submitted to JIPMER on February 14, 2014 and JIPMER approved the same on February 18, 2014. RFP under preparation and to be issued to the qualified bidders. The specifications of equipment has been forwarded to JIPMER for vetting.

Up-gradation of Regional Cancer Centre

Under Phase III of the scheme, the Up-gradation of Regional Cancer Centre (RCC) at JIPMER will be made into a comprehensive cancer center on par with other RCCs like that of the one in AIIMS. The following are proposed in this project:

- The departments of medical oncology and surgical oncology are to be integrated and should be available in the same complex, and these departments are to be equipped with all essential facilities
- Addition of preventive oncology and palliative care center so as to make the cancer prevention, screenings, diagnosis and treatments more comprehensive
- Addition of equipment like
- One low energy linear accelerator, to replace the existing old Theratron-780C tele-cobalt unit and to take care of the increased workload, to clear the waiting list
- A few essential equipment for surgical and medical oncology streams such as OT, diagnostic, and screening equipment

Therefore, it is proposed to shift the department of surgical oncology which currently is housed in the super specialty block (SSB) to the RCC. Thus, the infrastructure available becomes inadequate to manage all the cancer patients who need surgery. Under this scheme, surgical oncology will have two modular theatres, ICU for regular use throughout the week and therefore increase the patient care services.

The department of medical oncology has at present limited beds. It is proposed in this scheme to increase its bed strength and to expand the available infrastructure by adding separate OPD and ward facilities.

Also, under this scheme the following to new facilities are proposed:

- i. To start the preventive oncology facility. This is currently not available in the RCC, JIPMER. This facility will render services like cancer screening, diagnosis as well as Tobacco Cessation Clinic, and patient counseling.
- ii. To start Palliative Care Center, to take care of the pain management for the patients during the course of treatment and pain management for the terminally ill cancer patients.

All the proposals are executed through turnkey basis. After the proposed expansion under this scheme, each the three wings of cancer treatment (surgical, medical, and radiation oncology), will have:

- 40 beds each
- Operation theatre complex with ICU—medical and surgical oncology
- Preventive oncology
- Palliative care center

These facilities will enable the RCC to provide comprehensive cancer care and as is available in some other RCCs like Dr. B. R. Ambedkar Institute-Rotary Cancer Hospital attached to AIIMS, New Delhi, RCC Trivandrum, etc.

The proposed plan will be come up as extension of existing RCC. First floor of 1,500 m² and second floor of 1,500 m² and total comes to 3,000 m².

Initial total budgetary outlay sought for this project for non-recurring capital expenditure = ₹22.495 crores

Civil works:	₹10.500 crores
Equipment:	₹11.995 crores
Total	₹22.495 crores

Present Status

Specification for Linear Accelerator is finalized.

Specification for surgical oncology equipment planned on January 09, 2014 by external experts has been post poned. Compilation of equipment specification for vetting under progress. Specifications has been vetted with external experts by JIPMER and the same has been submitted.

JIPMER PHASE IV WORKS

1. Construction of Public Utility Medical Mart
Project cost—₹2.31 crores
 2. **Establishment of Wellness Centre Including a Modern Swimming Pool**
Project cost—₹5.95 crores
 3. **Establishment of Drug Testing Laboratory**
Project cost—₹15.02 crores
 4. **Establishment of Pneumatic Tube Conveyor System**
Project cost—₹9.00 crores
 5. **Establishment of Multi-Disciplinary Endoscopy Laboratory**
Project cost—₹9.83 crores
 6. **Establishment of Information Technology Wing**
Project cost—₹9.35 crores
 7. **Up Gradation of Trauma Centre and Burns Unit**
Project cost—₹50 crores
 8. **Establishment of Centre for Health Profession, Education**
Project cost—₹35 crores
 9. **Setting up of Institute of Allied Health Sciences Including Pharmacology**
Project cost—₹55 crores
 10. **Modernization and Expansion of Administrative Block**
Project cost—₹20 crores
 11. **Multi-Level Parking Facility**
Project cost—₹10 crores
- Total project value of Phase IV work = ₹221.46 crores

Present Status

Letter of Acceptance (LOA) issued to M/s. HLL for consultancy on December 17, 2013 and a kick-off meeting was held on January 30, 2014 between M/s. HLL and JIPMER officials.

JIPMER informed in the meeting held on April 04, 2014 that for the works which received principal approval in Standing Finance Committee (SFC) can be tendered and can be taken to SFC after selecting the agency. The works which have been approved by SFC are

- i. Establishment of Pneumatic Tube Conveyor System
- ii. Establishment of Multi-Disciplinary Endoscopy Laboratory
- iii. Establishment of Information Technology Wing
- iv. Setting Up of Institute of Allied Health Sciences Including Pharmacology
- v. Establishment of Wellness Centre Including a Modern Swimming Pool
- vi. Construction of Public Utility Medical Mart

Pneumatic Tube Conveyor System—RFP prepared and approved by JIPMER, the same to be tendered.

Establishment of Multi-Disciplinary Endoscopy Laboratory—Medical equipment specification is finalized the same to be vetted by external experts by JIPMER.

Establishment of Information Technology Wing—JIPMER has given the requirements to HLL and preparation of DPR is in progress.

Establishment of Wellness Centre Including a Modern Swimming Pool—The estimates have been prepared and to be tender documents to be submitted to JIPMER for approval.

Academic Wing

Academic Section

FACULTY LIST

1. DEAN	:	S. Mahadevan
2. REGISTRAR	:	James Terance Sekar

FUNCTION OVERVIEW

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), with a deep commitment to excel in areas of medical education, patient care and research, has its academic atmosphere nurtured, disciplined and promoted by the Dean and his team under the expert guidance of the Standing Academic Committee.

Academic Section executes admission and certification formalities, it integrates curricular planning, teaching—learning activities and relevant research for timely transfer to patient's needs. The Section supervises and ensures strict adherence to curriculum in all the courses. The notification, conduct of Entrance Examinations at All India level and allotment of seats in various courses as per statutory norms are a 'round—the year' responsibility of the Academic Section.

UNDERGRADUATE EDUCATION

M.B.B.S. (Bachelor of Medicine, Bachelor of Surgery)

Admission to first year MBBS course in JIPMER is based on Entrance Examination. Application for Entrance Examination is only through online process. The Entrance Examination consists of multiple choice type questions totaling 200 in the subjects of English, Physics, Chemistry, Botany and Zoology. Entrance Examination for admission to the first year MBBS course 2013–2014 session was conducted on June 02, 2013 in 14 centers, Bengaluru, Bhopal, Chandigarh, Chennai, Coimbatore, Guwahati, Jaipur, Kolkata, New Delhi Puducherry, Pune, Thiruvananthapuram, Trichy and Vijayawada. A total **69,391** applications were received, **52,298** candidates appeared in the Entrance Examination and 33,058 candidates qualified.

The details of admission are as under

S. No.	Category	Period (2013–2014)
1.	Unreserved (UR) including 2 UR OPH	51
2.	Other Backward Classes (OBC) <i>Non-Creamy Layer</i> (including 2 OBC OPH)	27
3.	Scheduled Caste (SC)	05

(Continued)

Academic Section

S. No.	Category	Period (2013-2014)
4.	Scheduled Tribe (ST)	08
5.	Puducherry Unreserved (P-UR)	23
6.	Puducherry Other Backward Classes (P-OBC) <i>Non-Creamy Layer</i>	11
7.	Puducherry Scheduled Caste (P-SC)	06
8.	NRI/OCI	05
9.	Government of India nominations	04
	Total	150

Out of four seats earmarked for Government of India Nominations, four candidates joined the 1st year MBBS course. The details of the beneficiary are as given below:

Arunachal Pradesh	1
Mizoram	1
Meghalaya	1
Nagaland	1
Total	4

Three candidates belonging to the differently able category were admitted to the first year MBBS course against the 3 Per cent seats reserved. The details of the highest marks obtained in the various categories under which admission was granted are as under

S. No.	Categories	Marks
1.	Unreserved (UR)	174
2.	Other Backward Classes (OBC)	163
3.	Scheduled Caste (SC)	161
4.	Scheduled Tribe (ST)	146
5.	Puducherry Unreserved (P-UR)	153
6.	Puducherry Other Backward Classes (P-OBC)	134
7.	Puducherry Scheduled Caste (P-SC)	133
8.	OPH	169
9.	NRI/OCI	162

The duration of the course is 4 years and 6 months followed by 1 year Compulsory Rotatory Residency Internship. During the period of internship, the intern is paid `12,684/- as stipend. The details of post-ings of the intern are as under:

S. No.	Discipline	Duration of Training
1.	Community Medicine Rural	1 Month
	Urban	1 Month
2.	General Medicine	1 ½ Months
	Including Psychiatry	15 Days
3.	General Surgery	1 ½ Months
	Including Anesthesiology	15 Days
4.	Obstetrics and Gynaecology Including Family Welfare Planning	2 Months
5.	Pediatrics and Neonatology	1 Month

6.	Orthopaedics including Physical Medicine and Rehabilitation	1 Month
7.	Emergency Medical Services	15 Days
8.	Ophthalmology	15 Days
9.	E.N.T.	15 Days
10.	Elective Posting (Blood Bank/Dermatology/Forensic Medicine/ Psychiatry/Radio-diagnosis/TB and CD.	15 Days

M.D. (Nuclear Medicine)

M.D. Course in Nuclear Medicine was started during the academic year 2013–2014, with an annual intake of 2 students and admission was based on Entrance Examination. M.D program is now being offered in 18 disciplines and M.S program in five disciplines.

M.Sc. (Nursing)

During the academic year 2013–2014, 25 students were admitted to M.Sc. course in Nursing in 5 disciplines (five students in each discipline), based on Entrance Examination.

B.Sc. (Nursing)

Nursing college was started by JIPMER during the year 2006 with an annual intake of 75 students. Admission to Nursing is based on Entrance Examination. The Entrance Examination for admission to the first year Nursing course, 2013–2014 session, was conducted on July 28, 2013. The Entrance Examination was conducted in Chennai, Thiruvananthapuram and Puducherry centers. The course is of 4 years duration with 1 year optional stipendiary internship at JIPMER on completion of the course. The course comprises the study of Nursing principles, Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Psychology, Sociology, Management, Education, English, Research Biostatistics, Medical and Surgical Nursing, Child Health Nursing, Maternity Nursing, Mental Health Nursing, Community Health Nursing and Midwifery.

B.Sc. (MLT)—Bachelor of Science in Medical Laboratory Technology

The B.Sc.(MLT) course was started by JIPMER in the year 1985 with the objectives to integrated basic scientific knowledge with diagnostic services, to facilitate skills needed in all branches of laboratory technology and to assess competency-based learning after specified period. The course is of 3 years duration with an annual intake of 30 students per year. The candidates are eligible for 1 year optional stipendiary internship at JIPMER and admission is based on Entrance Examination. On successful completion of the course, the candidates are eligible for admission to M.Sc. (Medical Biochemistry), and other Post Graduate Courses in Biotechnology and Research Fellowship Programs. During the Academic year 2013–2014, 21 candidates were admitted to the course.

B.Sc. Allied Medical Sciences Courses

B.Sc. Cardiac Laboratory Technology and B.Sc. Nuclear Medicine Technology Courses with an annual intake of four students in each was started during the year 2013–2014. B.Sc. Allied Medical Sciences Courses are already offered in Perfusion Technology, Dialysis Technology, Operation Theatre Technology, Radiotherapy Technology and Neuro Technology.

Emergency Medical Technician Certificate Course

Emergency Medical Technician Certificate course with an annual intake of 20 students and duration of 12 months is offered with the objectives to build a group of trained personnel to handle effectively trauma

Academic Section

victims in the field/accident site, to learn skills for safe transportation in specialized ambulances to nearest hospitals and to impart skill based training and relevant knowledge regarding golden hour of pre-hospitalization. The course of study consists of various resuscitation methods and details of safe transportation of victim taught by the Faculty of Anaesthesiology, Surgery and Nursing Sciences. The admission is through Entrance Examination with Higher Secondary qualification. During the period of study, the candidates are paid stipend of `300/- per month. Twenty students were admitted during the year 2013–2014.

Post Basic Diploma in Nursing

Post Basic Diploma in Nursing, with the objective to prepare registered nurses with specialized knowledge, skill and attitude in providing advanced quality care to patients, was started in five disciplines of Critical Care Nursing, Cardio-Thoracic Nursing, Operation Theatre Nursing, Oncology Nursing and Neonatal Nursing, with an annual intake of 50 students, during the academic year 2013–2014. The duration of course is one year and the intake is ten students per discipline. The first batch, of 50 students, was admitted during January 2014 based on entrance examination. The classes commenced on January 02, 2014. During the period of study, the students are paid stipend of `10,000/- per month and also provided free accommodation.

MODULAR PROJECTS (VII—SEMESTER MBBS STUDENTS)

Modular teaching and projects on common clinical problems were carried out by the 6th and 7th semester MBBS students. Screening for cancer, Nutrition in Health and diseases, Family planning, First aid, Peptic Ulcer, Counseling and communication strategies in hospital were among the topics covered. The hands-on training for first aid and communication strategies were evaluated.

POST-GRADUATE COURSES

Admission to the Postgraduate (M.D./M.S.), Super Specialty (D.M./M.Ch.) Fellowship Course, M.Sc. (Medical Biochemistry), M.Sc. (MLT-Microbiology), M.Sc.(MLT-Cytopathology), M.Sc.(Medical Physiology) and Ph. D Programs are based on Entrance Examination. During the Academic year 2013–2014, 126 candidates were admitted to the Postgraduate (MD/MS) courses, 34 candidates were admitted to the Super Specialty courses, 5 candidates were admitted to the Fellowship courses, 14 candidates were admitted to the Ph.D programs, 24 seats at the Postgraduate level (MD/MS) are reserved for Institute candidates, 17 candidates were admitted to the M.Sc. Courses. (Excluding M.Sc. Nursing). The details of admission are as under

P.G. Programs (M.D./M.S.)

S. No.	Course	No. of Students Admitted
1.	M.D. General Medicine	13
2.	M.D. Pathology	6
3.	M.D. Microbiology	4
4.	M.D. Physiology	4
5.	M.D. Psychiatry	2
6.	M.D. Pharmacology	5
7.	M.D. Transfusion Medicine	1
8.	M.D. Paediatrics	10
9.	M.D. Radio-Diagnosis	3
10.	M.D. Radiotherapy	4
11.	M.D. Anaesthesiology	10

12.	M.D. Dermatology, Venereology and Leprosy	5
13.	M.D. Biochemistry	4
14.	M.D. Community Medicine	5
15.	M.D. Pulmonary Medicine	2
16.	M.D. Anatomy	4
17.	M.D. Forensic Medicine	2
18.	M.D. Nuclear Medicine	2
19.	M.S. General Surgery	13
20.	M.S. Obstetrics and Gynaecology	13
21.	M.S. Orthopaedics	5
22.	M.S. Ophthalmology	5
23.	M.S. Oto-Rhino Laryngology (E.N.T.)	4
Total		126

Highest Mark Obtained Category Wise in Entrance Examination 2013

Category	Maximum Marks: 1,000
UR	767
OBC	765
INSTITUTE	709
OPH	645
SC	685
ST	592

Super Specialty Programs (D.M./MCh)

S. No.	Course	No. of Students Admitted
1.	D.M. Cardiology	4
2.	D.M. Neonatology	2
3.	D.M. Neurology	2
4.	D.M. Nephrology	2
5.	D.M. Clinical Immunology	2
6.	D.M. Clinical Pharmacology	1
7.	D.M. Clinical Haematology	1
8.	D.M. Endocrinology	2
9.	D.M. Medical Oncology	2
10.	M.Ch. Urology	3
11.	M.Ch. CT and VS	3
12.	M.Ch. Neuro Surgery	2
13.	M.Ch. Surgical Gastroenterology	2
14.	M.Ch. Plastic Surgery	2
15.	M.Ch. Paediatric Surgery	2
16.	M.Ch. Surgical Oncology	2
Total		34

Ph.D. Programs

S. No.	Course	No. of Students Admitted
1.	Ph.D. Biochemistry	2
2.	Ph.D. Pharmacology	4
3.	Ph.D. Microbiology	4
4.	Ph.D. Clinical Immunology	2
5.	Ph.D. Paediatrics	2
Total		14

FELLOWSHIP COURSES STUDENT ADMITTED

1.	Fellowship Cardiac and Neuro Anaesthesiology	1 seat
2.	Fellowship Paediatric Critical and Emergency Care	2 seats
3.	Fellowship Critical Care Anaesthesiology	1 seat
4.	Fellowship Medical Oncology	1 seat

M.Sc. (Medical Biochemistry)

The course is being run for the last 33 years. The course is of 3 years duration. The objectives of the course are to learn judicious use of various biochemical laboratory tests, to facilitate skills needed for performing various biochemical tests, to integrate basic scientific knowledge for biochemical diagnosis and monitoring and to develop skilled human resources in Medical Bio-Chemistry for teaching and research. The annual intake for the year 2013–2014 was nine students and admission was made on the basis of the Entrance Examination.

M.Sc. MLT (Microbiology)

The course was started during the academic year 2010–2011 with an annual intake of four students. The course duration is of 2 years. The selection is based on the Entrance Examination. During the academic year 2013–2014, four students were admitted.

M.Sc. MLT (Cyto-Pathology)

The course was started during the academic year 2012–2013 with an annual intake of four students. The course duration is of 2 years. The selection is based on the Entrance Examination. During the academic year 2013–2014, four students were admitted.

M.Sc. Medical Physiology

The course was started during the academic year 2012–2013 with an annual intake of four students. The course duration is of 3 years. The selection is based on the Entrance Examination. During the academic year 2013–2014, four students were admitted.

OPTIONAL INTERNSHIP

Optional Internship program for B.Sc.(Nursing), B.Sc.(MLT) and EMTC courses was started during the year 2012–2013. Stipend of `6,188/- for B.Sc. (Nursing), `4,950/- for B.Sc.(MLT) and `3,713/- for EMTC are being paid to the Interns.

M.Sc. Medical Physics

The aim of starting Medical Physics course at the Postgraduate level is to generate the expertise and overcome the scarcity of the manpower for the cancer treatment facilities. Medical physicists contribute to the effectiveness of radiological imaging procedures by assuring that best radiation safety practices are followed (reducing radiation dose to patients and staff) and helping to develop improved imaging techniques (e.g. mammography, C.T, M.R, Ultrasound). The course was started during January, 2014 session with an annual intake of four students. The duration of the course is 2 years. (4) Four students were admitted and the selection is based on the Entrance Examination. Classes commenced on January 02, 2014.

Master of Public Health

The Government of India had highlighted in the National Health Policy 2002 and Report of the National Commission on Macro Economics and Health that a large number of specialists should be trained in Public Health. World Health Organization had also emphasized in Calcutta Declaration, the need for Public Health Training. Considering that the underlying causes of various diseases very often lie in Socio-Economic Environmental and Behavioral Domains rather than in Biomedical, a two years Postgraduate Course in Public Health with an annual intake of 30 students was started during the academic year 2013–2014. The Department of Preventive and Social Medicine (P&SM), would run the program in collaboration with Foreign and Indian Institutions. Harvard School of Public Health, Johns Hopkins Bloomberg School of Public Health, London School of Hygiene and Tropical Medicine, JOSHLN Diabetes Centre, Sanofi, London School of Economic, National Health Services UK and Mahidol University, Thailand are the Foreign Collaborators. The Indian Collaborates include NIE, Chennai, NCDC, New Delhi, NIRT, Bangalore, NIV, Pune, WHO India, CCDC, New Delhi, PGI, Chandigarh, AIIMS, New Delhi, IIPH, New Delhi, IIM, Ahmedabad, IIT, Chennai, NIHF, New Delhi, TNHSP, Tamilnadu, Puducherry University, Institute for child health and Hospital for Children, Population Council, New Delhi, IIPS, Mumbai, NIN, Hyderabad, TISS, Mumbai, UNICEF, India, VCRC, Puducherry, NIDM, New Delhi, NEERI, Nagpur, NIOH, Ahmedabad. On completion of course, the public health professional would be able to identify key public health issues, demonstrate competency in public health management at various levels of healthcare delivery, demonstrate the teaching learning skills in the field of public health, develop competency in research and encourage community participation in health related activities and programs. Both Medical and Non-Medical candidates are also eligible for admission to the program. Candidates working under various National Health Program in Central Govt./State Govt./Autonomous Bodies etc. are eligible to be Sponsored / Deputed for the program. The admission is based on entrance examination. The first batch of 30 students were admitted during January 2014 and classes commenced on January January 02, 2014.

APPROVAL FOR LECTURES BY DISTINGUISHED FACULTY/ INVITED SPEAKERS

The following Guest Faculty in various disciplines were invited by the Academic Section.

1.	Dr.Rajagopal Krishnamurthy, French Scientist, INSERM, Paris	Clinical Immunology
2.	Dr.Shoaib Al Zadjali, French Scientist, INSERM, Paris	Clinical Immunology
3.	Dr. Ryad Tamaza, French Scientist, INSERM, Paris	Clinical Immunology
4.	Dr. Ramnath Mishra, Sr.Prof. and Head Clinical Immunology and Dean, Sanjay Gandhi Postgraduate Institute of Medical, Sciences, Lucknow.	Clinical Immunology
5.	Dr.Siddhartha Laskar, Associate Prof. of Radiation Oncology, Tata Memorial Hospital, Mumbai.	Radiotherapy
6.	Dr. Sandeep Agarwala, Prof. of Paediatric Surgery, AIIMS, New Delhi	Paediatric Surgery
7.	Dr. Sameer Bakshi, Asst. Prof. of Medical Oncology, Dr.B.R.AInstitute of Rotary Cancer Hospital, AIIMS, New Delhi.	Medical Oncology

SHORT TERM AND LONG TERM TRAINING PROGRAMMES

Students from many colleges are imparted training for a period of two to three months in various departments of this Institute on payment of requisite fees.

Besides this, students are also allowed for project works for three months in the departments of Pharmacology, Clinical Immunology, Regional Cancer Centre etc.,

The following Foreign students also were provided Elective Training in JIPMER.

S. No.	Name of the Student	Department	Duration of Elective Training
1.	Mrs Schmeltz Heloise, Medical student 6th year, University of REIMS, France	Obstetrics and Gynaecology	July 10, 2013 to August 09, 2013
2.	Mr. Scharbarg Emeric, Medical student 6th year, University of REIMS, France	Cardiology	July 10, 2013 to August 09, 2013
3.	Mrs. Abarna Ramanathan, Medical student, year 5th, Oxford University, London	Obstetrics and Gynaecology	March 18, 2014 to April 09, 2014
4.	Mr. Michael Weeks, Medical student, year 5th, Oxford University, London	Obstetrics and Gynaecology	March 18, 2014 to April 04, 2014

M.R.T. (Medical Record Technician)

Fifteen Sponsored Government Servants from various Institutions are imparted training in the department of Medical Records of this Institute for a period of 6 months. Examination is conducted at end of the course and certificate is issued.

M.R.O. (Medical Records Officer)

Fifteen Sponsored Governments Servants from various Institutions are imparted training in the department of Medical Records of this Institute for a period of 6 months. Examination is conducted at end of the course and certificate is issued.

Educational Activities, Clinical Meetings/Conference/Symposium/Workshop

S. No.	Name of the Program	Sponsor/Organizer	Venue and Date
1.	Workshop on Advanced Neonatal Resuscitation Program(NRP) jointly organized with Indian Academy of Paediatrics	Paediatrics	April 28, 2013
2.	HIV Workshop on Laboratory Technicians	Microbiology	May 10-11, 2013
3.	Regional Workshop on Establishment of National Medical College, Telemedicine Network	Plastic Surgery	July 26, 2013
4.	Five days PG Course on Hepato-Pancreato Billiary (HPB) in association with International Hepato Pancreato Billiary Association (IHPBA)-Indian Chapter	Surgical Gastroenterology	August 28, 2013 to September 01,2013
5.	CME on "Fit for future Patient Safety	PMR, Orthopaedics	September 08, 2013
6.	Workshop on Gynaec Onco Pathology	Obstetrics and Gynaecology	November 08, 2013
7.	Cadaver Workshop on "Craniovertebral Junction"	Neurosurgery	November 23 to 24, 2013

CONVOCATION

The Fourth Convocation of JIPMER was held on April 20, 2013. Prof.(Dr) M.S.Swaminathan UNESCO Chair in Ecotechnology, Emeritus Chairman and Chief Mentor, M.S. Swaminathan Research Foundation, Chennai was the Chief Guest, delivered the convocation address. Degrees were awarded to the MBBS, PG (MD/MS) and Super Specialty graduates who had successfully completed the courses. The President, JIPMER and the Chief Guest distributed the degrees and the awards. The names of the candidates who received their degrees in person and the degrees awarded are detailed below:-

A total of **289** Degrees and **64** Medals were awarded. (In-Person-227, In-Absentia 28, Not applied-34)

List Of Candidates Who Were Awarded Degrees

1.	Doctor of Philosophy Ph.D.	Medical Anatomy	1
1.	MANOJ.A	1	
2.	Magister Chirurgiae (M.Ch.)	Cardio Thoracic Vascular Surgery	2
1.	Noveen Davidson RKR		
2.	Palle Sudarsan Reddy		
3.	Magister Chirurgiae (M.Ch.)	Urology	1
1.	Bastab Ghosh		
4.	Doctor of Medicine (D.M.)	Cardiology	2
1.	Babu.E		
2.	Geofi George. K		
5.	Doctor of Medicine (D.M.)	Neonatology	1
1.	Femitha. P		
6.	Doctor of Medicine (D. M)	Neurology	1
1.	Sushma Sharma		
7.	Doctor of Medicine (D.M)	Clinical Pharmacology	1
1.	Paul T Antony		
8.	Doctor of Medicine (D.M)	Clinical Pharmacology	1
1.	Melvin George		
9.	Doctor of Medicine (M.D.)	Anaesthesiology	7
1.	Sivaraman.B		
2.	Raghava. A.		
3.	Ranjan Raj Pandey		
4.	Sai Saran PV		
5.	Santhalakshmi A		
6.	Savitri.V		
7.	Shriram Vaidya		
10.	Doctor of Medicine (M.D.)	Anatomy	4
1.	Anitha Nancy. T		
2.	Aravinthan.S		
3.	Hariharan. D.R.		
4.	Dyutimoy Datta		
11.	Doctor of Medicine (M.D.)	Physiology	4
1.	Dinesh. T		
2.	Gopinath. M		
3.	Grrishma. B		
4.	Lalitha. V		
12.	Doctor of Medicine (M.D.)	Biochemistry	2
1.	Nithin Kumar.U		2
2.	Srilatha.K		

(Continued)

Academic Section

13.	Doctor of Medicine (M.D.)	Pharmacology	2
	1. Rajani Anil Kanaiyalal		
	2. Ravindra B.K		
14.	Doctor of Medicine (M.D.)	Pathology	8
	1. Priya. D		
	2. Sudha AR		
	3. Asma Bibi		
	4. Elancheran. M		
	5. Kalaivani@ Selvi. S		
	6. Niraimathi. M		
	7. Sarah Grace Priyadarshini		
	8. Shilpa Rao		
15.	Doctor of Medicine (M.D.)	Microbiology	5
	1. Dinoop. KP		
	2. Ashwini. M.A		
	3. Maanasa Bhaskar. M		
	4. Nandita Shashindran		
	5. Sangeetha. A.V.		
16.	Doctor of Medicine (M.D.)	Community Medicine	3
	1. Hemalatha. K		
	2. Sahana. C.M.		
	3. Suguna. E		
17.	Doctor of Medicine (M.D.)	Dermatology, Venereology and Leprology	4
	1. Priya Bishnoi		
	2. Divya Gupta		
	3. Pradeep. B		
	4. Shikhar Ganjoo		
18	Doctor of Medicine (M.D.)	General Medicine	9
	1. Anand Sekar.G		
	2. Aishwarya Krishnamurthy		
	3. Arun. K		
	4. Karthikeyan. B		
	5. Krishna Sarin. M.S		
	6. Matta Kiran Kumar		
	7. Ponraj. M		
	8. Rama Subramanian. N.S		
	9. Susmitha Chandragiri		
19.	Doctor of Medicine (M.D.)	Paediatrics	6
	1. Ajayan. P		
	2. Bharathi. B		
	3. Hari Krishnan K.N.		
	4. Jailani.M		
	5. Nandhini. L.P.		
	6. Sunitha Namdev		
20.	Doctor of Medicine (M.D.)	Psychiatry	1
	1. Sugaparanetharan. A		
21.	Doctor of Medicine (M.D.)	Pulmonary Medicine	1
	1. Venugopal. J		
22.	Doctor of Medicine (M.D.)	Radiodiagnosis	3
	1. Pallavi. B		
	2. Sandeep. B.S		
	3. Santhosh. P		

23.	Doctor of Medicine (M.D.)	Radiotherapy	2
	1. Sudhakar Kotlapati		
	2. Vinin. N.V		
24.	Doctor of Medicine (M.D.)	Immuno Haematology and Blood Transfusion	2
	1. Sabari Priya. E		
	2. Mohandoss. M		
25.	Master of Surgery (M.S)	General Surgery	7
	1. Chakarvarti Kapil Ramesh		
	2. Deepak. B		
	3. Harin Asokan		
	4. Phani Kumar. N		
	5. P. Sridhar		
	6. Vijay Ganapathy.S		
	7. Vinothan. J.S		
26.	Master of Surgery (M.S)	Obst. and Gynaecology	10
	1. Abilashini.G.D.		
	2. Amuthavalli.S		
	3. Anirban Dasgupta		
	4. Anusha M.S.R.		
	5. Galidevara Chandana		
	6. Hanumant V Nipanal		
	7. Jyoti Sharma		
	8. Kalaranjani.S		
	9. Nejumunneesa M.K.		
	10. Vijay Krishnan. V		
27.	Master of Surgery (M.S)	Ohthalmology	5
	1. Amit Kumar Deb		
	2. Bhuvaneshwari. L		
	3. Ganne Pratyusha		
	4. Lavanya. A		
	5. Vignesh A.P.		
28.	Master of Surgery (M.S)	Orthopaedics	3
	1. Gipson Samuel. T		
	2. Rahematullah Abdul Qaiyym		
	3. K Varun Krishna		
29.	Master of Surgery (M.S)	Otorhinolaryngology	2
	1. Amjad Farook. Z.A		
	2. Kalaiarasi. R		
30.	Master of Science (M.Sc)	Medical Biochemistry	7
	1. Aiswarya. S		
	2. Aswathi Anand P.A		
	3. Kalai Selvi. R		
	4. Souparnika. S		
	5. Tandrapad Priyanka		
	6. Vengatesan. M		
	7. Vinay Kumar. P		
31.	Master of Science (M.Sc)	MLT-Microbiology	4
	1. Durgadevi. S		
	2. Gayathiri Thankam. L		
	3. Pintoo Kumar		
	4. Sareena M Salim		

(Continued)

32.	Bachelor of Medicine and Bachelor of Surgery	M.B.B.S	79
	1. Abhishek Singh Chauhan		
	2. Ambika Gnanam Chidambaram		
	3. Antony Roy		
	4. Aprajita Vats		
	5. Aswanthi. S		
	6. Badari Myllemngap		
	7. Bashpaja Kondreddigari		
	8. Bijita Deb		
	9. Chiranthika Harshanie Abeysinghe		
	10. Chitturi Vinay		
	11. Dasabharathy @ Yuvashree. B		
	12. Debasish Sahoo		
	13. Dinesh Anand. A		
	14. Firoj Kumar Sahoo		
	15. Gopisree Peringeth		
	16. Gour Surya Sri Krishna		
	17. Indu. S		
	18. Indumathi. P		
	19. Isaac Lalfakzuala Ralte		
	20. Jibin C Kakkanattu		
	21. K Ganga Bhavani		
	22. Kalthi Vaishnavi		
	23. Kavya. K		
	24. Krishnan K.m		
	25. Lalsiamma Tualzik		
	26. Loo Guo Hou		
	27. Mamatha Munaf		
	28. Manish Kumar		
	29. Manjula. S		
	30. Mathews James		
	31. Milthi Manoj		
	32. Mohsina Subair		
	33. Nirosha. P		
	34. Nishanthi. A		
	35. Nitish Dev		
	36. Preeti Singpho		
	37. R.lalchhandama		
	38. Rahul Pradeep		
	39. Rajarajan. D		
	40. Rajnish Kumar		
	41. Ram Singh Meena		
	42. Rupak Kumar Giri		
	43. Samkit T Sangma		
	44. Santha Kumar. S		
	45. Sohini Chattopadhyay		
	46. Sumit		
	47. Surendra Kumar Meena		
	48. Surraj. S		
	49. Swarup. K		
	50. Vaitheeswaran Lg		
	51. Venkata Ganesh. R		

	52. Vijai. W	
	53. Vivek Lanka	
	54. Amit Raj	
	55. Amram R Marak	
	56. Damaelari Phylla Sohkhlet	
	57. Guru. K	
	58. Jeyaraaj A/L Jeyabalan	
	59. Johny Tamuk	
	60. Khrutsozo Kikhi	
	61. Kundan Kumar	
	62. B. Mamata	
	63. Nishant Kumar	
	64. Obit Jerang	
	65. Panchalingam Vivekandan	
	66. Pruthvidher. M	
	67. Pungoulu Resuh	
	68. Randhir Kumar	
	69. Rayeez P Abdul Nazir	
	70. Sujeet Kumar	
	71. Sunil Guleria	
	72. Surojeet Kumar	
	73. Tauhid Iqbali	
	74. Vijay Singh Meena	
	75. Senthil Ganesh. S	
	76. N. Vidhya	
	77. Vishnodaya Mohan	
	78. Shashank Saurav	
	79. Venkatesh Kumar. P.	
33.	Bachelor of Science Nursing	70
	1. Abarna R	
	2. Agasthiya. R	
	3. Ahila. C	
	4. Anjaly Thankappan	
	5. Anusha. K.S	
	6. Anusuya. D	
	7. Athira Kattunilam	
	8. Binkle Mary Gopi	
	9. Blessy Mathew	
	10. Cordelia Gracia Wankhar	
	11. Dheeneshbabu. L	
	12. Elizebeth Abraham	
	13. Finny Moses. E	
	14. Irene Freeda. W	
	15. Iswariyalakshmi. L	
	16. Janaki. G	
	17. Jayabharathi. S	
	18. Jismol. V.G	
	19. Josephine Mary. A	
	20. Judah Catherina. C	
	21. Kalaiazhagi. D	
	22. Kalaiselvi. A	
	23. Kalyani. V	

(Continued)

Academic Section

24. Kanimozhi. P
25. Kaviya C.M
26. Ketsi. D
27. Kirthiga Usha. R
28. Lilly Monicka Karunyam. J
29. Marcy. S
30. Muktatman Pandya. J
31. Nalini. M
32. Nihar Banu. N
33. Nisha Merry Jose
34. Nisha. U.S
35. Pooja S Krishnan
36. Poornima. V
37. Preetha. C
38. Punnagai. N
39. Radhika. S
40. Rakhimol. P.R
41. Revathy. D
42. Rinu Nassar
43. Sandra Paulose
44. Saravanapriya. M
45. Terryimize. I
46. Vathani. G
47. Vatturi Vijaya Kumari
48. Velangi Satyasri
49. Viji. G
50. Viruthambigai. S
51. Vithya. P
52. Jayabharathy. D
53. Kanimozhi. M
54. Kavitha. K
55. Arathana. P
56. Bamin Mary
57. Ben James. Y
58. Devi. G
59. Indhuja. G
60. Kalaivani. K
61. Lily Rangnamei
62. Maragathambigai. T
63. Marsarsuk Challam
64. Michi Yasing
65. Ponmani. C
66. Porkalai@Suba. R
67. Sharika. S
68. Soubhagya. S
69. Suguna. P
70. Surikala. R

34.	Bachelor of Science	Medical Laboratory Technology	29
	1. Anandh. P		
	2. Aneena Eldhose		
	3. Arul Vincent. K		

4. Devi. B
5. Geetha. K
6. Hemalatha. V
7. Jayalakshmi. A
8. Kalpana. A
9. Kalpana. S
10. Kaviya Priya. P
11. Mailan. N
12. Manjuriya. S
13. Nivenitha. P
14. Padmavathi. P
15. Prasanna Venkadesa Perumal. K
16. Rakesh. M
17. Ravanan. K
18. Santosh Chaudhary
19. Saranyadevi. S
20. Sarayu Gopal. S.S
21. Southa. J
22. Sri Gowri. G
23. Srimathi. L
24. Srivisvadhya. S
25. Suganya. R
26. Tamilvani. P
27. Umamaheswari. V

PRIZES

A total of 62 medals had been instituted by various donors to be awarded to Undergraduates and Postgraduates students the details are under:

Undergraduates

S. No.	Subject	Name of Endowment Prize	Criteria for selection	Selected Candidate
1.	Anatomy	Dr. S. C. Mitra and Mrs. Geetha Mitra Endowment Prize	Student who Secures highest mark in the Annual Examination in Anatomy Subject in MBBS Course	Jithin Mathew
2.	Physiology	Smt.Nishamani Parija Endowment Prize	Student who Secures highest mark in the Annual Examination in Physiology in MBBS Course	Sonia Agrawal
3.	Biochemistry	Dr.M.K. Ramanathan Memorial prize	Student who secures highest marks in all notified Internal Assessment tests (practical and theory) including send up in the subject of Biochemistry.	Jithin Mathew
4.	Best Student of First year MBBS	Mr. Ajay J Mathews Memorial Prize	Student who secures the highest IA mark in all pre-clinical subjects viz. Anatomy, Physiology and Biochemistry	Jithin Mathew

(Continued)

Academic Section

S. No.	Subject	Name of Endowment Prize	Criteria for selection	Selected Candidate
5.	Microbiology	(a) 21st Annual Conference of Association of Pathologists and Microbiologists prize.	Student who secures the highest mark in all the notified IA tests including send up in the subject of Microbiology.	Garikapati Vrandha
		(b) Dr. Vijay Kumar Moorthy Endowment Prize and	The MBBS student who secures the highest mark in the Annual Examination in the subject of Microbiology.	Anchu Anna Cherian
		(c) Tropical Parasitology Endowment Prize	Interns who secure highest marks based on single common examination on theory.	Sohini Chattopadhyay
6.	Pathology	(a) 21st Annual Conference of Association of Pathologists and Microbiologists prize.	Student who secures the highest mark in all the notified IA tests including send up (in case of tie/ attendance is taken into consideration) in the subject of Pathology.	Garikapati Vrandha
		And (b) Dr. Vijay Kumar Moorhy Endowment Prize	The MBBS student who secures the highest mark in the annual Examination in the subject of Pathology.	Rajanarayanan. S
7.	Pharmacology	Dr. B.N. Ghosh Memorial Prize	Student who secures the highest mark in all the notified IA tests including send up in the subject of Pharmacology.	Saroj Rajan
8.	Forensic Medicine	Instituted by BATCH OF 1981 Alumini	Based on the Highest Marks in annual Examination	Puja Kumari
9.	Best student of second MBBS	Sri Sudhir Chandra Bhattacharya Memorial Endowment Prize	Student who secures the highest mark in all the notified IA tests in III to V semester (II MBBS) viz. Pathology, Microbiology, Forensic Medicine and Pharmacology including send up examination.	Saroj Rajan
10.	Ophthalmology	M/S South Arcot District Co-operative Supply and Marketing Society Ltd, Prize	Student who secures the highest mark in all the notified IA tests including send up in the subject of Ophthalmology.	Sabia Handa
11.	P&SM	(a) Sri. N. Selvaradjalou Chettiar Memorial Prize and	Student who secures the highest mark in all the notified IA tests including send up from I to VII semesters in the subject of P&SM.	Aswin Chandran.C
		(b) Sri. V. Manicassamy Endowment Prize	Based on the record of Comments Posting, Presentation, Attendance plus Expression of Faculties.	Santosh Swaminathan
12.	ENT	Dr. Sudha Balan Memorial Endowment Prize	Based on the Highest Marks in Annual examination	Santosh Swaminathan

13.	Best student of Pre-final year MBBS	Dr. S. Lakshmanan Memorial Endowment Prize	Student who secures highest mark in the Internal, Assessment in P&SM, E.N.T, and Ophthalmology of pre-final year MBBS course	Santosh Swaminathan
14.	Medicine	(a) Dr. V. Murali Memorial Endowment Prize and	Best student of MBBS in the subject of medicine. 75% weightage for send up examination and 25% weightage for other notified tests only in the Final year MBBS	Shri Varthan R
		(b) Dr. V. Udayaraj Gold Medal,	The prize is awarded to First Rank holder in Medicine in annual Exam among Final MBBS students.	Shri Varthan R
15.	Surgery	(a) Mrs. S. Santoshwati Memorial Prize and	Student who secures the highest mark in all the notified IA tests including send up in the subject of Surgery.	Shri Varthan R
		(b) Smt. Nishamani Parija Endowment Prize	Student who Secures highest mark in the annual Examination in Surgery in MBBS Course	Sharmila. M
16.	Obstetrics and Gynecology	(a) Dr. (Mrs). S. N. Mukherjee Gold Medal and	Student who secures highest mark in all the notified IA tests including send up in the subject of Obstetrics and Gynaecology.	Ramya. R
		(b) Dr.Uvathy Memorial Endowment Prize	Student who secures Second highest mark in all the notified IA tests including send up in the subject of Obstetrics and Gynaecology.	Sinthuja. V
17.	Pediatrics	Mrs. Susheela Selvaradjoulou Memorial Prize	Student who secures the highest mark in all the notified IA tests including send up in the subject of Pediatrics.	Sharmila. M
18.	Psychiatry	Indian Psychiatric Society(South Zone) Endowment Prize	Student who secures based on a single examination of 20 T/P items of 80 marks and 2 SAQs of 20 marks in the subject of Psychiatry.	Aditya. M
19.	Dermatology and STD	Indian Association of Dermatologist, Venereologist and Leprologist Medal	Student who secures the highest mark in a single common examination, theory only (SAQs) in the subject of Dermatology and STD.	Sabia Handa
20.	Anesthesiology	(a) ISA and	Single notified prize exam, (theory only)	Venkata Ganesh
		(b) Dr. Chakravarthy Memorial prize		
21.	Orthopedics	Dr. Vijay Kumar Moorthy Endowment Prize	MBBS Student who secures the highest mark in internal assessment in the subject of Orthopedics.	Nishanthini. A

(Continued)

Academic Section

S. No.	Subject	Name of Endowment Prize	Criteria for selection	Selected Candidate
22.	Cardiology	MOH Hassan Kuthoose Marikar Endowment Prize	Student who secures the highest mark based on Single common exam (theory only) (SAQs) among Interns in the subject of Cardiology.	Vijay. M
23.	Neurology	Dr. K.G.S. Nanda Endowment prize	Student who secures the highest mark based on Single common exam (theory only) (SAQs) among Interns in the subject of Neurology.	Vijay. W
24.	Radiotherapy (ONCOLOGY)	Mrs. Subhadra Devi and Dr. K.V.K. Rao	Best UG student in ONCOLOGY(based on a test involving Medical, Surgical and Radiation oncology)	No eligible candidate
25.	Best Student of final MBBS	Brigadiar A. Nilakantan Memorial Prize	Best Student of final MBBS based on the cumulative total marks of all four subjects of final MBBS in the annual Examinations	Shri Varthan. R
26.	Best Intern of 2010	Dr. S. C. Mitra and Mrs. Geetha Mitra Endowment Prize	1) As per the Scores on the Intern diary. 2) Belong to the Regular Batch. 3) Should have joined Internship at least on 1st January and completed on 31st December	Santha Kumar. S
27.	Best all rounder among outgoing MBBS Students	Dr. K.S. Sridhar Memorial JIPMER Alumni Association Prize and Sri. M.C. RamaVarma Valia Raja Memorial Gold Medal	Criteria Circulated Separately.	No eligible candidate
28.	Best outgoing MBBS graduate of the Year	Dr. Vikrant Gupta Memorial Medal	The Prize is awarded based on the aggregate in total of all the annual Exam Marks from first to final year MBBS exams passed without any failure.	Venkata Ganesh
29.	Paediatrics	Su Kannan Endowment Prize	Best performance in University Exams	Amirtha. G
30.	Surgery	JIPMER Alumini Association Dr. Chaudhary Memorial Prize	Best Undergraduate in Surgery	Sharmila. M.
31.	Pharmacology	Prof. C. H. Sashindran Gold Medal	Student who score highest marks in second MBBS examination- Pharmacology	Garikapati Vrandha
32.	Best outgoing lady MBBS student	A.N. Thyagarajan Memorial Medal	The prize is awarded based on the aggregate in total of all the annual Exams Marks from first to final MBBS exams passed without any failure	Milthi Manoj

Post Graduates

S. No.	Subject	Name of Endowment Prize	Criteria for Selection	Selected Candidates
1.	Medicine	Thaiyal Nayaki Gold Medal	The prize is awarded to best PG Thesis in MD (General Medicine)	Dr. Aishwarya Krishnamurthy Dr. Krishna Sarin M. S.
2.	MD General Medicine	Dr. S. C. Mitra and Mrs. Geetha Mitra	Scoring highest mark in the annual Examination in MD General Medicine	1. Susmitha Chandragiri
3.	MD Paediatrics	Dr. Balakrishnan Prize	Scoring highest mark in the annual Examination in MD Paediatrics	Dr. B.Bharathi
4.	Obstetrics and Gynecology	Dr. A.V. Umachigui Memorial Gold Medal	The student who secures First rank in IA, plus a pass in MD in first attempt in the subject of Obst. and Gynae.	Dr. Galidevara Chandana
5.	Anesthesiology	Dr. Sunitha Shorey Memorial Gold Medal.	The award is based on a Single notified prize exam, clinical and theory in the subject of Anesthesiology.	Dr. Ranjan Raj Pandey
6.	Dermatology and STD	Indian Association of Dermatology and Venereology Medal	PG student who secures First rank in Final MD.	Dr. Sivaranjini. R and Dr. Divya Gupta
7.	Biochemistry	K. Chudiwala endowment prize	The student who secures highest mark in all the notified IA tests in the subject of Biochemistry.	Souparnika. S
8.	MS General Surgery	(a) Dr. S. C. Mitra and Mrs. Geetha Mitra (b) Prof. B. N. Balakrishna Rao	Scoring highest mark in the annual Examination in MS General Surgery Scoring highest marks in internal assessment marks.	1.Vijay Ganapathy. S Dr. P. Sridhar
9.	Orthopedics	Dr. Vijay Kumar Endowment Prize	The Post graduate student who secures the highest marks or the first rank in the subject of Orthopedics in the annual Examination among Jipmer Students.	1. Dr. Varun Krishna. K.
10.	Ophthalmology	(a) XVIII Madras Ophthalmic Conference Medal and Mr. K. S. V. Sivaram	PG student who secures First Rank in the annual examination. Best PG student in Ophthalmology (to be judged by conducting an examination by the department)	1. Dr. Ganne Pratyusha and Dr. Lavanya
11.	Neurology	Dr. S Chandrasekar Endowment Prize	Based on a single common Exam. Theory final year PG Residents in the Dept. of Medicine, Paediatrics, Psychology, Surgery and Anaesthesiology.	Dr. Arun.K
12.	Surgery	JIPMER Alumni Association Dr. S. B. Sen Memorial Prize	Best Post Graduate in Surgery .	Dr.Vijay Ganapathy. S

(Continued)

Academic Section

S. No.	Subject	Name of Endowment Prize	Criteria for Selection	Selected Candidates
13.	Pathology	JIPMER Alumni Association Dr. D.J. Reddy Memorial Prize	Best Post Graduate in Pathology	Dr. Shilpa Rao
14.	Pharmacology	Prof. M. N. Ghosh Gold Medal	Outstanding performance in MD Pharmacology Course	Dr. B. K. Ravindra
15.	Cardiology	Dr. D. B. Bisht Endowment Prize- Prize in Cardiology for PG's in MD Medicine	For the subject of Cardiology conducted by the Dept. of Medicine	Dr. Susmitha Chandragiri
16.	Microbiology	Dr. Srirangam Sitharam Shreeram Memorial Fund	PG student who secures first rank in annual examination in MD Microbiology	Dr. Sangeetha A. V.
17.	Biochemistry	Dr. Srirangam Sitharam Shreeram Memorial Fund	PG student who secures first rank in annual examination in MD in Biochemistry	Dr. Srilatha. K

Para Medical Courses

S. No.	Subject	Name Of Endowment Prize	Criteria For Selection	Selected Candidates
1.	M.Sc. Medical Biochemistry	Satya Bhama Murali Endowment Prize	M.Sc. student who secures highest mark in all notified test for IA in the subject of M.Sc. Medical Biochemistry.	Souparnika. S
2.	Best outgoing B.Sc. (MLT) student	Institute	Based on the aggregate of total in all the annual Exam marks from first to final semester without any failure	Aneena Eldhose
3.	Best Outgoing B.Sc. Nursing student	Nabicon Best outgoing B.Sc Nursing student	The Prize is awarded based on the aggregate in total of all the annual exam marks from first to final exams passed without any failure	Irene Freeda.W

Research

S. No.	Subject	Name of Endowment Prize	Criteria For Selection	Selected Candidates
1.	Three annual Institute awards for Research	Dr. D. B. Bisht Endowment Prize	JIPMER SCIENTIFIC SOCIETY 1. Senior Faculty 2. Junior Faculty 3. Resident	1. Dr. T. K. Dutta 2. Dr. S. Kumarvel 3. Dr. Sajith P Sasi

Entrance Examinations—Dates

MBBS	June 02, 2013
M.Ch.— CTVS/Neuro Surgery/Urology DM -Cardiology/Neurology/Neonatology/ Cl.Immunology/Cl. Pharmacology Post Doctoral Fellowship /Ph.D/M.Sc – Medical Biochemistry/MLT Microbiology B.Sc. – Nursing/MLT/Dialysis Technology/Medical Radiation Technology/Operation Technology/Perfusion Technology	July 28, 2013
Post Graduate	February 10, 2013

COMMITTEE MEMBERS FOR THE YEAR 2013–2014**Standing Academic Committee**

1.	Prof (Dr.) M.S. Ramachandran (Former Professor and HOD, Department of Medicine, Madras Medical College), Chennai	CHAIRMAN
2.	Shri B.S. Gnanadesikan Hon'ble M.P. (Rajya Sabha)	MEMBER
3.	Dr. Jagdish Prasad Director General of Health Services, Govt. of India	MEMBER
4.	Dr. Santharam, Vice Chancellor, Tamil Nadu Dr. MGR Medical University, Chennai	MEMBER
5.	Prof (Dr.) K.K. Talwar Director, PGIMER, Chandigarh	MEMBER
6.	Prof. (Dr.) D. Nagaraja Director/Vice-Chancellor National Institute of Mental Health and Neuro Sciences, Bangalore.	MEMBER
7.	Prof. (Dr.) Suneeta Mittal Prof. and Head, Department of Obstetrics and Gynecology, All India Institute of Medical Sciences, New Delhi.	MEMBER
8.	Prof.(Dr.) Surendran Professor and Head, Institute of Surgical Gastroenterology, Govt. Stanley Medical College, Chennai.	MEMBER
9.	Dr. V.I. Mathan (Former Director, CMC, Vellore)	MEMBER
10.	Dr. V.M. Katoch Secretary – Department of Health Research and Director-General, ICMR, New Delhi	MEMBER
11.	The Secretary to GOI in the Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan – New Delhi	MEMBER
12.	Shri. Debasish Panda, Joint Secretary, Ministry of Human Resource Development, Nirman Bhawan – New Delhi	MEMBER
13.	Dr. K.S Reddy Dean, JIPMER	MEMBER
14.	Dr. T.S. Ravikumar Director, JIPMER	MEMBER SECRETARY

Examination Section

FACULTY LIST

- | | | |
|--|---|-----------------|
| 1. DEAN | : | S. Mahadevan |
| 2. PROFESSOR (EXAMINATIONS) | : | S. Vivekanandam |
| 3. ASSISTANT CONTROLLER
OF EXAMINATIONS | : | K. Mahesh |

During the period under review (2013–2014), the Examination Section conducted the following Professional Examinations.

UNDERGRADUATE AND POSTGRADUATE PROFESSIONAL EXAMINATIONS

Details of various Undergraduate and Postgraduate professional examinations conducted by the Examination Section, JIPMER, Puducherry from April 1, 2013 to March 31, 2014.

MAY/JUNE 2013

S. No.	Examination	Number of Students				
		Appeared	Passed	Pass%	Failed	Fail%
1.	MBBS First Year	144	132	91.67	12	8.33
2.	MBBS Second Year	29	25	86.21	4	13.79
3.	MBBS Final Year Part I	12	11	91.67	1	8.33
4.	MBBS Final Year Part II	34	22	64.71	12	35.29
5.	B.Sc. (Nursing) I Year	81	74	91.36	7	8.64
6.	B.Sc. (Nursing) II Year	73	60	82.19	13	17.81
7.	B.Sc. (Nursing) III Year	59	59	100	0	0
8.	B.Sc. (Nursing) IV Year	70	66	94.29	4	5.71
9.	B.Sc. (Nursing) VI Semester	1	1	100	0	0
10.	B.Sc. (Nursing) VII Semester	2	1	50	1	50
11.	B.Sc. (Nursing) VIII Semester	2	2	100	0	0
12.	B.Sc. (MLT) I Year	32	23	71.88	9	28.13
13.	B.Sc. (MLT) III Semester	2	1	50	1	50
14.	B.Sc. (MLT) IV Semester	30	27	90	3	10
15.	B.Sc. (MLT) VI Semester	27	26	96.30	1	3.70
16.	B.Sc. (Cardiac Laboratory Technology) I Year	4	4	100	0	0
17.	B.Sc. (Dialysis Technology) I Year	3	2	66.67	1	33.33

18.	B.Sc. (Dialysis Technology) III Semester	1	1	100	0	0
19.	B.Sc. (Dialysis Technology) IV Semester	5	5	100	0	0
20.	B.Sc. (Dialysis Technology) V Semester	1	0	0	1	100
21.	B.Sc. (Dialysis Technology) VI Semester	4	4	100	0	0
22.	B.Sc. (Neuro Technology) I Year	2	1	50	1	50
23.	B.Sc. (Neuro Technology) IV Semester	2	2	100	0	0
24.	B.Sc. (Nuclear Medicine Technology) I Year	4	1	25	3	75
25.	B.Sc. (Operation Theatre Technology) I Year	4	3	75	1	25
26.	B.Sc. (Operation Theatre Technology) IV Semester	3	3	100	0	0
27.	B.Sc. (Operation Theatre Technology) VI Semester	3	3	100	0	0
28.	B.Sc. (Perfusion Technology) I Year	4	2	50	2	50
29.	B.Sc. (Perfusion Technology) IV Semester	3	3	100	0	0
30.	B.Sc. (Perfusion Technology) VI Semester	4	4	100	0	0
31.	B.Sc. (Radiotherapy Technology) I Year	4	3	75	1	25
32.	B.Sc. (Radiotherapy Technology) IV Semester	4	4	100	0	0
33.	B.Sc. (Medical Radiation Technology) VI Semester	4	4	100	0	0
34.	M.Sc. (Medical Biochemistry) I Year	8	8	100	0	0
35.	M.Sc. (Medical Biochemistry) II Year	8	6	75	2	25
36.	M.Sc. (Medical Biochemistry) III Year	8	7	87.50	1	12.50
37.	M.Sc. (Medical Physiology) I Year	2	2	100	0	0
38.	M.Sc. (MLT) Microbiology, I Year	4	4	100	0	0
39.	M.Sc. (MLT) Microbiology, II Year	3	3	100	0	0
40.	M.Sc. (MLT) Cytopathology, I Year	4	4	100	0	0
41.	Ph. Din Medical Biochemistry	1	1	100	NA	NA

JUNE/JULY 2013

1.	M.Sc. Paediatric Nursing	4	4	100	0	0
2.	M.Sc. Community Health Nursing	5	5	100	0	0
3.	M.Sc. Medical Surgical Nursing	5	5	100	0	0
4.	M.Sc. Psychiatry Nursing	3	2	66.67	1	33.33
5.	M.Sc. Obstetric and Gynaecology Nursing	4	4	100	0	0
6.	D.M. (Cardiology)	3	3	100	0	0
7.	D.M. Clinical Immunology	1	1	100	0	0
8.	D.M. Clinical Pharmacology	1	1	100	0	0
9.	D.M. Neonatology	1	1	100	0	0
10.	D.M. Neurology	1	1	100	0	0
11.	M.Ch. (CTVS)	3	3	100	0	0
12.	M.Ch. (Neurosurgery)	1	1	100	0	0
13.	M.Ch. (Urology)	4	4	100	0	0
14.	Fellowship in Diabetology	1	1	100	0	0
15.	Fellowship in Paediatric Critical and Emergency Care	2	2	100	0	0
16.	Fellowship in Cardiac & Neuro Anaesthesiology	1	1	100	0	0
17.	Fellowship in Critical Care (Anaesthesiology)	3	3	100	0	0
18.	Fellowship in Tropical Parasitology	1	1	100	0	0
19.	Certificate course in Medical Records Technician	11	11	100	0	0
20.	Certificate course in Medical Records Officer	11	10	90.91	1	9.09

(Continued)

Examination Section

S. No	Examination	Number of Students				
		Appeared	Passed	Pass%	Failed	Fail%
OCTOBER 2013						
M.D.						
1.	Biochemistry	1	1	100	0	0
2.	Community Medicine	1	1	100	0	0
3.	Dermatology, Venereology & Leprology	2	0	0	2	100
4.	Pharmacology	1	1	100	0	0
M.S.						
5.	Orthopaedics	1	1	100	0	0
6.	MBBS I Year Supplementary Exam	10	4	40	6	60
7.	M.Sc. Medical Biochemistry II Year	2	2	100	0	0
8.	M.Sc. Medical Biochemistry III Year	2	2	100	0	0
NOVEMBER/DECEMBER 2013						
1.	MBB First Year	2	1	50	1	50
2.	MBBS Second Year	94	84	89.36	10	10.64
3.	MBBS Final Year Part I	86	83	96.51	3	3.49
4.	MBBS Final Year Part II	90	80	88.89	10	11.11
5.	B.Sc. (Nursing) I Year	7	6	85.71	1	14.29
6.	B.Sc. (Nursing) II Year	18	11	61.11	7	38.89
7.	B.Sc. (Nursing) III Year	9	8	88.89	1	11.11
8.	B.Sc. (Nursing) IV Year	10	6	60	4	40
9.	B.Sc. (Nursing) VII Semester	1	1	100	0	0
10.	B.Sc. (Nursing) VIII Semester	1	1	100	0	0
11.	B.Sc. (MLT) I Year	15	9	60	6	40
12.	B.Sc. (MLT) III Semester	28	27	96.43	1	3.57
13.	B.Sc. (MLT) IV Semester	2	1	50	1	50
14.	B.Sc. (MLT) V Semester	27	26	96.30	1	3.70
15.	B.Sc. (MLT) VI Semester	1	1	100	0	0
16.	M.Sc. Psychiatry Nursing	1	1	100	0	0
17.	D.M Neurology	1	1	100	0	0
18.	Certificate course in Medical Records Technician	11	11	100	0	0
19.	Certificate course in Medical Records Officer	7	5	71	2	28.57
JANUARY 2014						
1.	B.Sc. (Cardiac Laboratory Technology) III Semester	4	4	100	0	0
2.	B.Sc. (Dialysis Technology) I Year	1	1	100	0	0
3.	B.Sc. (Dialysis Technology) III Semester	3	3	100	0	0
4.	B.Sc. (Dialysis Technology) V Semester	5	5	100	0	0
5.	B.Sc. (Neuro Technology) I Year	2	1	50	1	50
6.	B.Sc. (Neuro Technology) III Semester	4	3	75	1	25
7.	B.Sc. (Neuro Technology) IV Semester	1	0	0	1	100
8.	B.Sc. (Neuro Technology) V Semester	3	3	100	0	0
9.	B.Sc. (Nuclear Medicine Technology) I Year	3	3	100	0	0
10.	B.Sc. (Nuclear Medicine Technology) III Semester	4	4	100	0	0
11.	B.Sc. (Operation Theatre Technology) I Year	1	1	100	0	0
12.	B.Sc. (Operation Theatre Technology) III Semester	3	3	100	0	0

13.	B.Sc. (Operation Theatre Technology) V Semester	3	3	100	0	0
14.	B.Sc. (Perfusion Technology) I Year	2	2	100	0	0
15.	B.Sc. (Perfusion Technology) III Semester	4	3	75	1	25
16.	B.Sc. (Perfusion Technology) V Semester	3	3	100	0	0
17.	B.Sc. (Radiotherapy Technology) I Year	1	1	100	0	0
18.	B.Sc. (Radiotherapy Technology) III Semester	4	3	75	1	25
19.	B.Sc. (Radiotherapy Technology) V Semester	4	4	100	0	0

MARCH 2014

M.D.						
1.	Anaesthesiology	10	10	100	0	0
2.	Anatomy	4	4	100	0	0
3.	Biochemistry	4	3	75	1	25
4.	Community Medicine	5	5	100	0	0
5.	Dermatology, Venereology and Leprology	7	7	100	0	0
6.	Forensic Medicine	2	2	100	0	0
7.	General Medicine	13	13	100	0	0
8.	Microbiology	2	2	100	0	0
9.	Paediatrics	10	10	100	0	0
10.	Pathology	4	4	100	0	0
11.	Pharmacology	3	3	100	0	0
12.	Physiology	3	3	100	0	0
13.	Psychiatry	2	2	100	0	0
14.	Pulmonary Medicine	2	2	100	0	0
15.	Radio-diagnosis	3	3	100	0	0
16.	Radiotherapy	3	3	100	0	0
M.S.						
17.	General Surgery	13	13	100	0	0
18.	Obstetrics and Gynaecology	12	10	83	2	16.67
19.	Ophthalmology	4	4	100	0	0
20.	Orthopaedics	5	5	100	0	0
21.	Oto-Rhino-Laryngology	3	3	100	0	0

Research Wing

Division of Research

FACULTY LIST

- | | | |
|-------------------|---|-----------------|
| 1. DIRECTOR | : | Ravi Kumar T.S. |
| 2. DEAN, RESEARCH | : | Parija S.C. |

The Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) is one of the leading Medical Institutions of India. Apart from the education and patient care services offered, JIPMER is one of the institutes in the country involved in active, high quality research. Research at the institution has been oriented to the areas of felt need and emphasizes the application of knowledge to relevant problems.

As research is the key to excellence in academic medicine, JIPMER inculcates the attitude of inquiry, acquisition of knowledge and the conduct of research in faculty and students. The JIPMER provides monetary support to a wide range of research activities ranging from undergraduate projects to international multi-centric studies. With new emphasis being placed on multidisciplinary research, JIPMER has taken the initiative in developing a state of the art “Central Research Facility” where the various departments could join hands in conducting research in par with the developed nations.

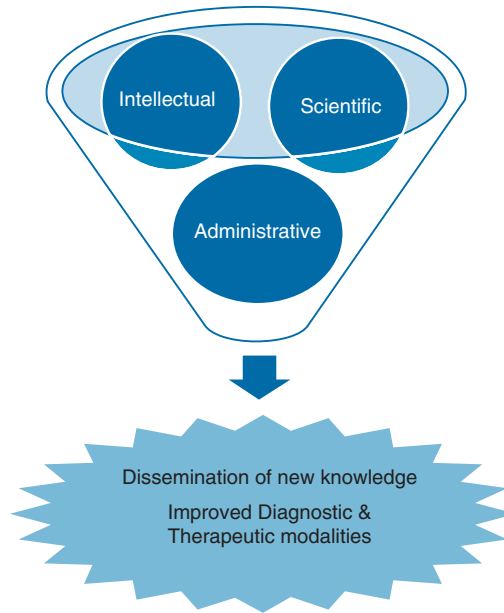
The JIPMER is an institution on the move in research and creative activity. JIPMER faculty are receiving prestigious national and international awards and fellowships, publishing in acclaimed journals and books, serving as reviewers and editors, and presenting their innovative research works at national and international conferences.

A new era for research has begun after JIPMER was declared as an Institution of National Importance (an autonomous body) under the Ministry of Health and Family Welfare, Government of India in 2008. It has paved way for creation of the central research facility which will assist faculty in developing their research programs long-term as well as grant proposals, collaborative teams, and engagements with other institutes and research centers in the country. Internal funding programs from the Research Council have been streamlined and expanded, and a new initiative, known as the Faculty Research Grant Program, has been started to support new projects that show promise for long-term growth.

Through years of research, JIPMER has substantially advanced the knowledge to improve the provision of curative and preventive services to the people. The office of the Dean of Research, JIPMER will strive to ensure the continuity of the research activities and will be instrumental in implementing newer concepts thereby ensuring the progress of not only the institution, but also that of the country.

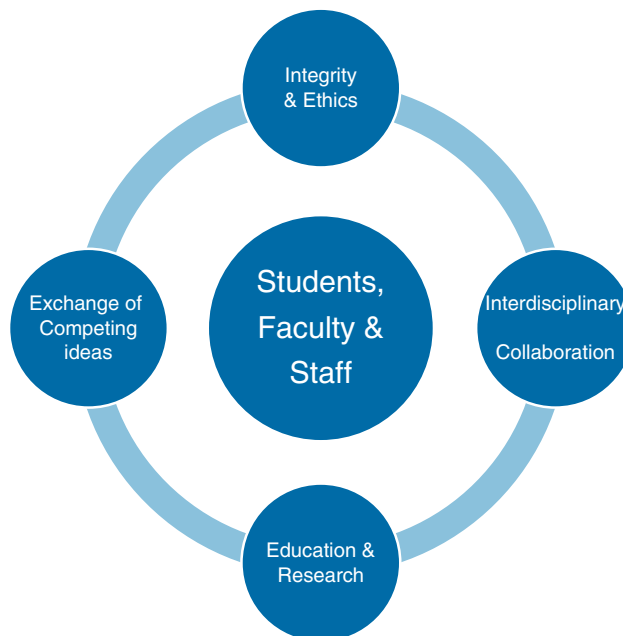
JIPMER RESEARCH MISSION

To utilize the intellectual, scientific and administrative resources of the JIPMER for the generation and dissemination of new knowledge to understand the basis of various diseases and improve diagnostic and therapeutic modalities.



JIPMER RESEARCH VALUES

- i. The students, faculty and staff and their dreams, ambitions and talents are the Institute’s most treasured assets.
- ii. All disciplines of scholarly endeavor are valued contributors to research and innovation.
- iii. Integrity, ethical conduct, and mutual respect are uncompromising principles by which research and innovation is being pursued.
- iv. Unencumbered exchange and debate of competing ideas and perspectives expands understanding, facilitates innovation and ultimately leads to excellence.
- v. Intradisciplinary and interdisciplinary collaboration among individuals involving scholars across multiple departments, institutions and organizations is treasured as a means for performing research and innovation.
- vi. Education and Research are inextricably intertwined and together represent the foundation of knowledge upon which the Institute’s endeavor for unsurpassable patient care rests.



The Dean—Research in co-ordination with the Director, JIPMER will bring new intellectual opportunities to faculty and students provide mechanisms for innovating research outcomes into capabilities that serve society, facilitate interdisciplinary collaboration, and create new modes of engagement with government agencies, and other stakeholders public and private. The Dean—Research, JIPMER will coordinate with the Director, JIPMER to identify funding for research, both in and outside the Institute.

The Dean—Research, JIPMER in association with various committees involved in research in the institution and will be responsible for the development and/or dissemination of official policies in the research and creative activity arena, as well as the facilitation of faculty, student and staff funding in all disciplines of the institute.

The office of the Dean of Research will focus on applied research, development and training across all disciplines on the JIPMER and complements existing JIPMER strengths in basic research and outreach.

The office **will** focus on applied research, development and training across all disciplines on the JIPMER and complements existing JIPMER strengths in basic research and outreach. The office will bring new intellectual opportunities to faculty and students, provides mechanisms for innovating research outcomes into capabilities that serve society, facilitates interdisciplinary collaboration, and creates new modes of engagement with industry, government agencies, and other stakeholders both public and private.

The necessary infrastructure and ambience will be created to pursue new R&D opportunities that complement existing in JIPMER strengths in basic research and outreach via the addition of an organization that focuses on applied research and development across all disciplines.

It is intended to move JIPMER into an area of applied research and development. Expected outcomes and impacts include but are not limited to:

- i. Creation of a much broader opportunity space for research and development, particularly in areas of application, significant growth in the number of non-faculty researchers, and engagement by all researchers in a much more coordinated, systematic fashion.
- ii. Increased breadth in research opportunities, especially applied, for students at both the graduate and undergraduate levels, and exposure to new ideas and approaches via mentoring by faculty as well as new non-faculty researchers.
- iii. Increased stature for the Institute as a comprehensive research institution, with a greater degree of recognition in key areas of national concern and deeper, broader engagements with private industry.
- iv. More effective translation of basic research outcomes into new diagnostic and therapeutic modalities and services for society, especially in areas of national interest.
- v. Considerable progression in JIPMER's administrative frameworks, leading not only to greater funding opportunities but also to options for driving necessary change in other areas.
- vi. Increased value of JIPMER to the Nation by expanding its R&D portfolio and positioning it to take a leadership role in important areas of communicable and non-communicable diseases.

Research Committees

The following committees have been functional to monitor research activities being carried out by faculty, residents, PhD scholars and both postgraduate and undergraduate students.

- i. JIPMER Scientific Advisory Committee (JSAC).
- ii. Institutional Committee for Stem Cell Research and Therapy (IC-SCRT)
- iii. Institute Ethics Committee (Human Studies).
- iv. JIPMER Institutional Animal Ethics Committee (JIAEC).
- v. Institutional Bio-Safety Committee (IBSC).
- vi. JIPMER Sponsored Clinical Trail Research Committee.
- vii. PhD Research Monitoring Committee.
- viii. Postgraduate Research Monitoring Committee (PGRMC).
- ix. Undergraduate Research Monitoring Committee (JURMC).

JIPMER Scientific Advisory Committee

FACULTY LIST

- | | | |
|-----------------------------------|---|----------------|
| 1. DIRECTOR AND CHAIRPERSON | : | Ravikumar T.S. |
| 2. DEAN AND VICE-CHAIRPERSON | : | Parija S.C. |
| 3. PROFESSOR AND MEMBER SECRETARY | : | Santosh Kumar |

INTRODUCTION

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With upgradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and postgraduate and postdoctoral students and increased availability of funds there has been a significant and continuing increase in research activity at all levels. The JIPMER Scientific Advisory Committee (JSAC) was constituted in 2009 by inclusion of external experts to replace the JIPMER Institute Research Council. The purpose of JIPMER Scientific Advisory Committee (JSAC) is to increase the quality of research which is undertaken in JIPMER.

Functions

The research proposals generated at JIPMER need to have the approval of a scientific committee before being submitted for an ethics committee for consideration. Under this process JIPMER Scientific Advisory Committee (JSAC) performs mainly the function of consideration of research proposals of JIPMER faculty for quality improvement and approval. After the approval the proposals are referred to JIPMER Ethics Committee for consideration. In addition to research proposals of JIPMER faculty, JSAC may also consider non-dissertation and non-thesis research proposals of JIPMER senior and junior residents and research proposals of JIPMER College of Nursing faculty and PhD research proposals requiring extramural funding.

Composition

JIPMER Scientific Advisory Main-Committee

S. No.	Name and Designation	Position in Committee
1.	Dr. T.S. Ravikumar, Director, JIPMER	Chairperson
2.	Dr. S.C. Parija, Dean(Research), JIPMER	Vice-Chairperson
3.	Dr. Santosh Kumar. Professor, Urology, JIPMER	Member Secretary
4.	Dr. C. Adithan. Professor and Head, Clinical Pharmacology, JIPMER	Member
5.	Dr. Ajit Sahai, Professor and Head, Biometrics and Medical Informatics, JIPMER	Member
6.	Dr. Gautam Roy, Professor and Head, Community Medicine, JIPMER	Member
7.	Dr. D.M. Thappa. Professor, Dermatology and STD, JIPMER	Member

(Continued)

S. No.	Name and Designation	Position in Committee
8.	Dr. R. Raveendran, Professor, Pharmacology, JIPMER	Member
9.	Dr. G.K. Pal, Professor and Head, Physiology, JIPMER	Member
10.	Dr. P. Jambulingam, Director, VCRC, Puducherry	Member
11.	Dr. Jayaprakash Muliylil, Former Professor, Community Medicine, CMC, Vellore	External member
12.	Dr. Hannah Rachel Vasanthi, Associate Professor, Biotechnology, Pondicherry University	External member
13.	Special Invitees [As per the requirements of proposals, subject experts from the JIPMER will be invited]	-

JIPMER Scientific Advisory Sub-Committee

In view of large number of proposals received by JIPMER Scientific Advisory Committee (JSAC), it was felt by the members of JSAC to form a subcommittee to discuss the proposals that are of lesser magnitude, so that the proposals to be discussed in the full JSAC will be less in number and more focused.

Criteria for Proposals to be Considered by JSASC

The proposals to be submitted for consideration by JIPMER Scientific Advisory Sub-Committee should fulfill the following criteria:

- i. Proposals that are not meant to be submitted for external funding.
- ii. All proposals that do not require any funding.
- iii. Institute faculty proposals that require JIPMER Intramural Funding less than Rs. 2 lakhs.
- iv. Proposals that are not multi-centric studies.
- v. Proposals having study period of one year or less.
- vi. Proposals having sample size 100 or less.

Composition

JIPMER Scientific Advisory Sub-Committee

S. No.	Name and Designation	Position in Sub-Committee
1.	Dr. S. C. Parija, Dean (Research), JIPMER	Chairman
2.	Dr. G.K. Pal, Professor and Head, Department of Physiology, JIPMER	Member Secretary
3.	Dr. Santosh Kumar, Professor and Head, Department of Urology, JIPMER	Member
4.	Dr. Ajit Sahai, Prof. and Head, Biometrics and Medical Informatics, JIPMER	Member
5.	Dr. R. Raveendran, Professor, Pharmacology, JIPMER	Member
6.	Dr. D.M. Thappa, Professor of Dermatology, JIPMER	Member
7.	Dr. Gautam Roy, Professor and Head, Department of PSM, JIPMER	Member

Activities

The meetings of the JIPMER Scientific Advisory Committee were conducted on the following dates:

S. No.	Date and Meeting	Number of Proposals Reviewed
JIPMER Scientific Advisory Main-Committee		
1.	Ninth Meeting of JIPMER Scientific Advisory Committee, held on November 01, 2013	41
2.	Tenth Meeting of JIPMER Scientific Advisory Committee, held on November 22, 2013	20
3.	Eleventh Meeting of JIPMER Scientific Advisory Committee, held on February 21, 2014	25
JIPMER Scientific Advisory Sub-Committee		
1.	First Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2013, held on November 08, 2013	16
2.	Second Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2014, held on January 27, 2014	4
3.	Third Meeting of JIPMER Scientific Advisory Sub-Committee (JSASC) for the year 2014, held on March 31, 2014	6

The revised formats for applying research proposals to the JSACS is made available on JIPMER website (www.jipmer.edu).

Institute Ethics Committee (Human Studies)

FACULTY LIST

- | | | |
|--|---|-------------|
| 1. DISTRICT JUDGE (RETD.) AND CHAIRMAN | : | Nadamuni S. |
| 2. PROFESSOR AND MEMBER SECRETARY | : | Adithan C. |

INTRODUCTION

JIPMER, a post graduate medical institute, promotes clinical research in areas of national and local health problems. The JIPMER faculty, research scholars, post graduate students, residents, and so on conduct several research works which involves patients and healthy human volunteers. After JIPMER becoming an “Institution of National Importance” there is a great increase in biomedical research and the number of research projects carried out. This involves a number of ethical issues which needs to be addressed. The Institute Ethics Committee (Human Studies) of JIPMER plays the vital role of guiding researchers in the ethical issues associated with their research.

Functions

The major responsibility of ethics committee is to protect the rights, safety and well-being of the research participants. The Institute Ethics Committee (Human Studies) conducts regular meetings for reviewing the research proposals and gives suggestions to the investigators to make their research ethical before approving them. All research projects in humans should get the approval of the ethics committee before starting their study.

Composition

As per ICMR guidelines 2006, the Institute Ethics Committee was reconstituted on October 11, 2011 and the members of the reconstituted ethics committee are:

Institute Ethics Committee (Human Studies), JIPMER, and Pondicherry (Registration number: ECR/687/Jipmer/Inst/PY/2013 dated May 23, 2013)

S. No.	Name and Address	Designation
1.	Shri. S. Nadamuni, Retired District Judge of Pondicherry, No. 60, IV Cross, Venkata Nagar, Pondicherry	Chairman
2.	Dr. A.K. Das, Senior Professor and Head, Department of Endocrinology, JIPMER	Member
3.	Dr. K.S. Reddy, Director, Regional Cancer Centre, JIPMER	Member
4.	Dr. Vasantha Muthuswamy, A-101, Manchester Regent, Avinashi Road, P.N. Palayam, Coimbatore-37	Member
5.	Dr. Nandini K. Kumar, R 127, 3rd Avenue, TNHB, Ayapakkam, Chennai-600 077	Member
6.	Dr. Zile Singh, Professor and Head, Department of Preventive and Social Medicine, Pondicherry Institute of Medical Sciences, Kalapet, Pondicherry-605 014	Member

(Continued)

S. No.	Name and Address	Designation
7.	Dr.Santosh Kumar, Senior Professor, Department of Urology, JIPMER	Member
8.	Dr. N. Sakthivel, Professor and Head, Department of Biotechnology, Pondicherry University, Pondicherry-605 014	Member
9.	Dr. M.G. Sridhar, Professor of Biochemistry, JIPMER	Member
11.	Dr. K. Chandrasekaran, Associate Professor, Dr. Ambedkar Govt. Law College, Kalapet, Pondicherry	Member
12.	Ms. Usha, No. 5, Sagayathai Street, VOC Nagar, Muthialpet, Pondicherry-605 003	Member
13.	Mrs. M. Vasuki, No. 9, II Cross, North Ezhil Nagar, Muthialpet, Pondicherry-605 003	Member
14.	Dr. C. Adithan, Senior Professor and Head, Department of Clinical Pharmacology, JIPMER	Member secretary

Institute Ethics Sub-Committee (Human Studies), JIPMER, and Pondicherry

The thesis or dissertation projects of postgraduates, PhD scholars and MBBS student projects which have less than minimal risk are discussed in sub-committee meetings. The sub-committee is constituted by the chairman, member secretary and a member from outside institution (legal expert).

Composition

S. No.	Name and Address	Designation
1.	Dr. Santosh Kumar, Senior Professor, Department of Urology, JIPMER	Chairman
2.	Dr. M.G. Sridhar, Senior Professor of Biochemistry, JIPMER	Member
3.	Dr. K. Chandrasekaran, Associate Professor, Dr. Ambedkar Govt. Law College, Kalapet, Pondicherry	Member
4.	Mrs. M. Vasuki, No. 9, II Cross, North Ezhil Nagar, Muthialpet, Pondicherry-605 003	Member
5.	Dr. C. Adithan, Senior Professor and Head, Department of Clinical Pharmacology, JIPMER	Member secretary

Activities

The meetings of the Institute Ethics Committee were conducted at the following dates and reviewed 411 research proposals.

S. No.	Date and Meeting	Number of Proposals Reviewed
Institute Ethics Committee		
1.	June 18, 2013	27
2.	July 24, 2013	17
3.	August 28, 2013	19
4.	September 30, 2013	9
5.	November 11, 2013	3
6.	January 29 and 30, 2014	77
7.	February 28, 2014	11
8.	March 27, 2014	14

Institute Ethics Sub-Committee		
1.	June 5, 2013	25
2.	November 19, 2013	6
3.	December 24, 2013	50
4.	January 27, 2014	88
5.	February 12, 2014	47
6.	March 21, 2014	18
Total		411

The revised formats for applying research proposals to the ethics committee, volunteer information sheet and consent forms are made available on JIPMER website (www.jipmer.edu). Also the ICMR ethical guidelines for biomedical research on human participants (2006) are available at the website.

To ensure smooth functioning of the Institute Ethics Committee has adopted a Standard Operating Procedure (SOP) in June 2010 which is revised currently in March 2013 and is updated in the JIPMER website.

The guidelines for compensation of study participants in the event of research related injury was formulated and made available at ww.jipmer.edu

Institute Ethics Committee (Animal Studies)

FACULTY LIST

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|---------------------|---|-------------|
| 1. CHAIRPERSON | : | Reddy K.S. |
| 2. MEMBER SECRETARY | : | Parija S.C. |

INTRODUCTION

JIPMER, being a teaching and research institution with many post-graduates and PhD scholars performing research on animals, the JIPMER Institutional Animal Ethics Committee (JIAEC) has been constituted to oversee and evaluate all aspects of the institution's animal care and use program. The JIAEC provides assurance for humane procedures and care of live vertebrate animals in teaching and research as detailed in the Rule 13 of the Breeding of and experiments on Animals (Control and Supervision). Before research involving animal usage can be undertaken, the project will have to be reviewed and approved by the JIAEC.

Function

The functions of the JIPMER Institutional Animal Ethics Committee (JIAEC) are as follows:

- i. Review proposed use of animals in research and require any modifications necessary for approval, or withhold approval prior to use of animals.
- ii. Approve research involving animals which conform to the various guidelines for use of animals in research.
- iii. Review periodically the Institute's animal facility.
- iv. Review and investigate legitimate concerns involving the care and use of animals during research.
- v. Suspend the research activity which does not adhere to guidelines for use of animals in research and take corrective action.
- vi. Ensure that all personnel involved in animal care and use are appropriately qualified to perform their duties and conduct proposed activities.

Composition

S. No.	Name and Address	Designation
1.	Dr K.S. Reddy, Director, RCC, JIPMER	Chairman
2.	Dr. M. Naseema, CPCSEA Nominee	Member (CPCSEA Nominee)
3.	Dr. S. Jayachandiran, Professor and Head, Department of Biotechnology, Pondicherry University, Pondicherry	Member
4.	Dr. P.P. Mathur, Head, Department of Life Sciences, Pondicherry University, Pondicherry.	Member
5.	Dr. S.L. Hoti, Deputy Director, VCRC, Pondicherry-6.	Member
6.	Dr. D. Kumar, Sr. Prof. of Parasitology, Rajiv Gandhi College of Vet. and Animal Sciences, Puducherry-9.	Member

(Continued)

S. No.	Name and Address	Designation
7.	Dr Lydia Rajakumari, Prof. and Head, Department of Microbiology Indira Gandhi College of Arts and Science, Puducherry-9.	Member
8.	Dr. S.C. Parija, Dean, Research JIPMER, Pondicherry-6.	Member-Secretary

Activities

The detail of the Institute Animal Ethics Committee meeting held during the last academic year is mentioned below:

S. No.	Date and Meeting	Number of Proposals Reviewed
1.	February 6, 2013	4

JIPMER Undergraduate Research Monitoring Committee

FACULTY LIST

- | | | |
|-----------------------------------|---|-------------|
| 1. DEAN AND CHAIRPERSON | : | Parija S.C. |
| 2. PROFESSOR AND MEMBER SECRETARY | : | Vikram Kate |

INTRODUCTION

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With up gradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and undergraduate students across all streams there has been a significant and continuing increase in research activity at all levels. The UG Research Monitoring Committee (JURMC) was constituted on January 10, 2014. The purpose of UG Research Monitoring Committee (JURMC) is to increase the quality of undergraduate research, which is undertaken in JIPMER and encourage the students to publish it reputed journals.

Functions

The undergraduate research proposals generated at JIPMER need to have the approval of a scientific committee before being submitted for an ethics committee for consideration. Under this process, UG Research Monitoring Committee will perform mainly the function of consideration of undergraduate research proposals for quality improvement and approval. After the approval the proposals will be referred to JIPMER Ethics Committee for consideration.

UG Research Monitoring Committee has following terms of references (TOR):

- i. To facilitate UG students in learning to think in innovative and creative ways.
- ii. To facilitate UG students in understanding the link between research and patient care.
- iii. To facilitate UG students to use and understand the relevance of using statistical methods and tools required.
- iv. To facilitate UG students to understand the importance of teamwork in conducting research.
- v. To facilitate UG students in developing communication skills to present their research findings in various scientific platforms.

Composition

UG Research Monitoring Committee (JURMC):

S. No.	Name and Designation	Designation
1.	Dr. S.C. Parija, Dean (Research), JIPMER	Chairperson
2.	Dr. Vikram Kate, Professor and Head, Department of Surgical Gastroenterology, JIPMER	Member Secretary
3.	Dr. R.P. Swaminathan, Professor and Head, Department of Medicine, JIPMER	Member
4.	Dr. Mrs. S. Revathi, Principal, College of Nursing, JIPMER	Member

(Continued)

S. No.	Name and Designation	Designation
5.	Dr. M.G. Sridhar, Professor and Head, Department of Biochemistry, JIPMER	Member
6.	Dr. L.N. Dorairajan, Professor and Head, Department of Urology, JIPMER	Member
7.	Dr. R. Raveendran, Professor of Pharmacology, JIPMER,	Member
8.	Dr. Latha Chaturvedulla, Professor of Obstetrics and Gynecology, JIPMER	Member
9.	Dr. Sonali Sarkar, Associate Professor of Community Medicine, JIPMER	Member
10.	Dr. N.G. Rajesh, Associate Professor of Pathology, JIPMER	Member
11.	Mr. K.T. Harichandrakumar, Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics	Member

Activities

The meetings of Undergraduate Research Monitoring Committee were conducted at the following dates:

S. No.	Date and Meeting	Number of Proposals Reviewed
1.	First meeting of the JIPMER Undergraduate Research Monitoring Committee meeting was held on February 22, 2014 for approval of Undergraduate Nursing Students proposals.	12
2.	Second meeting of the JIPMER Undergraduate Research Monitoring Committee Meeting was held on March 19 and 20, 2014 for the Approval of undergraduate MBBS students ICMR—STS Projects for 2014	37

Postgraduate Research Monitoring Committee

FACULTY LIST

- | | | |
|-----------------------------------|---|-------------|
| 1. DEAN AND CHAIRPERSON | : | Parija S.C. |
| 2. PROFESSOR AND MEMBER SECRETARY | : | Thappa D.M. |

INTRODUCTION

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) has been promoting research activities in medical sciences since its inception. With up gradation of JIPMER as an “Institution of National Importance” and consequent increase in faculty members and postgraduate and postdoctoral students and increased availability of funds there has been a significant and continuing increase in research activity at all levels. The PG Research Monitoring Committee (PGRMC) was constituted on November 23, 2013. The purpose of PG Research Monitoring Committee (PGRMC) is to increase the quality of postgraduate research, which is undertaken in JIPMER and make it worth publication in indexed journals.

Functions

The postgraduate research proposals generated at JIPMER need to have the approval of a scientific committee before being submitted for an ethics committee for consideration. Under this process, the PG Research Monitoring Committee (PGRMC) will perform mainly the function of consideration of postgraduate research thesis for quality improvement and approval. After the approval the proposals will be referred to JIPMER Ethics Committee for consideration. Approved proposal will be considered for intramural funding if required.

PG Research Monitoring Committee (PGRMC) has following terms of references (TOR):

- i. To approve the project proposals of the dissertation submitted by PG students.
- ii. To monitor and supervise timely completion of dissertation work by PG students.
- iii. To assess the justification for allocation of intramural research funds for the dissertation works, if asked.
- iv. To discuss and implement, if at least one publication in indexed journal and one presentation in a national conference can be made mandatory for appearing for final PG examination.
- v. To create awareness regarding research methodology, ethical issues, bio safety practices, and other supporting information to pursue their MD/MS.

Composition

S. No.	Name and Designation	Designation
1.	Dr. S.C. Parija, Dean (Research), JIPMER	Chairperson
2.	Dr. D.M. Thappa, Professor, Dermatology and STD, JIPMER	Member Secretary
3.	Dr. Soundara Raghvan, Prof. and Head, Department Obst and Gyn., JIPMER	Member
4.	Dr. Abdoul Hamide, Professor of Medicine, JIPMER	Member

(Continued)

S. No.	Name and Designation	Designation
5.	Dr. B. Geetanjali, Head, Med. Education and Prof. Pharmacology, JIPMER	Member
6.	Dr. G.K. Pal, Professor and Head, Physiology, JIPMER	Member
7.	Dr. D Kadambari, Professor of Surgery, JIPMER	Member
8.	Dr. Ajit Sahai, Professor and Head, Medical Biometrics and Informatics, JIPMER	Member
9.	Dr. Sitanshu Sekhar Kar, Assistant Prof. of Community Medicine, JIPMER	Member
10.	Dr. Shashi Ahuja, Associate Professor of Ophthalmology, JIPMER	Member

Activities

The meetings of Postgraduate Research Monitoring Committee were conducted at the following dates:

S. No.	Date and Meeting	Number of Proposals Reviewed
1.	First meeting of PGMRC-MD/MS proposals December 2, 2013-Anatomy, Biochemistry, and Physiology December 3, 2013-Microbiology, Pathology, Pharmacology, Forensic Medicine, Community Medicine December 4, 2013-General Medicine, Nuclear Medicine, and Pediatrics December 10, 2013-Psychiatry, Pulmonary Medicine, Radiodiagnosis, Radiotherapy, Dermatology, Venereology and Leprosy December 11, 2013-Anesthesiology, General Surgery, and ENT December 12, 2013-Obstetrics and Gynaecology, Ophthalmology, and Orthopaedics	140
2.	Second meeting of PGMRC-MD/MS proposals January 11, 2014-Anesthesiology and ophthalmology	4 resubmitted proposals
3.	Third meeting of PGMRC January 23, 2014-MSc Nursing proposals	30
4.	Fourth meeting of PGMRC March 4, 2014-MSc Nursing proposals	5 resubmitted proposals

Ph.D. Research Monitoring Committee

FACULTY LIST

- | | | |
|-------------------------|---|---------------|
| 1. DEAN AND CHAIRPERSON | : | Parija S.C. |
| 2. MEMBER SECRETARY | : | Jharna Mandal |

INTRODUCTION

JIPMER offers Ph.D. programme in various disciplines. The PhD Research Monitoring Committee is exclusively intended to monitor Ph.D. research projects at JIPMER. Dean, Research is the head of this committee. The committee meets regularly to critically evaluate the candidate's progress. Upon recommendation of the Doctoral committee the candidate is allowed to continue the PhD project. In the event of an unfavorable recommendation, a review is constituted and decision is taken, as per necessity. The members of PhD Research Monitoring Committee evaluate the PhD programme in various departments of the Institute during its meeting and assists the Dean-Research in resolving any issues that may occur in the implementation of the rules and regulations related to the respective programmes at JIPMER.

Functions

The major responsibilities of PhD Research Monitoring Committee are:

- i. To approve the constitution of Doctoral Committees (DC) of each PhD student suggested by the guides.
- ii. To monitor the progress of PhD research carried out by PhD scholars by reviewing their reports of Doctoral Committee.
- iii. To review and approve the panel of internal and external examiners suggested by DC for valuation of Synopsis and Thesis of PhD students.
- iv. To ensure timely conduction of Pre-Ph.D. examination to be convened by respective guides.
- v. To facilitate the completion of research projects by providing suitable ambience in the Institute as well as outside the Institute to carry part of their work if need arises provided this is mentioned and approved in their study protocol by the Doctoral Committee.
- vi. To facilitate presentation of their scholarly work in the proper scientific forum, workshops, conferences, and so on.
- vii. To create awareness regarding research methodology, ethical issues, biosafety practices, funding opportunities and other supporting information to pursue their PhD.
- viii. To promote ethical, scientific and professional standards.
- ix. To facilitate publication of their scholarly work in Professional journals of high impact and to promote their writing acumen.

Composition

The PhD Doctoral Research Monitoring Committees newly formulated and the members of the committee are:

S. No.	Name and Address	Designation
1.	Dr. S.C Parija, Dean(Research), JIPMER	Chairperson
2.	Dr. Vishnu Bhatt, Professor and Head, Department of Pediatrics, JIPMER	Member
3.	Dr. B. Githanjali, Professor and Head, Department of Medical Education, JIPMER	Member
4.	Dr. Vikram Kate, Professor and Head, Department of GI Surgery, JIPMER	Member
5.	Dr. G.K. Pal, Professor and Head, Department of Physiology, JIPMER	Member
6.	Dr. Roopesh Kumar, Additional Prof. and Head, Department of Neurosurgery, JIPMER	Member
7.	Dr. Jharna Mandal, Associate Prof. of Microbiology, JIPMER	Member Secretary

Number of Candidates Pursuing Full Time PhD Programme in the Institute during Last Five Years (2009–2013):66

Physiology—6
 Biochemistry—13
 Microbiology—15
 Pharmacology—20
 Clinical Immunology—7
 Pathology—1
 Paediatrics—4

Part-time PhD Candidates Enrolled during Last 5 Years = 6**PhD Candidates who have Submitted their Synopsis/Thesis: 11****PhD Monitoring Committee Activities**

Committee was formulated in the month of November 2013 and conducted a series of meetings details given below.

November 26, 2013 First PhDRMC meeting
 December 18, 2013 Second PhDRMC meeting
 January 06, 2014 Third PhDRMC meeting
 February 11, 14 Fourth PhDRMC meeting
 April 10, 2014 Fifth PhDRMC meeting
 April 23, 2014 Sixth PhDRMC meeting
 PhD course guidelines are made available on JIPMER website (www.jipmer.edu).

Institutional Bio-Safety Committee

FACULTY LIST

- | | | |
|-----------------------------------|---|-------------|
| 1. DEAN AND CHAIRMAN | : | Parija S.C. |
| 2. PROFESSOR AND MEMBER SECRETARY | : | Pal G.K. |

INTRODUCTION

In India, genetically modified organisms (GMOs) and products thereof are regulated as per the “Rules for the manufacture, use/import/export and storage of hazardous microorganisms/genetically engineered organisms or cells, 1989” (commonly referred as Rules, 1989) notified by the Ministry of Environment and Forests (MoEF), Government of India under the Environment (Protection) Act (1986).

IBSC is the nodal point for interaction within an organization for implementation of the biosafety regulatory framework. An IBSC is to be constituted by every organization engaged in research, handling and production activities related to GMOs and each IBSC has a nominee appointed by DBT. The role of IBSCs is extremely important as it is a Statutory Committee that operates from premises of respective organization.

Institutional Bio-Safety Committee (IBSC) of JIPMER is a registered and accredited committee of Dept. of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India. As per guidelines of DBT, IBSC primarily streamlines and facilitates the research dealing with genetically modified organisms (GMOs), living modified organisms (LMOs) and recombinant-DNA (rDNA) materials.

Functions

IBSC, JIPMER gives clearance and reviews project proposals falling under restricted category and as per guidelines issued by DBT. The decisions taken by the next higher committee that is, Review Committee on Genetic Manipulation (RCGM), which operates from the Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India are based on the applications submitted by the investigators with the approval of IBSC. Apart from framing biosafety programme for the research activity undertaken in the institution, IBSC also conducts onsite evaluation, assessment and monitoring of research facilities, adherence to the biosafety guidelines, procedures and experts involved in research, with overall oversight of the regulatory process, at the institutional level. It also updates principal investigator about IBSC review, approval or rejection of their projects and provides assistance on the issues related to biosafety while using genetic material in research including safety of all the members associated with the research activity. It falls under the ambit of IBSC to assess field experiments and review emergency plan to ensure that the proposed risk assessment, risk management are sufficient. Information of all relevant activities involving the use of GMOs/LMOs and rDNA and non-compliance of guidelines/problems, if any, are reported on a regular basis to the Head of the organization and to Member Secretary, RCGM), which is the next higher committee.

In addition, the Chairperson, Member Secretary, Biosafety Officer and DBT nominee of IBSC have specific functions. Further the Principal Investigator(s) of the project(s) have significant role to play in complying with the regulatory framework.

Composition

(Registration number: BT/BS/17/554/2013-PID; dated October 30, 2013 with the Department of Biotechnology, Govt of India)

S. No.	Name and Address	Designation
1.	Dr. S.C. Parija, Dean (Research), JIPMER	Chairman
2.	Dr. K. Srikumar, Professor and Head, Department of Biochemistry and Molecular Biology, Pondicherry University	DBT nominee
3.	Dr. G.K. Pal, Professor and Head, Department of Physiology, JIPMER	Member secretary
4.	Dr. Alit Das, Scientist E, Vector Control Research Center, Medical complex, Indira Nagar, Pondicherry	External expert
5.	Dr. J. Thanislass, Associate Professor and I/C Molecular Biology Laboratory, Department of Veterinary Biochemistry, Rajiv Gandhi Institute of Veterinary and Animal Sciences, Pondicherry	External expert
6.	Dr. Sarath Chandra Sistla, Professor, Department of Surgery, JIPMER	Biosafety officer
7.	Dr. Bhavana Badhe, Professor and Head, Department of Pathology, JIPMER	Internal expert
8.	Dr. Sujatha Sistla, Professor, Department of Microbiology, JIPMER	Internal expert
9.	Dr. V.S. Negi, Professor and Head of Clinical Immunology, JIPMER	Internal expert
10.	Dr. Bobby Zachariah, Professor, Department of Biochemistry, JIPMER	Internal expert

Activities

The meetings of the Institutional Bio-Safety Committee were conducted at the following dates:

S. No.	Date and Meeting	Number of Proposals Reviewed
1.	January 20, 2014	2
2.	-	-

The revised formats for applying research proposals to the IBSC committee, and consent forms are made available on JIPMER website (www.jipmer.edu). Also the Department of Biotechnology guidelines for biomedical research on human participants (2006) are available at the website.

To ensure smooth functioning of the IBSC has adopted a Standard Operating Procedure (SOP) which is updated in the JIPMER website. IBSC standard operating procedure (SOP) is also available on JIPMER website (www.jipmer.edu).

Institutional Committee for Stem Cell Research

FACULTY LIST

- | | | |
|-----------------------------------|---|----------------|
| 1. DIRECTOR AND CHAIRMAN | : | Ravikumar T.S. |
| 2. DEAN AND VICE—CHAIRMAN | : | Parija S.C. |
| 3. PROFESSOR AND MEMBER SECRETARY | : | Raveendran R. |

INTRODUCTION

JIPMER promotes basic and clinical stem cell research. There has been a lot research going on in these areas around the world. Not to be left behind, JIPMER encourages faculty to do research in this area and a few research studies on stem cells have been initiated. Since stem cell research involves a number of ethical issues, an institutional committee for stem cell research & therapy (IC-SCRT) was set up to scrutinize the scientific and ethical issues, approve the proposals and monitor the progress of ongoing work.

Functions

The major responsibility of IC-SCRT is to protect the rights, safety and well-being of the research participants and patients receiving stem cell treatment.

The committee also makes sure the area of research is permissible as per the guidelines for stem cell research issued by the ICMR.

The IC-SCRT conducts meetings for reviewing the research proposals and gives suggestions to the investigators to make their research sound in both scientific and ethical aspects before approving them. All stem cell research projects whether basic (experimental *in vivo* and *in vitro*) or clinical (human) should get the approval of the IC-SCRT before starting their study.

Composition

As per guidelines for stem cell research by DBT—ICMR, the IC-SCRT was constituted on 21.04.2012 and the members of the constituted ethics committee are:

S. No.	Name and Address	Designation
1.	Dr. T.S. Ravikumar, Director, JIPMER	Chairman
2.	Dr. S.C. Parija, Dean (Research), JIPMER	Vice-Chairman
3.	Dr. Vasantha Muthuswamy, Sr. Deputy Director General, ICMR (Retd), A, 101, Manchester Regent, Avinashi Road, P.N. Palayam, Coimbatore-37	Member
4.	Dr. Rama Shanker Verma, Professor, Stem cell and Molecular Biology Laboratory, Department of Biotechnology, Indian Institute of Technology Madras Chennai-600036	Member

(Continued)

S. No.	Name and Address	Designation
5.	Dr. B. Sudhakar , Associate Professor, Department of Biotechnology School of Life Sciences, Pondicherry University	Member
6.	Dr. Sankar Venkatachalam, Assistant Professor and Head-in-Charge, Dr. A.L.M. Postgraduate Institute of Basic Medical Sciences, Department of Anatomy, University of Madras, Tharamani Campus, Chennai-600113	Member
7.	Dr. Anuradha Dhanasekaran, Assistant Professor, Center for Biotechnology, Anna University, Chennai-600025	Member
8.	Dr. K. Chandrasekaran, ML, Associate Professor Dr. Ambedkar Govt. Law College, Kalapet, Puducherry	Member
9.	Dr. K. Manikandan Associate Professor of Obs and Gyn, JIPMER	Member
10.	Dr. Vir Singh Negi, Professor and Head Division of clinical Immunology, JIPMER	Member
11.	Dr. N.G. Rajesh, Assistant Professor of Pathology, JIPMER, Pondicherry-605006	Member
12.	Dr. Rajendra Kulkarni, Assistant Professor of Transfusion Medicine, JIPMER	Member
13.	Dr. Zachariah Bobby, Assistant Professor of Biochemistry, JIPMER	Member
14.	Dr. R. Raveendran, Professor of Pharmacology, JIPMER	Member secretary

Important Information

- i. Institutional Committee for Stem Cell Research and Therapy (IC-SCRT) meeting will be held yearly once/as and when the proposals are submitted.
- ii. Proposals can be submitted at any working day.
- iii. Circular will also be sent inviting proposals preceding the IC-SCRT meeting.
- iv. Proposal Submission
 - a. Fresh proposal: 12 copies (Proforma can be downloaded from JIPMER website).
 - b. Resubmission: 3 copies.
- v. Annual report submission: Three copies need to be submitted every year, including project completion report. (Proforma can be downloaded from JIPMER website).
- vi. IC-SCRT meeting: This will consider all the proposals
 - a. For extramural research grants.
 - b. For clinical trials using stem cells.
 - c. For pre-clinical studies using stem cells.
- vii. Prior approval: Not required. The proposals involving stem cell research can be submitted directly to IC-SCRT.
- viii. Proposals approved by IC-SCRT should be submitted to IEC and IAEC for approval as required.
- ix. The composition of present ICSCRT committee is available at the JIPMER website.

Activities

Department Wise Research Proposals discussed by Institutional Committee for Stem Cell Research and Therapy (IC-SCRT) during 2012—Department of Pharmacology—2.

Sponsored Clinical Trial Research Committee

FACULTY LIST

- | | | |
|-----------------------------------|---|---------------|
| 1. DEAN AND CHAIRPERSON | : | Parija S.C. |
| 2. PROFESSOR AND MEMBER SECRETARY | : | Srinivasan K. |

INTRODUCTION

Sponsored Clinical Trial Research is a form of clinical research that follows a pre-defined plan or protocol that directly involves a particular person or group of people or that uses materials from humans, such as sample of their tissue or their behavior.

Clinical research is essential for development of safer new drugs. India is emerging as a global hub for clinical research. JIPMER being the premier research Institute, having dedicated and experienced doctors and patients with variety of illnesses, has the responsibility to actively participate in new drug development and new devices. JIPMER is receiving several proposals from pharmaceutical industries, medical companies, contract research organisations for conducting studies with new drugs and new medical devices. The present committee will provide the necessary support for screening, evaluating, accepting and carryout the sponsored clinical trial of drugs and new devices at JIPMER.

JIPMER, being a medical institute, the research work conducted by the faculty, researchers and PG students, here involves patients and healthy human volunteers. Participants by taking part in clinical trials, not only play a more active role in their own health care, but they can also access new treatments and help others by contributing to medical research.

Functions

The Sponsored Clinical Trial Research Committee takes care of all aspects of sponsored clinical trials and clinical research conducted in JIPMER. This is achieved by conducting regular meetings for reviewing the proposals submitted and to provide suggestions to the investigators. All proposals related to sponsored clinical trials must get the approval of the SCTRC.

Composition

The Sponsored clinical trial research committee was constituted on November 07, 2013 and the members of the committee are:

S. No.	Name and Address	Designation
1.	Dr. S.C. Parija, Dean (Research), JIPMER	Chairperson
2.	Dr. K. Srinivasan, Professor and Head, Surgery, JIPMER	Member Secretary
3.	Dr. C. Adithan, Professor and Head, Clinical Pharmacology, JIPMER	Member
4.	Dr. Ajit Sahai, Professor and Head, Biometrics and Medical Informatics, JIPMER	Member
5.	Dr. R.P. Swaminathan, Professor and Head, Medicine, JIPMER	Member
6.	Mr. Krishna Rao, Law Officer	Member

Activities

The meetings of Sponsored Clinical Trail Research Committee were conducted at the following dates:

S. No.	Date and Meeting	Number of Proposals Reviewed
1.	November 21, 2013	4

The detailed guidelines for submission of projects for sponsored clinical research trials and guidelines for compensation to research participants are available in the JIPMER website (www.jipmer.edu).

Hospital Wing

JIPMER Hospital

FACULTY LIST

- | | | |
|--|---|-------------------|
| 1. MEDICAL SUPERINTENDENT | : | J. Balachander |
| 2. ADDITIONAL MEDICAL SUPERINTENDENT
(SUPERANNUATED ON 31.12.2013)
TECHNICAL CONSULTANT
(W.E.F. 01.01.2014) | : | MJE Ambroise |
| 3. ADDITIONAL MEDICAL SUPERINTENDENT | : | Anita Rustagi |
| 4. GENERAL DUTY MEDICAL OFFICER | : | R. Kanagarethinam |

BACKGROUND INFORMATION

The Hospital Office is one of the main services in JIPMER with major activities of the office to provide all the information to the departments/ancillary units and to implement the policy decision taken by the Ministry and the other authorities to issue a circular for compliance as follows:

- i. CPWD and HLL Correspondence (Civil/electrical/A/C) in Hospital.
- ii. O.T. Correspondence.
- iii. Reply to the Public Grievances.
- iv. Matters related with H1N1 Swine Flu, etc.
 - v. Suggested guidelines for sponsoring Nursing Personnel.
 - vi. Constitution of Medical Board (Students/Staff/Patients).
- vii. Dealt with Patient Benefits Schemes (1) Rashtriya Arogya Nidhi (RAN) (2) Poor Patient Chest Fund.
- viii. Conduct of Telephone Allotment Committee Meeting for allocation of Telephone Direct line/ Intercom/Intercom with Zero facility connections.
- ix. Matter concerning out Outreach Health Services/Health Camp/Health Mela.
 - x. Matter concerning to Theft of babies/abandon babies.
 - xi. Matter concerning to Biomedical waste Management Programme.
- xii. Grant of Artificial appliances to staff members at free of cost.
- xiii. Matters concerning to Association/Union matters.
- xiv. Conducting of Infection Control Committee.
- xv. Officiating arrangement to AMS/DMS/Medical Officers and posting of Officer In-Charge of Ancillary Services.

- xvi. Matter concerning to Junior Residents (NPG/PG).
- xvii. Issue of Disability certificate/Medical fitness certificates.
- xviii. Matter concerning fumigation of OTs/ICUs/POWs.
- xix. Action on Fire Safety.
- xx. Action on Wellness Programme.

NAME OF STAFF POST(S) AND NUMBER(S)

M.S. Office

- i. Medical Superintendent—1
- ii. Additional Medical Superintendent—1
- iii. General Duty Medical Officer—1
- iv. Personal Secretary to M.S.—1
- v. Peon—1
- vi. Redeployed peon—2

Hospital Office

- i. Assistant Accounts Officer—1
- ii. Office Superintendent—2
- iii. Upper Division Clerk—3
- iv. Redeployed LDC—2
- v. Trainee—1
- vi. Data Entry Operator—1
- vii. Book Binder Gr.-I—1
- viii. Peon—1

Hospital Cash Section

- i. Assistant Cashier—1
- ii. L.D.C.—1
- iii. Redeployed L.D.C.—1

SERVICE PROVIDED

The Hospital Office is responsible for the general administration of the Hospital and ancillary units. The Medical Superintendent is the overall in-charge of Hospital and Ancillary Units. All the activities related to the public/patients is managed by this office under the guidance of the Medical Superintendent, Additional Medical superintendent. The details of the services carried out by this office are mentioned below:

JIPMER, acronym for Jawaharlal Institute Postgraduate of Medical Education and Research, an Institute of National Importance from the inception has been in the forefront in providing comprehensive health care services to the population of Pondicherry and adjoining north Tamil Nadu districts. The growing attendance of the patients in the OPDs clearly indicates how much the general populace utilize the services of the JIPMER hospital.

Highlighted Figures for the Year 2013–2014

S. No.	Details	Number of Patients
1.	Total number of out patients attendance	18,74,002
2.	Total number of old cases	13,48,972
3.	Total number of new cases	5,25,030

4.	Daily average number of out patients attendance	6,247
5.	Total number of out patients attendance in casualties	2,72,782
6.	Daily average number of out patients attendance in casualties	747
7.	Number of out patients attendance in main casualty	2,19,207
8.	Number of out patients attendance in O&G casualty	23,845
9.	Number of out patients attendance in paediatric casualty	29,730
10.	Total number of admissions	72,908
11.	Total number of discharges	70,348
12.	Daily average number of occupied in patients attendance	1,481
13.	Daily average bed occupancy rate	93%
14.	Total number of deliveries conducted	13,895
15.	Number of live births	13,356
16.	Number of still births	539
17.	Total number of investigations	38,80,868
18.	Number of investigations in bio chemistry	19,01,648
19.	Number of investigations in microbiology	2,04,090
20.	Number of investigations in pathology	3,43,312
21.	Number of investigations in other departments	14,31,818
22.	Total number of operations performed	35,398
23.	Total number of death	2,347
24.	Number of death below 48 h	831
25.	Number of death above 48 h	1,516
26.	Gross death rate	3.22%
27.	Net death rate	2.08%
28.	Number of MLC cases registered (in side)	4,456
29.	Number of MLC cases referred from out side (out side)	6,292
30.	Number of autopsies	852
31.	Number of medical certificates issued	2,172

Block Wise Out Patient Attendance (2013–2014)

Block and Service	New	Old	Total
Main block: Main services	2,05,863	4,85,733	6,91,596
Special clinic	12,808	89,660	1,02,468
Total	2,18,671	5,75,393	7,94,064
S. S. block: Main services	33,615	1,91,229	2,24,844
Special clinic	11,872	82,386	94,258
Total	45,487	2,73,615	3,19,102
JWCH block: OBST., and GYN.,			
Main services	41,275	77,654	1,18,929
Special clinic	2,430	3,007	5,437
Casualty	5,796	18,049	23,845
Total	49,501	98,710	1,48,211
JWCH Block: Paediatrics			
Main services	21,902	47,484	69,386

(Continued)

Block and Service	New	Old	Total
Special clinic	12,822	20,100	32,922
Casualty	12,750	16,980	29,730
Total	47,474	84,564	1,32,038
R. C.C. Block: Med. oncology	1,333	24,046	25,379
Radiotherapy	3,197	48,455	51,652
Total	4,530	72,501	77,031
PMRC. Block:			
Main services	43,179	65,218	1,08,397
Special clinics	38,037	37,915	75,952
Total	81,216	1,03,133	1,84,349
E. M.S. block: Main casualty	78,151	1,41,056	2,19,207
Total number of new cases			5,25,030
Total number of old cases			13,48,972
Total number of new and old cases			18,74,002

Annual Performance for the Year 2013–2014

S. No.	Indicators	Total
1.	Admissions	Male: 32,872
		Female: 40,028
		Ambiguous: 8
		Total: 72,908
2.	Discharges	Male: 31,627
		Female: 38,713
		Ambiguous: 8
		Total: 70,348
Daily average number of occupied in patients: 1,481		
Bed occupancy rate: 93%		
Out patients statistics		
1.	General services	New cases 4,47,061
		Old cases 11,15,904
2.	Special clinics	New cases 77,969
		Old cases 2,33,068
3.	Total number of new cases	5,25,030
	Total number of old cases	13,48,972
4.	Total number of new and old cases	18,74,002
	Daily average number of out patients treated: 6,247	

Daily Out Patients Attendance as Per Service Wise (2013–2014)

S. No.	Services	New cases	Old cases	Total	Average
I.	General medicine	-	-	-	-
	a. General OPD	78,742	98,989	1,77,731	592
	b. Special clinics	-	-	-	-

1. Chest clinic	754	5,014	5,768	113
2. Geriatrics clinic	214	454	668	13
3. Hematology clinic	344	1,650	1,994	42
4. Hypertension	220	812	1,032	21
5. H.I.V/I.E.C.	186	4,911	5,097	50
II. General Surgery				
a. General OPD	41,814	65,301	1,07,115	357
b. Special clinics				
1. Tumour clinic (Male)	170	556	726	14
2. Tumour clinic (Female)	666	2,318	2,984	59
III. OBST and Gynaecology				
a. General OPD				
- Obstetrics	21,541	43,977	65,518	218
- Gynaecology	19,734	33,677	53,411	178
b. Special clinics				
1. Cancer clinic	769	1,683	2,452	51
2. Infertility clinic	194	469	663	14
3. Post natal clinic	1,467	855	2,322	48
IV. Pulmonary Medicine				
a. General OPD	4,066	25,674	29,740	99
b. Special clinics				
1. Respirat. and allergy clinic	1,095	9,255	10,350	207
V. E.N.T.				
a. Genral OPD	24,849	62,554	87,403	291
b. Special clinic				
1. Cancer clinic	507	1,416	1,923	38
VI. Dental				
a. General OPD	6,153	17,087	23,240	77
VII. Ophthalmology				
a. General OPD	16,488	47,501	63,989	213
b. Special clinics				
1. Cornea clinic	129	400	529	11
2. Fundus clinic	515	417	932	09
3. Glaucoma clinic	286	552	838	16
4. Post operative clinic	2,230	1,547	3,777	79
VIII. Orthopaedic Surgery				
a. General OPD	43,179	65,218	1,08,397	361
b. Special clinics				
1. Bone tumour clinic	53	156	209	09
2. Club foot clinic	61	523	584	12
3. Occupational therapy	1,508	8,063	9,571	32
4. Orthotics	3,148	1,668	4,816	16
5. Physical medicine and rehabilitat	16,691	569	17,260	116
6. Physiotherapy	16,295	26,413	42,708	142
7. Polio and cerebral palsy	165	143	308	06
8. Prosthetics	116	380	496	02

(Continued)

S. No.	Services	New cases	Old cases	Total	Average
IX.	Psychiatry				
	a. General OPD	3,922	54,794	58,716	196
	b. Special clinics				
	1. Affective disorder clinic	717	16,939	17,656	346
	2. Crises intervention clinic	602	2,096	2,698	56
	3. De-addiction clinic	847	1,542	2,389	48
	4. Marital and psycho sexual clinic	769	2,659	3,428	67
	5. Neuro psychiatry/memory clinic	519	12,675	13,194	264
	6. Psychosomatic	234	911	1,145	23
	7. Schizophrenia	654	17,037	17,691	354
X.	Paediatrics				
	a. General OPD	21,902	47,484	69,386	231
	b. Special clinics				
	1. FUC—Pd. cardiology	276	1,583	1,859	37
	2. FUC—Pd. child guidance	247	1,222	1,469	29
	3. FUC—Pd. endocrinology	192	720	912	18
	4. FUC—Pd. gastro enterology	256	784	1040	20
	5. FUC—Pd. genetic services	359	1,340	1,699	35
	6. FUC—Pd. nephrology	401	1,886	2,287	46
	7. FUC—Pd. neurology	1,116	9,796	10,912	218
	8. FUC—Pd. tuberculosis	115	409	524	10
	9. FUC—Pd. under five clinic	9,860	2,360	12,220	255
XI.	Skin and STD				
	a. General OPD	24,233	51,887	76,120	254
	b. Special clinics				
	1. FUC—Skin	902	5,026	5,928	116
	2. Leprosy	248	1,473	1,721	34
XII.	Radiotherapy				
	a. General OPD	3,197	48,455	51,652	172
XIII.	Medical Oncology				
	a. General OPD	1,333	24,046	25,379	85
XIV.	Surgical Oncology				
	a. General OPD	371	1,704	2,075	21
XV.	Cardiology				
	a. General OPD	3,279	37,899	41,178	206
	b. Special clinics				
	1. Cardio—diabetic and heart failure	00	831	831	17
	2. Pacemaker clinic	00	2,743	2,743	57
	3. Post Intervention and valve	00	3,605	3,605	71
	Clinical Immunology				
	a. Allergic immunology	451	2,463	2,914	61
	b. Clinical immunology	2,327	24,218	26,545	263
	C.T.V.S.	1,294	13,745	15,039	149
	Diabetes	2,714	39,668	42,382	428
	Endocrinology	2,227	14,338	16,565	164

Gastro Enterology—Medic	1,596	7,833	9,429	96
Gastro Enterology—Surge	1,150	3,443	4,593	45
Nephrology	1,989	13,971	15,960	158
Neurology				
a. Neuro—epilepsy	1,868	16,349	18,217	357
b. Neuro—general	2,315	18,470	20,785	212
c. Neuro—genetic/degenerative	226	780	1,006	50
d. Neuro—stroke	827	7,550	8,377	168
Neuro Surgery	3,243	7,788	11,031	109
Paeditrics Surgery	6,184	13,089	19,273	64
Plastic Surgery	1,385	6,651	8,036	80
Pre Anaesthetic	5,287	1,592	6,879	23
Urology	6,255	28,080	34,335	230
Yoga	499	6,805	7,304	24
Others				
S.S.H.C.	5,596	61,946	67,542	225
Casualty				
1. E.M.S block—main casualty	78,151	1,41,056	2,19,207	601
2. JWCH block—O&G. casualty	5,796	18,049	23,845	65
3. JWCH block—paeds. casualty	12,750	16,980	29,730	81

Geographical Distribution (2013–2014)

2013–2014	Number of Patients Treated as Per State Wise						Total
	Pondy	Tamil Nadu	Andhra Pradesh	Kerala	Karnataka	Other States	
Out patients (new cases)	1,27,262	3,89,114	2,870	1,643	1,533	2,608	5,25,030
In patients	14,064	58,358	173	65	86	162	72,908

Laboratory Investigations for the Year (2013–2014)

1. Bio Chemistry	19,01,648
2. Microbiology	2,04,090
3. Pathology	3,43,312
4. Other Departments	14,31,818
5. Total number of Investigations	38,80,868

Deliveries Conducted for the Year 2013–2014

2013–2014	Live Births			Still Births			Total Number of Deliveries
	Male	Female	Amb.	Male	Female	Amb.	
April-2013	506	450	00	32	27	01	1,016
May	592	563	00	27	24	00	1,206

(Continued)

2013–2014	Live Births			Still Births			Total Number of Deliveries
	Male	Female	Amb.	Male	Female	Amb.	
July	554	540	00	18	24	00	1,136
August	630	543	00	29	17	00	1,219
September	659	577	00	25	27	00	1,288
October	733	650	01	26	08	01	1,419
November	666	630	00	24	18	01	1,339
December	617	532	00	20	20	00	1,189
January-2014	475	429	00	31	17	00	952
February	401	382	00	11	17	00	811
March	604	506	02	27	31	00	1,170
Total	7,040	6,313	03	289	247	03	13,895

Total Number of Deaths for the Year (2013–2014)

1	Deaths	-48 H	831
		+48 H	1,516
		Total	2,347
2	Death rate	G.D.R.:	3.22%
		N.D.R.:	2.08%

Number of Operations Performed for the Year 2013–2014

S. No.	Service	Number of Operations
1.	Obst. I	1,129
2.	Obst. II	1,150
3.	Obst. III	1,219
4.	Obst. IV	1,055
5.	Gyn. I	535
6.	Gyn. II	509
7.	Gyn. III	590
8.	Gyn. IV	416
9.	Sur I	2,365
10.	SurII	2,055
11.	Sur III	2,145
12.	Sur IV	1,895
13.	Neu-Surg.	1,140
14.	G. E. Sug.	295
15.	Sur. On.	199
16.	Urolo	4,402
17.	Pd Surg.	1,592
18.	Ortho	1,759
19.	ENT	2,982

20.	Pl. Surg	2,565
21.	Ophthal.	4,005
22.	CTVS	580
23.	Dental	816
24.	Total	35,398

Bed Strength

JIPMER, Puducherry Departmentwise Hospital Beds Strength Main Block					
S. No.	Department	General	ICU/POW	Total	Remarks
1.	Medicine	125	26	151	-
2.	Surgery	128	16	144	-
3.	OBST. and GYNAE	185	6	191	-
4.	*Paediatrics (Med.)	79	46	125	Shifting MCH Block
5.	Paediatrics (Surg.)	4	-	4	-
6.	Ent	31	8	39	-
7.	Ophthalmology	39	-	39	-
8.	Dental	4	-	4	-
9.	Skin and STD	19	-	19	-
10.	Clinical Pharmacology (26A)	6	-	6	-
11.	Psychiatry	27	-	27	-
12.	Pulmonary Medicine	20	-	20	-
13.	O2 ward	20	-	20	-
14.	ID ward	20	-	20	-
15.	Anaesthesiology (CCU)	-	6	6	-
	Total	707	108	815	-
	Pay wards				
1.	Delux	-	-	4	-
2.	A Class	-	-	21	-
3.	B Class	-	-	22	-
4.	C Class	-	-	44	-
	Total	-	-	91	-

Super Speciality Block

S. No.	Department	General	ICU/POW	Total	Remarks
1.	Cardiology	30	7	37	-
2.	CTVS	29	6	35	-
3.	Urology	29	6	35	-
4.	Plastic surgery	27	6	33	-
5.	Nephrology	21	-	21	-
6.	Neurology	20	6	26	-
7.	Neuro surgery	20	6	26	-

(Continued)

S. No.	Department	General	ICU/POW	Total	Remarks
8.	Paediatric surgery	18	6	24	-
9.	Surgical oncology	16	4	20	-
10.	Nuclear medicine	20	-	20	-
11.	Medical gastro entrology	18	-	18	-
12.	Surgical gastro etrology	18	6	24	-
13.	Endocrinology	18	-	18	-
14.	Clinical immunology	18	-	18	-
	Total	302	53	355	-
	Pay wards	-	-	56	-
	Total	-	-	411	-
	-	-	-	-	-

EMSD Block

S. No.	Department	General	ICU/POW	Total	Remarks
1.	Ground floor	15	-	15	-
2.	1ST floor (male)	36	-	36	-
3.	1ST floor (female)	36	-	36	-
4.	IIND floor	-	6	6	-
5.	Trauma care	62	-	62	-
	Total	149	6	155	-

PMRC Block

S. No.	Department	General	ICU/POW	Total	Remarks
1.	PMRC POW (male)	-	5	5	-
2.	PMRC POW (female)	-	15	15	-
3.	PMRC AMC	55	-	55	-
	Total	55	20	75	-

RCC Block

S. No.	Department	General	ICU/POW	Total	Remarks
1.	Medical oncology (M&F)	12	-	12	-
2.	RCC ICU	-	8	8	-
3.	RT	30	-	30	-
4.	RCC day care bed	13	-	13	-
	-	-	-	-	-
	Total	55	8	63	-
	Pay wards	-	-	18	-
	Total	-	-	81	-

Womens and Childrens Hospital

S. No.	Department	General	ICU/POW	Total	Remarks
	General	309	-	309	-
	ICU and POW	-	58 and 5	63	-
	Pay wards	-	-	-	-
	Private 35	-	-	-	-
	Semi private 24	-	-	59	-
	Total	-	-	431	-

JIPMER, Puducherry Total Hospital Beds Strength

S. No.	Department	General	ICU/POW	Pay wards	Total
1.	Main block	707	108	91	906
2.	SS block	302	53	56	411
3.	EMSD block	87	6	-	93
4.	Trauma care centre	62	-	-	62
5.	PMRC block	55	20	-	75
4.	RCC block	55	8	18	81
5.	W&CH block	309	(58 and 5) 63	(35 and 24) 59	431
	Total	1,577	195	165	2,059

PATIENTS BENEFIT SCHEMES

Rashtriya Arogya Nidhi (RAN)

Ministry of Health and Family Welfare is giving financial assistance to the poor patients for treatment in JIPMER Hospital under the scheme of Rashtriya Arogya Nidhi (RAN). Accordingly, a sum of Rs. 28,79,036/- (Rupees twenty-eight lakh seventy-nine thousand and thirty-six only) has been utilized during the financial year 2013-2014. The beneficiaries were 40 patients from various departments.

Poor Patient Chest Fund

Poor patient chest fund is being operated in our Hospital for giving financial assistance to the poor patients for treatment in JIPMER Hospital. Accordingly, a sum of Rs. 66,651/- (Rupees sixty-six thousand six hundred and fifty-one only) has been utilized under the scheme during the financial years 2013-2014. The beneficiaries were 44 patients from various departments.

ACHIEVEMENTS/SIGNIFICANT EVENTS

New facilities started in JIPMER during the financial year 2013-14

- i. Trauma care service in Emergency Medical Services Department.
- ii. Trauma O.T. in Trauma Care Centre.
- iii. Tertiary Care Burns Unit at Emergency Medical Services Department.
- iv. School of Public Health in Preventive and Social Medicine.

FIRE PLAN AT JIPMER

In order to ensure prevention, minimizing of risks associated with fire with respect to human life, properties, equipments in the JIPMER Hospital, the **JIPMER Hospital Fire Safety Plan Policies and Procedures** have been framed for information, compliance of all Faculties, Residents, Students, Staff members and all others concerned. As per the same, prevention of fire is the job of everyone which has to be carried out in **a blame free culture and environment**. A Fire Safety and Preparedness Committee have also been constituted for this purpose. Further, the old Fire Extinguishers have been replaced by new fire extinguishers ABC type (portable). A Fire Orientation Programme for JIPMER Hospital Staff, Students, Residents and Administrative Staff etc. was conducted and Re-orientation Programme and mock drill had been conducted to each Block of the Hospital/Institute. The Standard Operating Procedure and Guidelines (SOP) had been prepared to each Block for evacuation of patients in case of fire occurring in the Wards/Units/Sections. Intercom No.6999 has been dedicated to intimate immediately and the hospital authorities alerted and the local Fire Station Department (Tel No.0413-2272913) should alerted by the Fire Safety Officer.

Fire Safety Officer and Deputy Fire Safety Officer have been appointed in JIPMER Hospital to take necessary steps as per Fire Safety Policy, Plans and procedures to prevent and minimize risks associated with fire. Further, the Nodal Officers also have been appointed in various Departments / Sections / Units and these officers have been trained by the Fire Service Department to take necessary steps to make Hospitals free from fire hazards and to assess preparedness of the Hospital to handle any such emergencies. During this period 12 Fire Orientation Programme and 8 Mock Drill have been conducted for the staff of JIPMER.

UPDATING COSTLY EQUIPMENTS MORE THAN ONE LAKH

As per the directions Hon'ble CIC, the following action has been taken by this Institute:

- i. A Nodal Officer has been appointed who is responsible for updating the data in the website of this Institute.
- ii. The details of the data relating equipments of patient care costing above Rs. 1,00,000 lakh purchased on or after April 1, 2007 of this Institute have been identified department wise and the same has been filled in format and displayed on the website www.jipmer.edu.in/www.jipmer.edu (Home page: List of costly equipments) of this Institute.
- iii. The four numbers of sign boards in English, Hindi and Tamil (local language) have been kept in the premises mentioning that details of procurement and maintenance of equipment is available on the JIPMER website. It is updated by 10th of every month.

WELLNESS PROGRAMME AT JIPMER

To create a "STRONG JIPMER", the Employees Health Promotion Programme has been launched on September 5, 2012 as "Employee Wellness Checks". In this Programme, the staff is requested to attend Staff Clinic for thorough prevention check up on their birthdays. For those with birthdays falling on weekends, the wellness check will be on either Friday or Monday. Once the construction of Wellness Centre is completed, these checks will be done in that location, along with health promotion activities (sports, swimming, yoga etc.). Evaluation from wellness check will stratify individual employee's risk, such that a group screening/surveillance Programme will follow eg. Cancer, Diabetes, Cardiac, Obesity etc. Information of these group screening and campus wide activities such as walkathon, marathon etc.

Moreover, "Police Wellness Programme" for the police personnel was completed. They were issued a Smart Card with unique number, through which they can long in and see their complete health history from anywhere. High risk group was indentified and were asked to follow up. Newly, diagnoized were put on regular treatment.

Also the Wellness Programme for Cost Guard was completed and they were also issued Smart Cards.

MEDICAL SUPERINTENDENT

JIPMER Urban Health Centre (Vazhaikullam)

FACULTY LIST

- | | | |
|---|---|--------------------|
| 1. PROFESSOR AND OFFICER IN-CHARGE | : | Gautam Roy |
| 2. ASSISTANT PROFESSOR | : | Swaroop Kumar Sahu |
| 3. ASSISTANT MEDICAL SUPERINTENDENT IN-CHARGE | : | Jagadeeswaran K. |

PATIENT CARE SERVICES

OPD Services

S. No.	Services Provided	Urban Health Centre (UHC)
1.	Number of villages/wards	4
2.	Population	9,667
3.	OPD attendance	25,942
	Average for month	2,162
4.	Emergencies	0
	Average for month	
5.	Chronic illness clinic conducted	48
	Patients attending clinic every month	651
6.	TB report	
	DOTS—Category 1	16
	DOTS—Category 2	10
	NON—DOTS	0
	MDR TB	1
7.	Antenatal clinics conducted	48
	New ANC registered	102
8.	Under-five clinics conducted	51
	New under-five children registered	115
9.	Immunization	
	A. Antenatal	
	TT 1 dose	69
	TT 2 dose	60
	Booster	21
	B. Children	
	DPT 1 dose	0

(Continued)

S. No.	Services Provided	Urban Health Centre (UHC)
	DPT 2 dose	1
	DPT 3 dose	6
	DPT Booster	90
	OPV 1 dose	101
	OPV 2 dose	112
	OPV 3 dose	118
	OPV Booster	90
	Hepatitis B 1 dose	0
	Hepatitis B 2 dose	0
	Hepatitis B 3 dose	0
	Pentavalent 1 dose	101
	Pentavalent 2 dose	112
	Pentavalent 3 dose	118
	Measles	
	MMR	96
C. School Children		90
	DPT at 5 years	
	TT at 10 years	8
	TT at 16 years	9
		52

Laboratory Services

Haematology		
1.	Hb	859
2.	TC	40
3.	DC	40
4.	ESR	12
5.	BT CT	02
6.	PS for anemia	-
7.	PS for MP	36
8.	PS for MF	03
9.	Blood grouping	126
Biochemistry		
1.	Blood sugar	710
2.	Creatinine	668
3.	Total cholesterol	660
4.	Triglycerides	660
5.	HDL	660
6.	LFT	16
7.	Total protein	16

8.	Albumin	16
9.	Blood urea	668
Serology		
1.	VDRL	112
2.	HBsAg	112
Urine Investigations		
1.	Albumin	238
2.	Sugar	180
3.	M/E	17
4.	Bile pigment	-
5.	Pregnancy test	67
Sputum Investigations		
1.	Sputum for AFB	-
Grand Total		5,918

Significant Events

- i. One day training for life style modification for paramedical staff by I.E.C deputy director, Puducherry state health mission on May 20, 2013. Attended by staff nurses and public health nurses.
- ii. Orientation and training programme on intensification of strategies for childhood diarrhea prevention and control by DDFW and MCH on June 13, 2013 attended by staff nurses and public health nurses.
- iii. Fire safety training by Dr. Swaroop Sahoo, Asst. Prof. of PSM to all JIUHC staff on September 06, 2013 fore noon.
- iv. Injection safety training was imparted to staff on September 06, 2013 by faculty and residents from department of PSM.
- v. RNTCP reorientation in training for DOTS plus on September 27, 2013 attended by Ms. Mary Joice, PHN Mr. Stalin Sundaraj MSW and Ms. Kalpana S/N.
- vi. World No Tobacco Day was observed on June 08, 2013.
- vii. Breast Feeding Day was observed on June 06, 2013.
- viii. Dengue Awareness Rally and meeting conducted with NKC Hr. Sec. School Teachers and Students on August 07, 2013.
- ix. Health Awareness Camp conducted for adolescent Students in NKS School on October 10, 2013.
- x. New Born Care week—2013 was observed on November 21, 2013 and Well Baby Show was conducted.
- xi. IPPI 1st Round held on January 19, 2014 and 2nd Round on February 23, 2014.
- xii. World Tuberculosis Day was observed on March 27, 2014.
- xiii. School health check-up conducted at St. Joseph Cluny Primary School (Number of Students 1,000) and Donbosco Hr. Sec. School (Number of Students 1,200).

JIPMER Rural Health Centre (Ramanathapuram)

FACULTY LIST

- | | | |
|------------------------------------|---|-----------------|
| 1. PROFESSOR AND OFFICER IN-CHARGE | : | Gautam Roy |
| 2. ASSISTANT PROFESSOR | : | Ganesh Kumar S. |
| 3. MEDICAL OFFICER IN-CHARGE | : | Prarthana M. |

Patient Care Details

OPD Services

S. No.	Services Provided	Rural Health Centre (RHC)
1.	Number of villages/wards	4
2.	Population	9,179
3.	OPD attendance	21,744
	Average for month	1,812
4.	Emergencies	4,705
	Average for month	392
5.	Chronic illness clinic conducted	48
	Patients attending clinic every month	260
6.	TB report	
	DOTS—Category 1	10
	DOTS—Category 2	02
	NON—DOTS	01
	MDR TB	01
7.	Antenatal clinics conducted	51
	New ANC registered	149
8.	Under-five clinics conducted	50
	New under-five children registered	125
9.	Immunization	
	A. Antenatal	
	TT 1 dose	100
	TT 2 dose	87
	Booster	24
	B. Children	
	DPT 1 dose	01
	DPT 2 dose	01
	DPT 3 dose	01
	DPT Booster	77
		01

OPV 1 dose	01
OPV 2 dose	01
OPV 3 dose	77
OPV Booster	
	01
Hepatitis B 1 dose	01
Hepatitis B 2 dose	01
Hepatitis B 3 dose	
	98
Pentavalent 1 dose	103
Pentavalent 2 dose	102
Pentavalent 3 dose	
	121
Measles	147
MMR	
C. School Children	143
DPT at 5 years	158
TT at 10 years	159
TT at 16 years	

Laboratory Services

RHC		
Haematology		
1.	Hb	884
2.	TC	34
3.	DC	33
4.	ESR	11
5.	BT CT	0
6.	PS for anemia	02
7.	PS for MP	70
8.	PS for MF	0
9.	Blood grouping	344
Biochemistry		
1.	Blood sugar	3,145
2.	Creatinine	210
3.	Total cholesterol	577
4.	Triglycerides	577
5.	HDL	577
6.	LFT	74
7.	Total protein	05
8.	Albumin	05
9.	Blood urea	210

(Continued)

RHC		
Serology		
1.	VDRL	0
2.	HBsAg	0
Urine Investigations		
1.	Albumin	514
2.	Sugar	82
3.	M/E	74
4.	Bile pigment	0
5.	Pregnancy test	102
Sputum Investigations		
1.	Sputum for AFB	179
Grand Total	7,709	

Significant Events

- i. Malaria month was observed in June 2013.
- ii. Well baby show conducted for 0–6 months and 6 months to 1 year children.
- iii. IPPI conducted in two phases in January and February 2014.
- iv. HRA Immunization week conducted from February to April 2014.
- v. Observance of special Immunization week from February 2014 to March 2014 (four rounds).
- vi. World TB day was observed on March 29, 2014 and World health day on April 07, 13.
 - v. A cultural program was organized for creating awareness on preconception, PNDT and save girl children.
- vi. Programme on “No Girl No World”, adolescent health conducted by NRHM on March 20 and 21, 2013.

Outreach Health Centre (Karaikal)

FACULTY LIST

- | | | |
|--|---|----------------|
| 1. MEDICAL SUPERINTENDENT | : | J. Balachander |
| 2. ADDITIONAL MEDICAL SUPERINTENDENT AND OFFICER IN-CHARGE | : | Anita Rustagi |

A medical team comprising of consultant, resident doctors and paramedical staff, and so on, from the following departments have conducted the Outreach Health Services at Outreach Health Centre, Karaikal. Number of visit and total number of patients attended during the years 2013–2014 is mentioned against the departments.

Annual Out Patient Attendance for the Year April 2013–March 2014

S. No.	Service	A*	B*
1.	Cardiology	4	266
2.	C.T.V.S	4	12
3.	Clinical immunology	3	63
4.	Diabetic	3	117
5.	Endocrinology	3	39
6.	Gastroenterology medical	3	49
7.	Gastroenterology surgical	3	72
8.	Nephrology	3	28
9.	Neurology	4	452
10.	Neuro surgery	4	41
11.	Ophthalmology	4	569
12.	Oncology—medical	3	10
13.	Oncology—surgical	3	04
14.	Ortho surgery	3	175
15.	Plastic surgery	3	10
16.	Radiotherapy	3	58
17.	Urology	4	123
	Total	57	2,088
A*	Total number of days conducted	57	
B*	Total number of patients attended	2,088	

In general the Outreach Health Services is helpful to the community in Karaikal. Patients with specific kind of problems/complaints are treated and supplied with all the essential drugs. Patients are

Outreach Health Centre (Karaikal)

enthusiastic to know the various aspects of their complaints. Sugar estimations for the needy patients are being done with the glucometers. Patients who required for further investigations such as X-rays, CT scan and other blood investigations are requested to come to JIPMER for further work up and treatment. Karaikal Outreach Health Services at Karikal shifted from private premises to the Government Hospital, Karaikal with effect from March 16, 2013. The telemedicine conferencing with Government Hospital, Karaikal will be started shortly.

MEDICAL SUPERINTENDENT

JIPMER Quality Council (JQC)

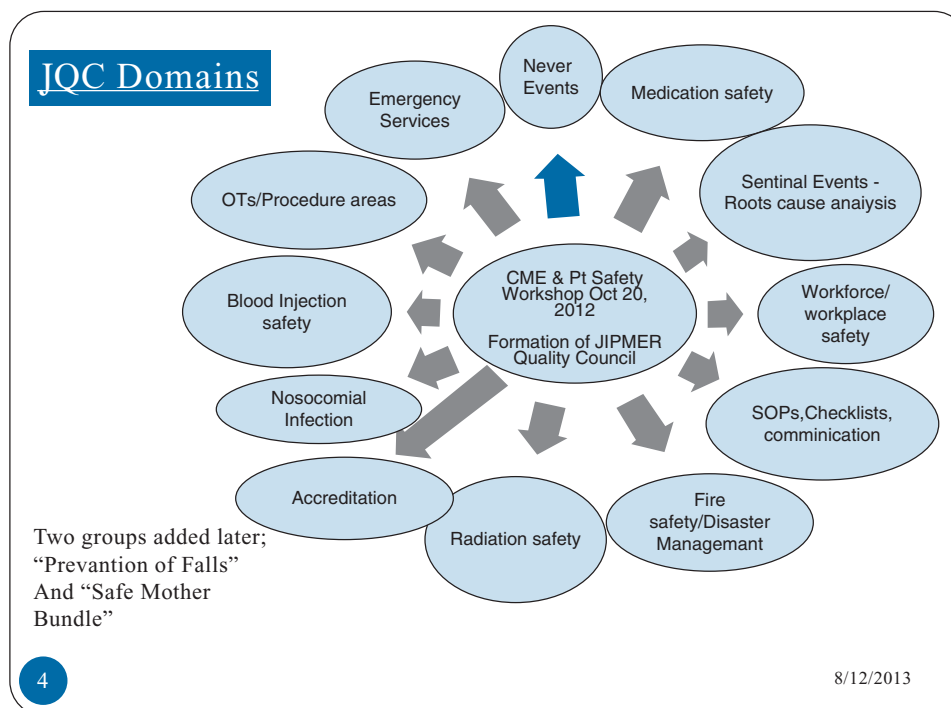
FACULTY LIST

1. DIRECTOR, JIPMER AND
FOUNDER PRESIDENT/CHAIRMAN : Ravikumar T. S.
 2. MEMBER SECRETARY AND
GROUP CO-ORDINATOR : Muruganandham K.
- (Vision: Right care to right patient at right place by right team at right time every time)

BACKGROUND INFORMATION

JIPMER Quality Council: A Patient Safety Initiative

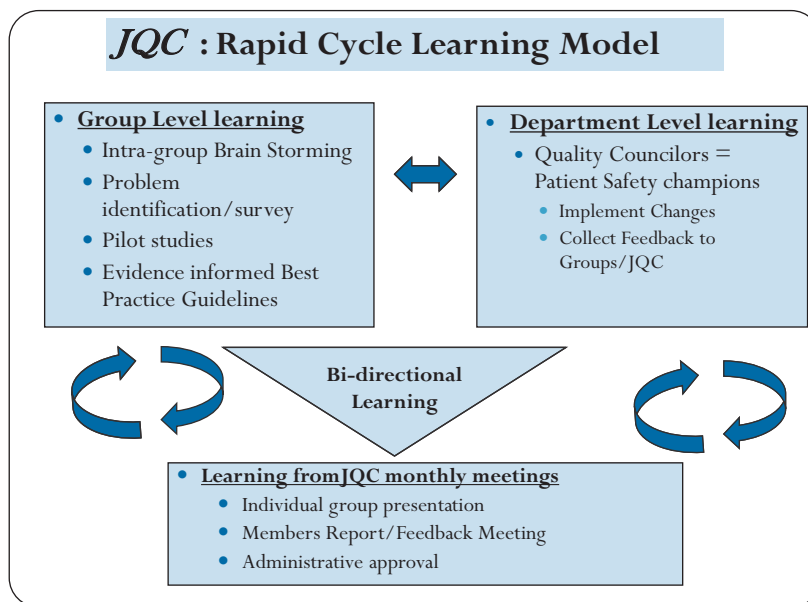
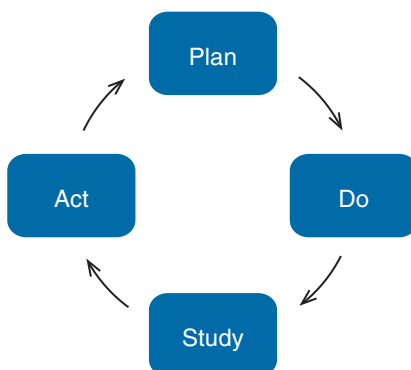
In August 2012, under the initiation and leadership of our Director Dr. Ravikumar T.S. all the departments and divisions of JIPMER were asked to nominate one member each for creating an innovative multidisciplinary team which will work towards improving patient safety and quality of health care at JIPMER. Close to seventy members were nominated by departments and divisions of the hospital. As an initial step, these members were trained by an in-house CME and workshop with internal and external faculties as resource persons on October 20, 2012. After the initial orientation and training through CME cum workshop, JIPMER quality council (JQC) was created by our director on the same day.



Functions of JIPMER Quality Council

Members of JQC are called as JIPMER quality councilors. These quality councilors will act as patient safety champions and will act as the nodal persons to educate other health care workers in their own departments and divisions about the science of patient safety. They will have regular intra-group and inter-group discussions/meetings to find out JIPMER specific solutions to issues related to patient safety. They will also implement deliverables each month and bring the feedback to the monthly JQC meeting which will be conducted every month. This is a modified version of Plan Do Study Act (PDSA) cycle used in quality improvement. Bidirectional rapid cycle learning model (i.e., “train the trainer to train the end user” and getting the feedbacks at every level) will be used to educate each and every health care worker of JIPMER.

PDSA cycle for Quality improvement



ACHIEVEMENTS/SIGNIFICANT EVENTS DURING THE YEAR

A Centre of Excellence (CoE) on Safe Injection Practices and Inauguration of Model Injection Room at JIPMER

A Centre of Excellence (CoE) on safe injection practices was inaugurated by Dr. Ravikumar T.S. Director, JIPMER in the OPD complex of old block on September 4, 2013. This centre has been established with technical collaboration with Becton, Dickinson and Co. (BD India). Present on the occasion were Medical Supdt. Dr. Balachander, many other senior faculty members; Dr. Raman D.K. Director, Health Services

and Dr. Gurumurthy D. Mission Director, NRHM from Puducherry Health Services and Mr. Sourirajan V. Director, New Business Development, BD India with his team. The CoE shall have two components. The existing Injection room in the OPD complex has been remodeled in a patient friendly environment and shall be using best practices for ensuring Safer Injections to all patients. This Injection room would also demonstrate practical aspects of injection techniques to trainee doctors and nurses. A CME on Safe injection practice was held to provide training to doctors, nurses and technicians who in future would orient the entire 1,000 plus in service doctors and nurses as well as trainee students on Safe Injection Practices.

Patient Safety Week

Patient safety week was celebrated from November 18 to 24, 2013. The objective of this week is to create awareness and educate health care workers (mainly of JIPMER and also from outside) about the science of patient safety and quality in health care. JIPMER director Dr. Ravikumar T.S. was the organizing chairman and Dr. Muruganandham K., associate professor urology and Coordinator of JQC served as organizing secretary. The organizing team consisted of; Dr. Gopalakrishnan, Dr. Sarasu J., Dr. Chanaveerappa B., Mr. Dhinakaran S., Dr. Anil Verma, Mr. Ramkumar, Mr. Seshathri, Mr. Flory Isaikumaran.

The following events were conducted.

Small group training sessions on patient safety (18.11.2013)

Close to 100 health care workers of JIPMER (nurses, residents, interns, students, technical staff) were trained in five groups each consisting of 20 persons at NTTC Hall one of JIPMER Academic Centre. Dr. Gopalakrishnan served as event coordinator. The participants were trained, with one to one interaction and discussion, in operation room safety, nosocomial infection prevention, fall prevention, patient/baby identification protocols, needle stick injuries to health care workers. The JQC resource persons were Dr. Murali Poduval, Dr. Sai Chandran, Dr. Chanaveerappa, Dr. Narayanan P. and Dr. Sreejith Parameshwaran. IB/GB members of JIPMER visited the training program and had interaction with resource persons and participants.

Speech competition (19.11.2013)

Dr. Gopalakrishnan served as event coordinator for the speech competition which was held at Mini-auditorium JIPMER Academic centre. Close to 25 persons (medical and paramedical students, nurses and residents) participated in this program. Dr. Dorairajan L.N., Dr. Nadhakishore and Dr. Narayanan P. served as judges. Each participant spoke for 5 min each about one of the following topics:

- Is technology is the future of patient safety?
- Does litigation drive patient safety initiatives or will change come from within?
- Patient safety in medical and allied sciences curriculum; are we doing enough?

Nurses orientation program (20.11.2013)

Over 300 newly joined nurse of JIPMER were trained at nurses orientation program which was held at SSB auditorium. Mr. Dhinakaran, male nurse served as event coordinator of this program helped by Mrs. Vinitha, staff nurse. Mrs. Vasantha P, Nursing Supdt, JIPMER gave the welcome address. There were six interactive lectures and one session on case based learning. The speakers and topics were Dr. Muruganandham K. on “Introduction to patient safety and JIPMER Quality Council Update”, Dr. Sreejith Parameshwaran on “workplace and workforce safety”, Dr. Murali Poduval on “Patient safety in invasive procedures”, Dr. Gitanjali on “Medication/Blood/injection safety”, Dr. Narayanan Parameshwaran on “Strategies to prevent Never events”, Mr. Dhinakaran on “Nursing care to prevent nosocomial infection” and Mrs. Angeline Sheela on “Patient safety in EMSD”. The case based leaning session was moderated by Mrs. Vanitha, staff nurse and the panel members were Dr. Muruganandham K., Dr. Murali Poduval, Dr. Narayanan P. and Dr. Sreejith Parameshwaran.

Rangoli/drawing competition (21.11.2013)

Rangoli and drawing competition was held at auditorium on November 21, 2013. More than 100 participants (health care workers and students from JIPMER divided into more than 20 teams) participated in the competition. The theme of “Patient Safety and Quality in Health care” was portrayed very nicely by participants. Three prizes each for Rangoli and drawing competition winners were chosen. All the participants were given participation certificate. The winners were awarded prizes and certificates during CME on patient safety on November 23, 2013.

Public education and awareness on patient safety (22.11.2013)

JQC along with the active participation from Medical Social Wing of JIPMER conducted this session. Patients and attenders were educated about their role in improving safety during care at hospital. The session was conducted simultaneously at Registration area of Main Hospital Block, SSB and Patient’s shelter near WCH and RCC. Dr. Ravikumar T.S. Director, JIPMER educated the gathered patients and relatives about the role of patients and attenders on improving patient safety. Role play was performed and Pamphlets (both English and Tamil) containing education materials were distributed and explained by staff from Medical Social wing of JIPMER.

CME and workshop on patient Safety (November 23 and 24)

CME and Workshop on Patient Safety was conducted for JIPMER healthcare workers on November 23 and 24, 2013 at main Auditorium, JIPMER. Dr. Ravikumar T.S. Director, JIPMER and Dr. Muruganandham K. Associate Professor of Urology served as organizing chairman and secretary respectively. CME was conducted from 9.00 AM to 2.30 PM. More than 400 participants from JIPMER and also from other medical colleges of Puducherry attended the program. Inaugural address and lead talk was given by Dr. Ravikumar T.S. on “Principles of Patient Safety and JIPMER Quality Council (JQC) Update”. There were three guest lectures by Dr. Ramamurthi J.V. Chief consultant, PMSSY, New Delhi on “ISO in Healthcare”, by Mrs. Lallu Joseph, Quality Manager, CMC Vellore on “Role of safety group in a hospital ” and by Dr. Chandrasekar, COO, Yashodha Hospital, Hyderabad on “Disaster management and workplace safety issues“. Dr. Muruganandham K. Associate Professor and Co-ordinator of JQC delivered a talk on “Human factors engineering towards patient safety”. There was a panel discussion on “Prevention of Medical Errors” moderated by Dr. Muruganandham K. The panelists were Dr. Ravikumar T.S., Dr. Ramamurthy J.V., Mrs. Lallu Jeseeph and Dr. Chandrasekar.

The winners of various competitions (Speech, Rangoli/Drawing and three winners in each category) received certificate and prize from Dr. Ravikumar T.S. and guest speakers. The first edition of “JIPMER Manual on Patient safety”, which was developed by JIPMER Quality Council, was released by Dr. Ravikumar T.S., Director JIPMER on that day.

Workshop on Patient safety was conducted on 23rd (afternoon) and 24th November, 2013 at Auditorium JIPMER to orient and train close to 100 health care workers nominated/volunteered from various departments of JIPMER. The participants were trained on the following domains operation room safety, medication, blood and injection safety, nosocomial infection control, workplace (including fire and radiation) and workforce safety, reportable events and root cause analysis, human factors in patient safety, patient safety in emergence department. The format used for workshop was “Case based group task and moderated discussion”.

Expansion of JQC

JQC was further expanded on November 24, 2013 with addition of close to 100 healthcare workers of JIPMER (Faculty, staff nurse, technical and supportive staff) who were trained by intensive two day program on “Patient safety”. The new members will be called as quality councilors and earlier group as quality champions.

Departments

Anesthesiology and Critical Care

FACULTY LIST

- | | | |
|-------------------------|---|--|
| 1. PROFESSOR & HEAD | : | Pankaj Kundra |
| 2. SENIOR PROFESSOR | : | Ashok Badhe |
| 3. PROFESSOR | : | Hemavathy Balachander |
| 4. ADDITIONAL PROFESSOR | : | Vasudevan Arumugam |
| 5. ASSOCIATE PROFESSORS | : | i. Suman Lata Gupta
ii. Sandeep Kumar Mishra
iii. Adinarayanan. S
iv. Satyen Parida
v. Lenin Babu E.
vi. Satyaprakash MVS
vii. Prasanna Bidkar Udipi |
| 6. ASSISTANT PROFESSORS | : | i. Anusha Cherian
ii. Sakthi Rajan P.
iii. Stalin Vinayagam.
iv. R. Praveen Talawar
v. Mohan. VK
vi. Chitra Rajeswari
vii. Priya Rudingwa
viii. Amy Grace Rapsang
ix. Srinivasan Swaminathan |

BACKGROUND INFORMATION OF THE DEPARTMENT

Patient Care

- We provide anaesthesia on elective basis in 23 operation theatres and five emergency operation theatres which functions 24 h a day
- We also provide anaesthesia for procedures outside the OT such as CT scan, MRI, Cathlab, ECT, and Radiotherapy

Anesthesiology and Critical Care

- c. Pain services for relief of acute and chronic pain along with labour analgesia is also provided
- d. Six bedded critical care unit is also managed by the department

Education

The department admitted 10 PG students for the MD course and one fellow each for the postdoctoral courses in critical care and neuro and cardiac anesthesia. In addition, it also takes care of the UG training as well as training paramedics, emergency technicians, OT technicians and nurses. PGs from various departments are also trained especially in resuscitation and airway management by the department. From this year on, we have also started Simulation based medical education in the form of classes and workshops

Research

- a. PG dissertation
- b. Faculty projects

EDUCATIONAL COURSES

- i. Undergraduate teaching
- ii. Postgraduate teaching—10 students were inducted in the last academic year
- iii. One year post-doctoral fellowship in
 - a. Cardiac and neuro anaesthesia
 - b. Critical care
- iv. OT technician course (BSc) and Emergency medical technician course

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

Conferences

- a. International: RA ASIA 2014 held at JIPMER on January 18 and 19, 2014
- b. Zonal: PONSZAC 2013 at JIPMER on August 23–25, 2013

CMES

- a. Obstetric critical care series jointly organized with department of obstetrics and gynaecology on January 25, 2014 at JIPMER
- b. Anaesthesia Machine and airway workshop as a part of PONSZAC 2013

CONFERENCES AND CMES ATTENDED BY THE FACULTY

Dr. Ashok Badhe

- a. September 21–24, 2013 for CME at Prabhani
- b. January 18, 2014—RA-ASIA 2014 at JIPMER
- c. 29th Annual south zone ISA conference PONSZAC 2013 at Puducherry August 23, 2013
- d. Workshop on “Lifesaving Equipment Management and Safety 2014” at SSB Auditorium, JIPMER on February 24, 2014

Dr. Pankaj Kundra

- i. CME programme for nurses. Infection Control in Intensive Care. JIPMER on April 13, 2013
 - a. CME Guest Lecture: *Disinfection and Sterilization*
- ii. National VIMA update 2013 (Abbott India), at Cochin April 20, 2013
 - a. CME Guest Lecture: *Target control infusion*

- iii. First AISA Anesthesia Symposium: The Art of Patient Centric Anesthesia at Bangkok (Thailand) on May 4, 2013
 - a. CME Guest Lecture: *Titration of Sevoflurane Anaesthesia*
 - b. CME Guest Lecture: *Introduction to GASMAN® simulation module*
- iv. Invited Professor at Cliniques Universitaires Saint-Luc at Brussels (Belgium) on May 14, 2013
 - a. Guest Lecture: *Depth of Anaesthesia and titration of volatile anaesthetics*
- v. Invited Professor at Cliniques Universitaires Saint-Luc at Brussels (Belgium) on May 15, 2013
 - a. Guest Lecture: *Alpha 2 Adrenergic Agonists*
- vi. National VIMA update 2013 (Abbott India), at Hyderabad May 25, 2013
 - a. CME Guest Lecture: *Target control infusion*
- vii. National VIMA update 2013 (Abbott India), at Kolkatta June 8, 2013
 - a. CME Guest Lecture: *Target control infusion*
- viii. National VIMA update 2013 (Abbott India), at Bangalore June 11, 2013
 - a. CME Guest Lecture: *Target control infusion*
- ix. National VIMA update 2013 (Abbott India), at Chennai June 12, 2013
 - a. CME Guest Lecture: *Target control infusion*
- x. National VIMA update 2013 (Abbott India) at Jaipur July 27, 2013
 - a. CME Guest Lecture: *Depth of Anaesthesia: Current Concepts*
- xi. PG Excel, Bangalore Medical College, Bangalore August 10, 2013
 - a. CME Guest Lecture: *Assessment of IHD for Non Cardiac Surgery*
- xii. Inhalational Anaesthesia CME, JNMC Belgaum August 11, 2013
 - a. CME Guest Lecture: *Evolution of Vaporizers*
 - b. CME Guest Lecture: *Current Concepts: Depth of Anaesthesia*
- xiii. PONSZAC 2013, South Zone Annual Conference of Indian Society of Anaesthesiologists, JIPMER, August 23–25, 2013.
 - a. Organizing Chairman: *Airway Workshop*
 - b. Guest Lecture: *Target Control Infusion*
- xiv. National VIMA update 2013 (Abbott India), at Trivandrum August 31, 2013
 - a. CME Guest Lecture: *Depth of Anaesthesia: Current Concepts*
- xv. KISACON 2013, Annual Indian Society of Anaesthesiologists, Karnataka State Chapter, Sri Raja Rajeswari Medical College, Bangalore September 13–14, 2013
 - a. CME Guest Lecture: *Perioperative management of ARDS*
 - b. Judge: *Scientific Papers and Posters*
- xvi. BAPU 2013, 7th Annual CME, Tirupathi September 15–16, 2013
 - a. CME Guest Lecture: *Lung Mechanics*
 - b. Judge: *Scientific Papers and Posters*
- xvii. World Anaesthesia Day, Mahatma Gandhi Medical College & Research Institute, Pondicherry October 16, 2013
 - a. Guest Lecture: *Chronic Postsurgical Pain: A new pandemic*
- xviii. Difficult Airway Workshop, Tata Memorial Hospital, Mumbai October 25, 2013
 - a. Guest Lecture: *Cannot ventilate, Cannot oxygenate: The rescue act*
 - b. Workshop Resource Faculty: *Cricothyroidotomy*
- xix. World Anaesthesia Day, Mumbai October 26–27, 2013
 - a. Guest Lecture: *When should I electively ventilate my patient?*
- xx. ISACON Kerala 2013, Annual Kerala State Conference of Indian Society of Anaesthesiologists, Perinthalmanna October 26–27, 2013
 - a. **Oration (Francis Memorial):** *How does acute postoperative pain become chronic postoperative pain? Does anaesthetic technique make a difference?*
- xxi. National Airway Conference, North Bengal Medical College, Siliguri November 8–10, 2013.
 - a. Moderator: *Difficult Airway Scenarios (Case Discussion)*
 - b. Annual NITTE Oration: *Ultrasound of the Airway*

Anesthesiology and Critical Care

- xxii. 45th Annual Convention of the Philippines Society of Anaesthesiologists, Manila November 21–23, 2013
 - a. Guest Lecture: *Titration of Sevoflurane Anaesthesia in relation to Gasman Simulation*
 - b. Guest Lecture: *Target Controlled Infusion: An overview and anaesthetic depth considerations*
- xxiii. International Symposium of Endocrine Anaesthesia, AIIMS November 30–December 1, 2013
 - a. Guest CME Lecture: *Large Goiters: Perioperative Airway Problems*
- xxiv. RA-ASIA 2014. Conference of Regional Anaesthesia Asia special interest group. January 18–19, 2014
 - b. Guest CME Lecture: *Chronic Postsurgical Pain: A new pandemic*
- xxv. 30th Annual Scientific Sessions of the College of Anaesthesiologists of Sri Lanka, Colombo January 27 and February 4, 2014
 - a. Guest Lecture: *Inhalational Anaesthesia: In or Out*
- xxvi. Rama chandra Anaesthesia Continuing Education (RACE 2014), Chennai, February 7–9, 2014
 - a. CME Guest Lecture: *Airway Ultrasound*
 - b. Workshop Coordinator and Resource Person: *Sonoanatomy*
- xxvii. SANCON 2014 (SSSIHMS Anaesthesia Conference 2014), Sri Sathya Sai Institute of Higher Medical Sciences, Bangalore on March 29–30, 2014
 - a. CME Guest Lecture: *Anaesthesia Delivery Systems*
 - b. Chairperson: *How to manage a difficult case?*

Organization of Workshop, CME, and Conferences

- i. Annual South Zone Conference of Indian Society of Anaesthesiologists (PONSZAC 2013) August 23–25, 2013, JIPMER Pondicherry. *Organizing Chairman, Difficult Airway Workshop*
- ii. RA-ASIA 2014. Conference of Regional Anaesthesia Asia January 18–19, 2014. JIPMER, Pondicherry. *Organizing Chairman*
- iii. Obstetric Critical Care Workshop January 23, 2014. JIPMER, Pondicherry. *Organizing Chairman*
- iv. MedEqSafe—India 2014. Workshop on Lifesaving Medical Equipment Management and Safety February 24, 2014. JIPMER, Pondicherry. *Advisor*

Dr. Vasudevan

- Organizing secretary: CME on Infection Control in Intensive Care, April 13, 2013, JIPMER, Pondicherry
- Chaired a session in 29th Annual Southzone Conference (PONSZAC) 2013, August 23–25, 2013, JIPMER, Pondicherry
- Organizer: Workshop on Airway Management: Difficult Airway Simulation, August 22, 2013, JIPMER, Pondicherry
- Organizing committee member: Third International Conference on Regional Anesthesia (RA-ASIA) 2014, January 18–19, 2014, JIPMER, Pondicherry
- Delivered a lecture in CME on Obstetric Critical Care, January 25, 2014, JIPMER, Pondicherry
- Member, organizing committee core group: International Summit on Emergency Medicine and Trauma (ISEMT) 2014, JIPMER, Pondicherry

Dr. Sandeep Kumar Mishra

- Guest lectures: Best practice of laryngoscopy, Dt February 12, 2014 ISEMT 2014 at JIPMER, Pondicherry
- As organizer of Difficult Airway Workshop
- ISA South zone annual conference (SZISA PONCON). As a scientific committee member and as a faculty for Difficult Airway Workshop, on August 2013 at JIPMER Pondicherry
- RA ASIA: As an organizing committee member held on January 2014 at JIPMER, Pondicherry

Dr. Suman Lata gupta

- ◆ International: RA ASIA 2014 held at JIPMER on January 18 and 19, 2014
- ◆ Zonal: PONSZAC 2013 at JIPMER on August 23–25, 2013
- ◆ Difficult Airway Workshop, Tata Memorial Hospital, Mumbai October 25, 2013—presented free paper
- ◆ Perioperative outcome in Cancer Surgery at Tata Memorial Hospital, Mumbai on February 28–March 2, 2014

Dr. S. Adinarayanan

- Delivered lecture in Cancer Pain Management. CNE as part of AGOICON. November 2013
- PONSZAC 2013, Annual South Zone ISA and Pondicherry State Conference of Indian Society of Anaesthesiologists, Pondicherry, August 2013. Workshop Coordinator: *Anesthesia workstations*
- Delivered a lecture as a part of Pro-Con session at PONSZAC 2013. Topic: Is administering a regional block safe after giving GA
- Attended International Pain Conference at Kolkotta as delegate in October 2013
- Organized the Live demonstration of Regional Blocks under USG guidance as part of RA Asia January 2014

Dr. Satyen Parida

- PONSZAC 2013 29th Annual South Zone Conference of ISA August 23–25, 2013, organized by the ISA Pondicherry at JIPMER, Puducherry
- Fourth Short Course on Basic Epidemiology November 4–8, 2013, organized by the Dept. of Preventive and Social Medicine, JIPMER at Puducherry
- IACTA 2014, 17th Annual Conference of the IACTA February 21–23, 2013, organized by the ACTA Mumbai Chapter at Mumbai
- Third International conference on Regional Anaesthesia—RA ASIA 2014, organized by the Dept of Anesthesiology & Critical Care, JIPMER at Puducherry
- *Delivered a lecture:* TM's 3rd World Cardiovascular Online Conference September 16–18, 2013 organised by Target meeting group on, "Angiotensin converting enzyme (ACE) inhibitors and perioperative heart failure: Risk-benefit analysis"

Dr. Satyaprakash MVS

- RA ASIA 2014
- PONSZAC—2013
- Three CMEs conducted by state branch of ISA, Puducherry

Dr. Anusha Cherian

- Faculty and course coordinator for Ultrasound workshop in ISEMT conference, February 11–16, 2014
- Member of the organizing committee for RA ASIA January 18–19, 2014
- Joint organizing secretary for CME on obstetric critical care series, January 25, 2014
- Faculty in the CNE on hemodynamic monitoring and delivered a lecture on physiological and theoretical basis of hemodynamic monitoring, February 19, 2014
- Attended workshop on ultrasound in emergency care at EMCON, Calicut, November 16–17, 2013
- Attended the 69th national teachers training course organized by NTTTC, JIPMER, March 6–15, 2014

Anesthesiology and Critical Care

Dr. P. Sakthi Rajan

Conferences (Heading organising committee) (April 2013–March 2014)

- PONZAC—2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference—Puducherry. August 25–25, 2013
- RA—Asia 2014 (Puducherry) January 18–19, 2014

Conferences/workshops attended as Faculty.

- Workshop on “Anaesthesia workstation,” PONZAC—2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference—Puducherry. August 25–25 2013
- Management of coagulopathy in obstetrics haemorrhage—“1st JIPMER obstetric critical care series”

Conferences and CMEs attended as delegate (April 2013–March 2014):

- PONZAC—2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference—Puducherry. August 25–25, 2013
- RA—Asia 2014 (Puducherry) January 18 and 19, 2014
- TEE workshop, PIMS, Puducherry, February 23, 2014
- International symposium on endocrine anesthesiology, AIIMS, New Delhi, November 30th–1st December

Training

- a. 67th National course on educational science for teachers of health professionals, JIPMER, September 12–21, 2014

Dr. Stalin Vinayagam

- Regional Anaesthesia Asia 2014 (RA ASIA 2014) international conference conducted by department of Anaesthesiology at JIPMER on January 18 and 19, 2014
- South Zone ISA conference (PONSZAC 2013) conducted by ISA Puducherry at Jipmer on August 23–25, 2013
- Guest lecture on “Sepsis management in adults” at JIPMER on world sepsis day CME conducted by Department of microbiology on September 12, 2013
- Workshop on question paper setting conducted by Department of medical education at JIPMER on July 2013
- Workshop on MCQ setting conducted by Department of medical education at JIPMER on August 2013
- Airway workshop at south Zone ISA conference at Jipmer on August 23–25, 2013 conducted by Department of Anaesthesiology, JIPMER
- CME on patient safety on November 2013 conducted by JIPMER
- CME on Brain dead donors conducted by JIPMER

Dr. R. Praveen Talawar

- PONSZAC-2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference – Puducherry. August 23–25, 2013
- World Pain Symposium—Kolkata (November, 13–17, 2013)
- RA-Asia 2014 (Puducherry—January 18 and 19, 2014)
- CME- Monitoring in Anaesthesia (ISA—Puducherry)
- CME- Brain Death (JIPMER, Puducherry)
- Workshops conducted (Resource person) Difficult airway simulation workshop in PONSZAC-2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference, Puducherry—August 23–25 2013

Dr. Priya Rudingwa

- PONZAC—2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference—Puducherry. August 25–25, 2013
- RA—Asia 2014 (Puducherry January 18 and 19, 2014)
- CME—Monitoring in Anaesthesia (ISA Puducherry)

Dr. Chitra Rajeswari

- PONSZAC—2013, 29th Annual South Zone Indian Society of Anaesthesiology Conference—Puducherry. August 25–25, 2013, talk on pro con session: Bupivacaine should be replaced by chiral alternatives
- RAASIA 2014, JIPMER, Puducherry January 18 and 19, 2014
- CME on Monitoring in Anaesthesia December 1, 2013

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
1.	SatyenParida	Evaluation of a sequential structured educational curriculum for emergency medical technicians in airway management	2013	Nil	None	Ongoing
2.	SatyenParida	Hemodynamic effects of spinal anesthesia in patients treated with Amlodipine	2013	Nil	None	Ongoing
3.	Adinarayanan	Study to assess the psychosocial issues faced by caregivers of pediatric cancer patients	2013	Nil	None	Ongoing
4.	Adinarayanan	Comparison of conventional head Position vs specially designed intubating pillow for endotracheal intubation	2013	Nil	None	Ongoing
5.	Anusha Cherian	Determining the narrowest diameter of the pediatric airway	2 years	Nil	None	Ongoing
6.	Praveen Talawar	Comparison of post-operative pain scores in patients undergoing elective and emergency caesarian section—prospective observational study	2 years	Nil	None	Ongoing
7.	Stalin V.	Comparison of colloid preload with coload during spinal anaesthesia for lower abdominal surgeries	2013	Nil	None	Ongoing

(Continued)

S. No.	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
8.	Stalin V.	Correlation between neck circumference and difficult tracheal intubation in Indian population—an observational study	2013	Nil	None	Ongoing
9.	Sakthirajan	Comparison of NTG and lignocaine subcutaneous perivascular infiltration for radial artery cannulation after failed attempts	2013	Nil	Nil	Ongoing
10.	Sakthirajan	Hemodynamic stability in patients undergoing microlaryngeal surgery under GA—comparison of dexmedetomidine& fentanyl	2013	Nil	Nil	Ongoing

PUBLICATIONS

1. Kundra P, and Kotteswaran Y. Hypospadias surgery and loco-regional anesthesia. *Pediatr. Anesth.* 2013; 23(6): 567–568. Impact Factor: 2.10.
2. Kundra P, Stephen S, and Vinayagam S. Techniques of pre-oxygenation in patients with inadequate mask seal. *Indian J. Anaesth.* 2013; 57(2): 175–179.
3. Kavitha K, Parida S, Kundra P, and Srinivasan R. Oral gabapentin for patients undergoing intraocular surgery. *Br. J. Ophthalmol.* 2013; 97(7): 900–904. Impact Factor: 2.725
4. Kundra P, and Veena P. General endotracheal anaesthesia for caesarean section: A vanishing art? In: *Open Access Anaesthetics*. London: Oxford Publishing; April 01, 2013; 1(1): 7.
5. Kundra P, Savitri V, Srinivasan K, and Gupta SL. Oral ketamine and dexmedetomidine for adults burns' dressings. *Burns.* 2103; 39(6): 1150–1156.
6. Kundra P, Varadharajan R, Kotteswaran Y. and Vinayagam S. Comparison of paravertebral and interpleural block in patients undergoing modified radical mastectomy. *J. Anaesthesiol. Clin. Pharmacol.* 2013; 29(4): 459–464.
7. Dexmedetomidine: A clinical review. Adinarayanan S et al, *Int. J. Chem. Pharm. Res.* 2013; 2(10): 321–329.
9. Ramesh A, Muthukumarassamy R, Karthikeyan VS, Rajaraman G, and Mishra SK. Pseudoaneurysm of internal carotid artery after carotid body tumor excision. *Ind. J. Radiol. Imag.* July 2013; 23: 208–211.
10. Parida S, and Mishra SK. Urinary tract infections in the critical care unit: A brief review. *Indian J. Crit. Care Med.* 2013; 17: 370–374.
11. Cherian A, and Bidkar PU. Acute Coagulopathy of trauma: Mechanism, monitoring and management. *World J. Anesth.* 2014 March 27; 3(1): 00-00ISSN 2218–6182 (online).
12. Vinayagam S, and Sangeeta D. Safety of Paediatric neuraxial blocks: Revisited. *Ind. J. Anaesth.* 2013; 57(2): 217–218.
13. Krishnan, B. Parida, P.K. Gopalakrishnan, S. and Satya Prakash M.V.S. An unusual cause of epistaxis in a young patient: The supranumerary nasal tooth. *Oral Maxillofacial Surg.* December 2013; 17(4): 315–317

14. Parida S, and Badhe AS. Cardiac surgery-associated acute kidney injury. *J. Anesth.* 2013; 27: 433–46.
15. Vasudevan A, Parida S, Elakkumanan LB, and Mishra S. Carbon dioxide rebreathing caused by deformed silicon leaflet in the expiratory unidirectional valve. *J. Anaesthesiol. Clin. Pharmacol.* 2013; 29: 108–10.
16. Parida S. Clinical causality assessment for adverse drug reactions. *Ind. J. Anaesth.* 2013; 57(3): 325–6.
17. Parida S, and Mishra SK. Urinary tract infections in the critical care unit: A brief review. *Indian J. Crit. Care Med.* 2013; 17: 370–4.

PATIENT CARE SERVICES

- i. Clinical: Twenty three operation theatres provide anaesthesia on elective basis. Five OTs provide emergency services on a 24 h basis. Critical care is provided to about 400 patients in the six bedded state of the art critical care unit. A number of patients are referred to our ICU from other department of JIPMER and hospitals from different parts of the state. The ABG, invasive and non-invasive monitoring and cardiac output monitoring are also provided. Extending pain relief services beyond the confines of the operating room led us to start acute pain services, chronic pain services for specially referred patient. Anaesthesia outside the operating theatre include challenging procedures in interventional radiology, cardiology, neurology, gastroenterology and radiation oncology, ESWL & ECT. The Department is actively consulted by all other departments for resuscitation, respiratory assessment, ventilator management and invasive monitoring. The ICU residents also work as a rapid response team for the entire hospital.
- ii. Lab: Five hundred ABG samples per month. Serum lactate assessment is the new addition.

AWARDS, HONOURS, OTHER PERSONAL ACHIEVEMENTS

Pankaj Kundra

Invited Professor

- a. **Invited Professor: Cliniques Universitaires Saint-Luc at Brussels (Belgium)**
 - ◆ Guest Lecture at Cliniques Universitaires Saint-Luc at Brussels (Belgium): *Depth of Anaesthesia and titration of volatile anaesthetics* on May 14, 2013.
 - ◆ Guest Lecture at Cliniques Universitaires Saint-Luc at Brussels (Belgium): *Alpha 2 Adrenergic Agonists* on May 15, 2013.
- b. **Invited Professor: Manipal Academy of Higher Education, Manipal**

Orations

- c. **Francis Memorial Oration:** *How does acute postoperative pain become chronic postoperative pain? Does anaesthetic technique make a difference?* ISACON Kerala 2013, Annual Kerala State Conference of Indian Society of Anaesthesiologists, Perinthalmanna October 26–27, 2013.
- d. **Annual NITTE Oration:** *Ultrasound of the Airway.* National Airway Conference (All India Difficult Airway Association), North Bengal Medical College, Siliguri November 8–10, 2013

Research Appointments

- a. **Section Editor (Airway):** *Indian Journal of Anaesthesia* (Pubmed Indexed). Official publication of Indian Society of Anaesthesiologists.
- b. **Section Editor (Anaesthesia):** *Journal of cleft lip palate and craniofacial anomalies.* Official publication of society of cleft lip palate and craniofacial anomalies.

Anesthesiology and Critical Care

- c. **Editorial Board Member:** Journal of Anaesthesiology and Clinical Pharmacology (Pubmed Indexed). Official publication of Research Society of Anaesthesiology and Clinical Pharmacology.
- d. **Scientific Chairman:** All Indian Difficult Airway Association since 2012.

Sandeep Kumar Mishra

- a. Membership in professional association (2013–2014)
- b. European Society Of Anesthesiology (ESA)
- c. Indian Society Of Critical Care Medicine (ISCCM)
- d. Association of obstetric anaesthesiogy (AOA India)
- e. Indian Society of Neuroanaesthesiology and Critical Care (ISNACC)
- f. The Anaesthesist, (Global Society of anaesthesiologist)
- g. All India Difficult Airway Association (AIDiAA)

SatyenParida

- a. Life membership of the Indian Society of Neuroanesthesiology& Critical Care (ISNACC)

Satyaprakash M.V.S.

- a. Member in indian society of neuroanaesthesia and critical care

Anusha Cherian

- a. Member of the European Society of Intensive Care medicine
- b. Member of the editorial board of world journal of anesthesiology

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Vasudevan

- a. Lead, Simulation Special Interest Group, Dept of Anesthesiology and Critical Care
- b. Member, Critical Care Special Interest Group, Dept of Anesthesiology and Critical Care
- c. Member, Pain Special Interest Group, Dept of Anesthesiology and Critical Care
- d. Member, JIPMER IT Services (JITS) Committee

Sandeep Kumar Mishra

- a. Member ERRC (equipment required review committee). JIPMER
Member JIPMER Security Committee
- b. Member Trauma and emergency care expansion committee
- c. Faculty designated for Emergency Medicine MD course
- d. Officer In charge Liquid Oxygen plant and Medical gas supply, JIPMER
- e. Invited Member of operation theater optimization committee
- f. Faculty designated for Post-Doctoral Fellowship in Critical care training
- g. Non Examiner Coordinator for D.N.B. Practical exam in the subject of Anaesthesiology September 2013 at JIPMER, Pondicherry
- h. Guide and co-guide for post graduate student in anesthesiology, JIPMER
- i. Coordinator for conducting practical examination for Postgraduate, and Post-doctoral fellowship, departmental of Anaesthesiology and Critical care, JIPMER

Adinarayanan

- a. Officer In charge: Palliative Care Clinic in RCC
- b. Co-Officer In charge: For Pain Management Programme
- c. Incharge for Dept statistics on a rotation basis for 6 months
- d. Any other work as entrusted by the HOD

Satyen Parida

- a. Member of the JIPMER Quality Council
- b. Member of the Crowd Management Committee
- c. Training of Post-Doctoral Fellows in Cardiac & Neuro-anesthesiology, B. Sc. OT Technicians, EMT trainees and Post-Basic Certificate course in Cardiothoracic nursing
- d. Collation of Departmental Morbidity and mortality statistics as well as maintaining Critical Incident Report

Satyaprakash M.V.S.

- a. In charge of duty roster for residents

Anusha Cherian

- a. Faculty for post-doctoral fellowship course in critical care medicine
- b. Member of critical care team involved in redesigning of the ICU, website management team
- c. Member of simulation team and actively involved in setting up of the simulation lab
- d. Member of the linen section of JIPMER
- e. Member of hospital disinfection and monitoring committee
- f. Guide and coguide for PG students and fellowship students dissertation

Sakthi Rajan

- a. Departmental assignments-
- b. Day to day management of departmental faculty, senior and junior residents duty scheduling
- c. Manage operation theatres monthly statistics

Stalin V.

- a. Faculty designated for maintaining log book for postgraduates
- b. Member of the website team of Department of Anaesthesiology and critical care, JIPMER
- c. Assistant co-ordinator for DNB PRACTICAL EXAMS in the subject of Anaesthesiology in September 18–20 at JIPMER
- d. Co-ordinator for conducting practical examination for postgraduates in March 2013

Praveen Talawar

- a. Team member of Pain clinic, Simulator in Anaesthesia and Obstetric anaesthesia
- b. Consumable and non-consumable purchase

Priya Rudingwa

- a. Assisting in Post graduate class schedule formulation

Chitra Rajeswari

- a. Assisting in monthly OT statistics, morbidity and mortality submission
- b. Critical incident reporting
- c. Moderate classes for postgraduates
- d. Teaching for paramedics

SIGNIFICANT ACHIEVEMENTS IN THE DEPARTMENT**Visiting Professors**

- a. Dr. MuraliSivarajan, anaesthesiologist from USA took a session on management of perioperative myocardial ischemia. It was done as a problem based learning session

Organizing Conferences

- a. International
 - ◆ Third International Conference in Regional Anesthesia, RA ASIA 2014 was held in January 2014. Five hundred delegates participated in this conference
- b. Zonal
 - ◆ PONSZAC 2013 was held in August 2013. It was attended by 800 delegates
- c. Workshops
 - ◆ Difficult airway workshop was a simulation based workshop held in August 2013
 - ◆ Workshop on Anesthesia machines in August 2013

Establishment of Simulation Lab

- a. Human patient simulator and 3G simman were installed in the department's simulation room this year and the faculty underwent training in the use of the simulator
- b. We have conducted three workshops on simulated scenarios with these simulators

We have also started training our residents on management of Anaesthesia and critical events occurring in the OTs with the simulators.

Anatomy

FACULTY LIST

1. PROFESSOR AND HEAD	:	Parkash Chand
2. PROFESSOR	:	Ramachandra Rao K.
3. ADDITIONAL PROFESSOR	:	Aravindhan K.
4. ASSOCIATE PROFESSORS	:	i. Suma H. Y ii. Rashmoni Jana iii. Sarasu J.
5. ASSISTANT PROFESSORS	:	i. Gladwin V. ii. Suman Verma iii. Rajasekhar S. S. S. N. iv. Sulochana Sakthivel v. Raveendranath V. vi. Yogesh Ashok Sonatakke vii. Dharmaraj Wamanrao Tamgire

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of anatomy functions at the ground floor of the JIPMER Academic Center for the past 1 year. Majority of the department's time is dedicated in teaching-learning activities of undergraduate and postgraduate courses. The department has extended its helping hand to train the super-specialty (M.ch.) students as well as faculty from all over the country by coordinating cadaveric workshop with departments of Neurosurgery, Orthopedics, and Plastic surgery. The department is actively involved in patient care services in the field of Cytogenetic and Funeral embalming. The histological section is equipped with complete automated tissue processing unit. The Microscopic lab has expanded its field with bright field microscope, inverted microscope, fluorescent microscope, confocal microscope and live cell imaging. Molecular genetics lab is in the process of upgrading its research facets from DNA damage study to polymerase chain reaction (PCR), gene studies and currently exploring a new research area in the field of prenatal diagnostics. In addition Experimental Animal lab has been newly become functional for research studies.

EDUCATIONAL COURSES

Undergraduate Course

- M.B.B.S
- B.Sc. (Nursing)
- B.Sc. (Medical Lab Technology)
- B.Sc. (Dialysis Technology)

Anatomy

B.Sc. (Perfusion Technology)
 B.Sc. (Operation Theatre Technology)
 B.Sc. (Medical Radiation Technology)
 B.Sc. (Neuro Technology)
 B.Sc. (Nuclear Medicine Technology)
 B.Sc. (Cardiac Lab Technology)

Postgraduate Courses

M.D (Anatomy)
 I M.Sc. (Medical Biochemistry)
 I M.Sc. (Medical Physiology)

Research Courses

Ph.D . (Anatomy)

Other Courses

Medical Record Technicians Course (MRT)
 Medical Record Officer's Course (MRO)
 Emergency Medical Technician Certificates Course (EMTC)

CONFERENCES AND CMES ORGANISED BY THE DEPARTMENT

- i. Organized “Hands on cadaveric fracture fixation workshop” in collaboration with Department of Orthopedics, at Department of Anatomy JIPMER on October 11 and 12, 2013.
- ii. Organized in collaboration with Department of Neurosurgery, “Hands on cadaveric workshop on crano-vertebral junction and posterior cervical spine” at Department of Anatomy, JIPMER on November 23, 2013.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Parkash Chand

- i. Organizing chairman for “Hands on cadaveric fracture fixation” workshop organized by the Department of Orthopedics and Department of Anatomy held on October 11 and 12, 2013 at JIPMER, Puducherry.
- ii. Attended the National conference of Anatomical Society of Indian NATCON 61, at PGIMER, Chandigarh from November 22 to 25, 2013.
- iii. Course Faculty for “Hands on cadaveric workshop on crano-vertebral junction and posterior cervical spine” organized by the Department of Neurosurgery and Department of Anatomy at JIPMER on November 23, 2013.

Dr. Aravindan K.

- i. Participated in the 67th National teacher training course held at JIPMER from September 12 to 21, 2013.

Dr. Suma H. Y.

Attended CME on “Stem Cell and its applications” at 36th Annual Conference of Association of Anatomists conducted by SRM Medical College Hospital & Research Centre, Kattankulathur, Tamil Nadu on October 5 and 6, 2014

- i. Invited as resource person at Hands-on Cadaveric Fracture Fixation Workshop held on October 11 and 12, 2013 at JIPMER
- ii. Attended Tenth National Workshop on “Basic Techniques in Molecular Biology & Bioinformatics in Pharmacogenomics” held between August 26 till 31, 2013 at Department of Pharmacology, JIPMER
- iii. Participated in the “Workshop on Question Paper Setting” on July 7, 2013 held at JIPMER
- iv. Attended “CME and Workshop on Patient safety” organized by JIPMER Quality Council on November 24 and 25, 2013
- v. Attended CME on “Genodynamics of Neurodevelopmental disorders” held at Indira Gandhi Medical College & Research Institute, Puducherry on March 8, 2014

Paper Presentation at Conference

- i. Presented a paper entitled “Sister Chromatid Exchange and Down Syndrome” during 36th Annual Conference of Association of Anatomists at SRM Medical College Hospital & Research Centre, Kattankulathur, TN held on October 5 and 6, 2014.

Dr. Rashmoni Jana

- i. Attended “ASCRS-ASOA Symposium and Congress” at San Francisco, California, USA, held on April 20–23, 2013
- ii. Participated in the “Workshop on Question Paper Setting” organized by Medical Education Department, JIPMER on July 7, 2013.
- iii. Attended and delivered a lecture on “Normal Histology and Anatomy of the Male Genital Tract” at CME of CYTOCON 2013, 43rd Annual Conference of Indian Academy of Cytologists organized by Department of Pathology, JIPMER held on October 3–6, 2013.
- iv. Attended CME on “Stem Cell and its applications” at 36th Annual Conference of Association of Anatomists conducted by SRM Medical College Hospital & Research Centre, Kattankulathur, Tamil Nadu on October 5 and 6, 2014
- v. Attended the CME on “Genodynamics of Neuro-Developmental Disorders” organized by Department of Anatomy, IGMC&RI, Puducherry held on March 8, 2014.
- vi. Participated in the seminar on “Translational Research” organized by division of research, JIPMER held on January 24, 2014 at Academic Centre, JIPMER.
- vii. Participated and contributed to framing of curriculum for B. Sc. Allied Medical Sciences courses during the “Workshop on Curriculum Development” at Academic Centre, JIPMER held on January 25, 2014.

Paper Presentation at Conference

- i. Presented a paper titled “Sub Diaphragmatic Hepatic Flexure—Its Clinical Importance and Embryological Basis” during 36th Annual Conference of Association of Anatomists at SRM Medical College Hospital & Research Centre, Kattankulathur, Tamil Nadu held on October 5 and 6, 2014.

Dr. Sarasu J.

- i. Participated in the “Workshop on Question Paper Setting” organized by Medical Education Department, JIPMER on July 7, 2013.
- ii. Attended “Monothematic workshop on Brain Death” at JIPMER, Puducherry on September 21, 2013.
- iii. Attended CME on “Stem Cell and its applications” and Annual conference at 36th Annual Conference of Association of Anatomists conducted by SRM Medical College Hospital & Research Centre, Kattankulathur, Tamil Nadu on October 5 and 6, 2014.

Anatomy

- iv. Attended 2nd International and 7th national annual conference of society of wound care and research organized by Department of Plastic Surgery at JIPMER, Puducherry from October 11 to 12, 2013.
- v. Attended International summit on emergency medicine and trauma (ISEMT), 2014 at JIPMER, Puducherry from February 12 to 16, 2014.
- vi. Attended short course on “Fundamentals of Biostatistics, Principles of Epidemiology & SPSS” at CMC, Vellore from March 17 to 21, 2014.
- vii. Attended “Applications of Cytogenetics in Clinical practice” organized by the Department of Cytogenetics at CMC Vellore from March 21 to 22, 2014.

Paper Presentation at Conference

- i. Presented paper entitled “Robert’s Syndrome—A rare congenital anomaly” at 36th Annual Conference of Association of Anatomists conducted by SRM Medical College Hospital & Research Centre, Kattankulathur, Tamil Nadu on October 5 and 6, 2014.

Dr. Gladwin V.

- i. Attended CME on “Stem Cell and its applications” Annual conference at 36th Annual Conference of Association of Anatomists conducted by SRM Medical College Hospital & Research Centre, Kattankulathur, Chennai, Tamil Nadu on October 5 and 6, 2014.
- ii. Participated and coordinated in the “Workshop on Curriculum Development for B.Sc. Allied Medical Sciences courses” at Academic Centre, JIPMER held on January 25, 2014.
- iii. Participated as course faculty in “Hands on cadaver workshop on crano-vertebral junction and posterior cervical spine organized by the Department of Neurosurgery held at JIPMER from November 23 to 24, 2013.
- iv. Participated as course faculty in “Hands on cadaveric fracture fixation workshop” organized by the Department of Orthopedics & Anatomy, JIPMER on October 11 and 12, 2013, and delivered a talk on “Vascular anatomy of upper limb.”
- v. Participated in the “National workshop on Standard S10 plastination technique 2013” organized by the Department of Anatomy, CMC Vellore June 8, 2013.
- vi. Attended CME on “Geno-dynamics of neurodevelopmental disorders” on March 8, 2014, organized by the Department of Anatomy, Indira Gandhi medical college & research Institute, Puducherry.
- vii. Participated in the 2nd annual hands on workshop in neurochemistry and electron microscopy at NIMHANS, Bangalore, organized by the Department of Neuropathology and Neurochemistry from July 15 to 20, 2013.
- viii. Participated as Faculty and program coordinator in the “Hands on training program on Zotero” on November 18, 2013, organized by Department of Medical Education, JIPMER.

Paper Presentation at Conference

- i. Presented papers entitled “Onodi cell—its prevalence and surgical implications—A review” and “Anatomical variations of mobile wad compartment of forearm” at 36th Annual Conference of Association of Anatomists conducted by SRM Medical College Hospital & Research Centre, Kattankulathur, Tamil Nadu on October 5 and 6, 2014.

Dr. Suman Verma

- i. Attended CME on Issues in HIV organized by JIPMER & Pondicherry AIDS control society held at JIPMER, Puducherry on January 24, 2014.
- ii. Attended Seminar on Translational Research held at JIPMER Academic Center on January 24, 2014.

- iii. Participated in 68th National Course on Educational Science for Teachers of Health Professionals held at JIPMER, Puducherry from February 20 to March 1, 2014.
- iv. Attended CME on “Geno-dynamics of neurodevelopmental disorders” on March 8, 2014, organized by the Department of Anatomy, Indira Gandhi medical college & research Institute, Puducherry.

Dr. Rajasekhar. S.S.S.N

- i. Attended CME on “Geno-dynamics of neurodevelopmental disorders” on March 8, 2014, organized by the Department of Anatomy, Indira Gandhi medical college & research Institute, Puducherry.

Dr. Sulochana Sakthivel

- i. Attended CME on Issues in HIV organized by JIPMER & Pondicherry AIDS control society held at JIPMER, Puducherry on January 24, 2014.
- ii. Attended Seminar on Translational Research held at JIPMER Academic Center on January 24, 2014.
- iii. Attended CME on “Geno-dynamics of neurodevelopmental disorders” on March 8, 2014, organized by the Department of Anatomy, Indira Gandhi medical college & research Institute, Puducherry.

Dr. Raveendranath.V

- i. Attended CME on “Geno-dynamics of neurodevelopmental disorders” on March 8, 2014, organized by the Department of Anatomy, Indira Gandhi medical college & research Institute, Puducherry.

Dr. Yogesh Ashok Sonatakke

- i. Attended CME on “Geno-dynamics of neurodevelopmental disorders” on March 8, 2014, organized by the Department of Anatomy, Indira Gandhi medical college & research Institute, Puducherry.

Dr. Dharmaraj Wamanrao Tamgire

- i. Participated in 69th National Course on Educational Science for Teachers of Health Professionals organized by Department of NTTTC JIPMER, Puducherry from March 6 to 15, 2014.

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institution/ Departments	Status
1.	Dr. Suma H Y	Assessment of frequency sister chromatid exchange and its association with clinical features in children with Down syndrome.	1 year	Intramural fund ₹50,000/-	• Pediatrics	Ongoing

(Continued)

S. No.	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institution/ Departments	Status
2.	Dr. Rashmoni Jana	“Effect of chronic stress on morphology of interstitial cell of cajal (ICC), nitreergic and cholinergic neurons in the enteric nervous system of rat colon”	3 years	Intramural fund ₹2,00,000.00	• Intra-departmental	Ongoing
3.	Dr. Sarasu. J	Detection of fetal DNA in maternal plasma as a prenatal diagnostic technique	3 years	Intramural fund ₹1,50,000.00	• Anatomy • Obs & Gynae	Ongoing
4.	Dr. V. Gladwin	Assessment of DNA damage in patients with Dementia	2 years (April 2014– March 2016)	-	• Anatomy • Psychiatry • Biochemistry	Ongoing

PUBLICATIONS

1. Bahubali Gane, et al. Antenatal and intrapartum risk factors for perinatal asphyxia: A case control study. *Curr. Pediatr. Res.* 2013; 17(2): 119–122.
2. Brooklyin S, Rashmoni Jana, Adhisivam, Parkash Chand, Ravikumar Chittoria. Study of deoxyribonucleic acid (DNA) damage in children with orofacial clefts. *Curr. Pediatr. Res.* 2014; 18(1): 27–32.
3. Brooklyin S, Rashmoni Jana, Aravinthan S, Adhisivam, Parkash Chand. Assessment of folic acid and DNA damage in cleft lip and cleft palate. *Clin. Pract.* 2014; 4: 4–6, (Pubmed).
4. Nandha Kumar S, et al. Biochemical marker as predictor of outcome in perinatal asphyxia. *Curr. Pediatr. Res.* 2013; 17(2): 63–66.
5. Priyadharshini NA, Parkash Chand, Vishnu Bhat B, and Ramachandra Rao K. Assessment of DNA damage in term neonate with sepsis by comet assay. *Curr. Pediatr. Res.* 2014; 18(1): 15–17.
6. Ramamurthy S, Chand P, Chaturvedula L, and Rao KR. Deoxyribonucleic acid damage study in primary amenorrhea by comet assay and karyotyping. *Ind. J. Hum. Genet.* October 2013; 19(4): 397–402.
7. Rashmoni Jana, and Pushpa Dhar. Hepatic flexure in right sub diaphragmatic space and its embryological basis and clinical importance. *Ital. J. Anat. Embryol.* [IJAE] 2014; 9(1), (Pubmed).
8. Rashmoni Jana. Unusual site of formation of brachiocephalic vein along with multiple venous anomalies in neck and its clinical importance. *Nat. J. Clin. Anat.* [NJCA] 2014; 3(2): 93–95.
9. Suma HY, Hariharan DR, and Ramachandra Rao K, Coronary venous anatomy and its relevance. *Int. J. Anat. Sci.* 2013; 4(2): 14–19.
10. Vidya G, Suma HY, Vishnu Bhat B, Parkash Chand, Ramachandra Rao K, and Harichandra Kumar. Estimation of DNA damage through comet assay in children with congenital heart disease- case control study. *Curr. Pediatr. Res.* 2014; 18(1): 1–4, (H-index of 2).
11. Vidya G, Suma HY, Vishnu Bhat B, Parkash Chand, and Ramachandra Rao K. Hypoxia induced DNA damage in children with isolated septal defect and septal defect with great vessel anomaly. *J. Clin. Diagnost. Res.* 2014; 8(4): 1–3, (H-index of 5).

Book Chapter

1. Dr. Rashmoni Jana has written a chapter in the conference souvenir of CYTOCON 2014, titled “Normal Histology and Anatomy of the Male Genital Tract”.

PATIENT CARE SERVICES

Laboratory services

- i. Karyotyping
- ii. Embalming

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Sarasu J.

- i. Won the “M.M. Cooper best paper award for faculty” in scientific session at the 36th Annual conference of Association of Anatomist, Tamilnadu held on October 5 and 6, 2013 at SRM medical college for the paper entitled “Robert’s Syndrome—A rare congenital anomaly” authored by Dr. Sarasu. J., Dr. Deepak Bharathi., Dr. Ramesh.

Dr. Gladwin V.

- i. Won the “M.M. Cooper best paper award for faculty” in scientific session at the 36th Annual conference of Association of Anatomist, Tamilnadu held on October 5 and 6, 2013 at SRM medical college for the paper entitled “Onodi cell—its prevalence and surgical implications” and “A review and Anatomical variations of mobile wad compartment of forearm.”

AWARDS AND HONORS BY POSTGRADUATES

“Dr. Jayavelu Memorial award for the best PG paper presentation” at the 36th Annual conference of Association of Anatomist, Tamilnadu held on October 5 and 6, 2013 at SRM medical college, Kattankulathur, Chennai.

- i. Dr. Vidya G.—“Evaluation Of DNA damage *By Comet Assay* In Children With Isolated Septal Defect of Heart and Septal Defect with Great Vessel Anomaly” authored by Vidya G, Suma HY, Vishnu Bhatt B, Parkash Chand, Ramachandra Rao K.
- ii. Dr. Aparna—“Assessment of DNA Damage in Schizophrenia patients by comet assay”. authored by Dr. Aparna Muraleedharan, Dr. Parkash Chand, Dr. Ravi Philip Rajkumar, Dr. K. Ramachandra Rao.

QUIZ COMPETITION

“Intercollegiate Quiz competition for postgraduates of Anatomy” organized by Department of Anatomy, Madras Medical College, Chennai on 07-02-2014.

- i. I prize—Dr. Vidya G and Dr. Rajprasath
- ii. III prize—Dr. Aparna Muraleedharan and Dr. Harsha Pratap

PROFESSIONAL MEMBERSHIPS

Dr. Parkash Chand

- i. Member of the Board(External expert) for revision of PG curriculum Sri Balaji Vidyapeeth University, Mahatma Gandhi Medical College and Research Institute on September 10, 2013
- ii. Anatomical Society of India
- iii. Association of Anatomists, Tamil Nadu
- iv. National Teacher Training Centre (NTTC), JIPMER
- v. JIPMER Scientific Society

Dr. Ramachandra Rao K.

- i. Anatomical Society of India
- ii. Association of Anatomists, Tamil Nadu
- iii. National Teacher Training Centre (NTTC), JIPMER
- iv. Society of Clinical Anatomists
 - v. JIPMER Scientific Society
- vi. Member of CMC alumni
- vii. Member of Indian Society for prenatal diagnosis and therapy

Dr. Aravindhan

- i. Anatomical Society of India
- ii. Association of Anatomists, Tamilnadu
- iii. National Teacher Training Centre (NTTC), JIPMER
- iv. Society of Clinical Anatomists
 - v. JIPMER Scientific Society

Dr. Suma H. Y.

- i. Anatomical Society of India
- ii. Karnataka Chapter of Anatomists
- iii. Association of Anatomists, Tamilnadu
- iv. Indian Academy of Pediatrics, Genetics Chapter
 - v. National Teacher Training Centre (NTTC), JIPMER
- vi. Society of Clinical Anatomists
- vii. JIPMER Scientific Society

Dr. Rashmoni Jana

- i. The aiimsonians - Alumni Association of AIIMS
- ii. Indian Academy of Neuroscience (IAN)
- iii. Anatomical Society of India
- iv. Association of Anatomists, Tamilnadu
 - v. National Teacher Training Centre (NTTC), JIPMER
- vi. Society of Clinical Anatomists
- vii. JIPMER Scientific Society

Dr. Sarasu J.

- i. Anatomical Society of India
- ii. Association of Anatomists, Tamilnadu
- iii. National Teacher Training Centre (NTTC), JIPMER
- iv. Society of Clinical Anatomists
 - v. JIPMER Scientific Society

Dr. Gladwin V.

- i. Anatomical Society of India
- ii. Association of Anatomists, Tamilnadu
- iii. National Teacher Training Centre (NTTC), JIPMER
- iv. Society of Clinical Anatomists
 - v. JIPMER Scientific Society

Dr. Suman Verma

- i. Anatomical Society of India
- ii. National Teacher Training Centre (NTTC), JIPMER
- iii. Society of Clinical Anatomists

Dr. Sulochana Sakthivel

- i. Anatomical Society of India
- ii. Association of Anatomists, Tamilnadu
- iii. Society of Clinical Anatomists
- iv. Society for Basic medical sciences

ADMINISTRATIVE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS**Dr. Parkash Chand****Departmental****Administrative**

- i. Departmental administration related to equipment, consumable and non-consumable items.
- ii. Administration related to technical and non-technical staff
- iii. Officer-in-charge for Department Library and Osteology section
- iv. Maintenance and supervision of Undergraduate and Postgraduate student's academic data.
- v. Chief supervisor for the conduct of JIPMER MBBS Entrance Examination held on June 2, 2013.
- vi. UG/PG Examiner at JIPMER and Chairman of Board of Examiners for I MBBS professional examinations.
- vii. External Examiner for MD Anatomy, Sri Ramachandra University on April 8 and 9, 2013.
- viii. Internal PG Examiner and Chairman Board of Examiners, JIPMER of March 26 and 27, 2014.

Resource person—paper setter for under graduate and post graduate examinations in the subject of Anatomy.

PG dissertation Guide ship

- i. Dr. N.A. Priyadharshini, for the dissertation titled “Assessment of DNA damage in term neonates with sepsis”
- ii. Dr. Aparna Muraleedharan, for the dissertation titled “ Assessment of DNA damage and repair efficiency in Schizophrenia patients by comet assay”
- iii. Dr. Surraj. S for the dissertation titled “Assessment of DNA damage in children with Non syndromic developmental delay by comet assay”.

Institutional**Administrative**

- i. Member workshop article purchase committee
- ii. Inspection officer to the Departments of Microbiology, Central Animal House and Physiology for the purpose of condemnation
- iii. Member Selection committee for the post of Senior Resident on May 16, 2013
- iv. Member Selection committee for the post of Senior Research Fellow—ICMR project, Department of Microbiology on August 23 and 26, 2013
- v. Internal subject expert (Technical expert internal) for Assistant professor APS and recruitment of Assistant Professor on October 18, 2013

Anatomy

Dr. Ramachandra Rao K.

PhD Guideship

Nandha Kumar for the Project titled “DSR genes—its polymorphism and its clinical implication”.

Dr. Aravindhan3

Departmental

Administrative:

- i. In charge for PG’s Seminar Club.
- ii. Departmental purchase committee member for Biochemistry department.

PG dissertation Guideship

- i. Dr. M. Sivakumar for the dissertation titled “Sequential evaluation of DNA damage in patients with head and neck cancer receiving concurrent chemo radiation and its correlation with clinical response”.
- ii. Dr. M. Babu Raj Kiran for the dissertation titled “Morphological study of placenta and umbilical cord with its relation to fetus”.

Examiner ship

- i. External examiner for MBBS Undergraduate at Rajiv Gandhi University, Karnataka.
- ii. External examiner for MBBS Undergraduate at Kerala University, Kerala.
- iii. External examiner for MBBS Undergraduate at Pondicherry University, Pondicherry.
- iv. External examiner for MBBS Undergraduate at TNMGR University-Tamil Nadu.
- v. PG Dissertation Evaluator for M.D Anatomy at JSS University
- vi. PG Dissertation Evaluator for M.D Anatomy at JIPMER
- vii. PG Examiner for M.D Anatomy at JIPMER
- viii. Theory Question Paper Setter for UG, PG and DNB Examination
- ix. Subject Expert for senior resident interview held at AIIMS, Patna

Dr. Suma. H. Y.

Departmental

Administrative

- i. Faculty In-Charge of Cytogenetic laboratory
- ii. Faculty In-Charge 1st year B. Sc. Nursing
- iii. Faculty In-Charge 2nd year B. Sc. Nursing Genetics
- iv. Faculty In-Charge 1st year M. Sc. Nursing Genetics

Examiner ship

- i. PG Dissertation Evaluator for M.D Anatomy at JIPMER

PG dissertation Guide ship

- i. Dr. Vidya for the dissertation titled “Assessment of DNA damage using Comet Assay among children with congenital heart disease and its association with severity”.
- ii. Dr. Harsha Pratap for the dissertation titled “Assessment of sperm DNA integrity in leucocytospermia and its association with levels of Adenosine deaminase in semen”

Dr. Rashmoni Jana**Departmental****Administrative**

- i. Officer in charge of Histology section of the department of Anatomy
- ii. Officer in charge of departmental Experimental Animal Laboratory
- iii. Faculty in charge for 1st year B.Sc. (Allied Medical Sciences) students
- iv. Faculty in charge for 1st year B.Sc. (Medical Laboratory Technician) students
- v. Faculty in charge for 1st year EMTC (Emergency Medical Technician Certificate course)

PG dissertation Guide ship

- i. Dr. S. Brooklyin for the dissertation project titled “Assessment of DNA damage in children with cleft lip and cleft palate”.
- ii. Dr. Manjunatha. N, for the dissertation titled “Study of deoxyribonucleic acid damage in dilated cardiomyopathy patients with low ejection fraction”.

Examiner ship

- i. Internal Examiner for 1st Professional Examination of MBBS May/June 2013
- ii. Internal Examiner for Degree Examination of B.Sc. MLT May/June 2013
- iii. Internal Examiner for Degree Examination of B.Sc. MLT November/December 2013
- iv. Internal question paper setter of B.Sc. Allied Medical Sciences courses
- v. Question paper setter of postgraduate DNB entrance examination
- vi. Question paper setter of postgraduate MD/MS entrance examination of NEIGRIHMS, Shillong

Dr. Sarasu J.**Departmental****Administrative**

- i. Nodal officer for JIPMER website
- ii. Officer in charge of JIPMER News
- iii. Officer in charge of Department Annual report

PG dissertation Guide ship

- i. Dr. Rajprasath for the dissertation titled “Assessment of DNA damage and its repair capacity palliative radiation dose fractionation schedules in locally advanced oral cavity cancer”.
- ii. Dr. Aditya for the dissertation titled “Detection of Rh D status of fetus in Rh-D negative mother by non-invasive prenatal diagnostic technique”.

Institutional**Administrative**

- i. Group leader (Accreditation) & Member of JIPMER quality Council
- ii. Advisory Member of JIPMER information technology (JITS)
- iii. Member of (JIPMER) Institute Stores Article Purchase committee (ISAP)
- iv. Executive member of JIPMER faculty association
- v. Member of Anti-Ragging committee.
- vi. Member of JIPMER Student Counseling Committee
- vii. Member of Organizing committee in JIPMER convocation 2013
- viii. Member of Organizing committee in JIPMER Quality council

Anatomy

- ix. Member of Organizing committee in Wound care 2013 organized by () Department of Plastic surgery from October 11 to 13, 2013.
- x. Joint editor of JIPMER Quality Council Manual
- xi. Centre in charge for entrance exam for DM & M.ch., JIPMER
- xii. Centre in charge for entrance exam for MTS, MPW, Stenographer

Examiner ship

- i. Internal Examiner for 1st MBBS Professional Examination of May/June 2013.
- ii. PG Dissertation Evaluator for M.D Anatomy at JIPMER

Dr. Gladwin V.

Departmental

Administrative

- i. Officer-in-charge of Dissection Hall & Embalming
- ii. Officer in charge of stores

PG dissertation Guide-ship

- i. Dr. Narayanan for the dissertation titled “Assessment of DNA damage in patients with Psoriasis vulgaris”

Institutional

Administrative

- i. Faculty Academic affairs
- ii. Course coordinator for BSc MLT & AMS courses
- iii. Member of Anti-Ragging committee.
- iv. Member—JIPMER Security committee
- v. Member—Selection committee for Junior Resident interview
- vi. Supervisor for the conduct of JIPMER MBBS examination on June 2, 2013
- vii. Resource person for PG orientation programme—NTTC, JIPMER
- viii. Served as Institute representative for online PG MD/MS Entrance Exam February 2014.

Biochemistry

FACULTY LIST

1. SENIOR PROFESSOR AND HEAD	:	Sridhar M.G.
2. SENIOR PROFESSOR	:	Ananthanarayanan P.H.
3. PROFESSOR	:	Zachariah Bobby
4. ASSOCIATE PROFESSOR	:	Soundravally R.
5. ASSOCIATE PROFESSOR	:	Medha R.
6. ASSISTANT PROFESSOR	:	Nandeesh H.
7. ASSISTANT PROFESSOR	:	BalasubramaniyanVairappan
8. ASSISTANT PROFESSOR	:	Nivedita Nanda
9. ASSISTANT PROFESSOR	:	Prashant S. Adole
10. LECTURER	:	SenthilKumar G.P.

NON-FACULTY LIST

1. CHIEF CLINICAL BIOCHEMIST	:	Munisamy P.
2. SCIENTIST IV	:	Kandasamy S.
3. ASSISTANT BIOCHEMIST	:	Padmavathy

BACKGROUND INFORMATION OF THE DEPARTMENT

Since its inception, the department has been focusing on teaching, patient care services and research. The department has the state of the art clinical chemistry laboratory and equipment's for teaching, research and patient care services. The faculties teach and train students of MBBS, MSc, BSc (Medical Lab Technology), BSc (Allied Health Sciences), BSc (Nursing) and PhD programs. Several research activities are carried out with both intramural and extramural funding. Faculty members are resource persons for various activities at the local, regional and national level organizations in contributing to the building of a healthy nation.

EDUCATIONAL COURSES

Undergraduate

The department continues with its undergraduate teaching programmes which include MBBS (two semesters), BSc (MLT) (two semesters), BSc (Allied medical sciences) BSc (Nursing) (one semester),

Biochemistry

MRT (two semesters), and MRC (two semesters) and BMRSc (two semesters). New methods of teaching like problem-based learning modules, small group discussions, buzz sessions, revision exercises like formulation of multiple choice questions and open book examinations were introduced for the second semester to strengthen concepts in biochemistry, introducing the concepts of self-learning and lifelong learning.

Postgraduate

These include MSc (Medical Biochemistry with intake of nine students/year (I, II, and III year) and MD (Biochemistry) (3 years course) with an annual intake of four students. Twenty seven departmental seminars were conducted and 51 journals were presented during postgraduate teaching in the department. After postings at the super speciality block, the postgraduate students made departmental presentation regarding review of their tenure. The department has four senior residents and 12 PhD students.

Higher Specialty Courses

NIL

Research Courses

PhD course

Dr. Sridhar M. G.

Following candidates are carrying out their PhD programme under Dr. Sridhar M.G.:

- a. Molecular basis of the effect of curcumin on insulin resistance and its associated complications in diabetes and obesity—Mrs. Maithili Karpagaselvi N.
- b. Molecular basis of the effects of Garciniacambogia extracts on obesity and insulin sensitivity in diet-induced obese and insulin resistant animal models—Ms. Sripradha R.

Dr. Zachariah Bobby

Following candidates are carrying out their PhD programme under Dr. Zachariah Bobby:

- a. Molecular basis of insulin resistance and its complications in high fat fed ovariectomised female wistar rats: The effects of treatment—Mr. Sankar P.
- b. Molecular effects of *costusigneus* extract and vitamin B complex on insulin resistance and its complications in isolated and co-existing type two diabetes mellitus and hypothyroidism—Ms. Ashwini S.
- c. Molecular basis and gene polymorphism of hypertensive disorders of pregnancy among south Indian population—Mr. Vickneshwaran V.
- d. Preventive effect of Amla (*Emblica officinalis*) on the pathobiology of metabolic syndrome in a female experimental model of hypothyroidism associated with high fat induced obesity—Mr. Rajaamuthu P.

Dr. Soundravally R.

Following candidates are carrying out their PhD programme under Dr. Soundravally R.:

- a. Gene expression profile of selected inflammatory and oxidant-anti oxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity—Mr. Cleetus C.
- b. Assessment of platelet membrane receptors' expression, fluidity and functions in dengue viral infection—Ms. Daisy Mariya Samadanam
- c. Assessment of vitamin D related gene polymorphisms in postpartum depression among Indian women—Mrs. Raji R.

Dr. Medha R.

Following candidates are carrying out their PhD programme under Dr. Medha R:

- a. Immunogenetics of psoriasis vulgaris in South Indian population—Ms. Indhumathi S.
- b. Biomarkers of cardiovascular risk and associated gene polymorphisms in patients with psoriasis in South Indian population—Ms. Anjana S.
- c. Genetics of non-segmental vitiligo in South Indian population—Ms. Kalaiselvi R.

Dr. Nandeesh H.

Following candidates are carrying out their PhD programme under Dr. Nandeesh H.:

- a. Role of insulin in the pathogenesis of benign prostatic hyperplasia—Mr. Karli Sreenivasulu.

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

- i. Hands on training for Kendriya Vidyalaya class XII students on Molecular Biology Techniques

CONFERENCES AND CMES ATTENDED BY THE FACULTY**Dr. Sridhar M. G.**

- i. Participated as resource faculty in the workshop on Bioethics on April 3, 2013 at JIPMER.
- ii. Participated as resource faculty in Biochemistry Curriculum Development Workshop at AIIMS, Bhopal on April 5 and 6, 2013
- iii. Participated as resource faculty in the “Workshop on Purchase Procedures” for faculty on April 28, 2013 at JIPMER.
- iv. Organized the “Workshop on Curriculum Development” for B.Sc. (Allied Medical Sciences)” January 25, 2014 at JIPMER, Pondicherry.

Dr. Ananthanarayanan P.H.

- i. Attended “Sanjeevita 2013” as an invited speaker at the First Annual Summit on “Current Concepts in Integrative Medicine” held on Friday the September 6, 2013 at Mahatma Gandhi Medical College and Research Institute, Puducherry
- ii. Paper entitled “Serotonin levels in prurigonodularis and its association with severity of depression and pruritus” (Award paper-Oral presentation) presented at the 15th ESDaP Congress 2013, Roskilde, Denmark, June 6–8, 2013.
- iii. Paper entitled “Melatonin levels in psoriasis and associated depression” Award paper-Oral presentation. presented at the 15th ESDaP Congress 2013, Roskilde, Denmark, June 6–8, 2013.
- iv. Paper entitled “Growth parameters and growth hormone levels in children with nephrotic syndrome” (Free paper-Poster presentation) presented at the 21st National Conference of Association of Medical Biochemists of India (AMBICON-2013), Ludhiana, India, November 15–17, 2013.
- v. Resource person for a panel discussion on “Career Choices after MBBS” for a group of interns graduating from MGMCR&RI, Puducherry on January 8, 2014.
- vi. Resource Person for the Workshop on “Question paper setting” on July 7, 2013 organized by the Department of Medical education, JIPMER.
- vii. Resource person for the participants of the 67th, 68th and 69th “National Course on Educational technology” for Teachers of Health Professionals organized by the Department of Medical education under NTTTC in September 2013 and March 2014.

Dr. Zachariah Bobby

- i. Won the second prize for the Dr. Santhana Krishnan B.R. Award by the Indian Academy of Pediatrics, Tamil Nadu chapter for co-authoring the scientific paper entitled “Oxidative stress and antioxidant status among neonates born to mothers with Pre-eclampsia and their early outcome” during the 38th Annual Conference of IAP TNSC held at Chennai on August 23–25, 2013.
- ii. Attended the workshop on “Setting Multiple Choice Questions” conducted by the Department of Medical Education on August 11, 2013.
- iii. Attended the workshop on “Question paper setting” on July 7, 2013, organized by the Department of Medical education, JIPMER.
- iv. Attended the short course on research methodology, Basics of Epidemiology and Biostatistics conducted by Department of Community Medicine, Indira Gandhi Medical College and Research Institute, Puducherry from May 19–22, 2013.
- v. Participated in the workshop on purchase for Faculty on April 28, 2013 at JIPMER.
- vi. Participated in the workshop on purchase for store keepers held on April 6, 2013 at JIPMER.
- vii. Paper entitled “Tissue plasminogen activator (tPA) and Plasminogen activator Inhibitor-1 antigen (PAI-1) levels in first degree relatives of ischemic stroke patients” (Free paper-Oral presentation) presented at the 21st National Conference of Association of Medical Biochemists of India AMBICON-2013., Ludhiana, India, November 15–17, 2013.
- viii. Invited speaker in the “National Seminar on Recent Trends in Biochemistry and Molecular Biology” held on March 17, 2014, organized by the Department of Biochemistry and Molecular Biology, Pondicherry University, Puducherry, India.
- ix. Served as the resource person in the 67th, 68th, and 69th National Course on Educational Science for Teachers of Health Professionals at JIPMER at the National Teacher Training Centre for Health Professionals, JIPMER, Puducherry. JIPMER has granted 30 credit points for the resource persons for each of the national courses.
- x. Participated in the Seminar on Translational Research organized by Division of Research, JIPMER on January 24, 2014.

Dr. Soundravally R.

- i. Assisted in organizing the “Workshop on Curriculum Development” for B.Sc. (Allied Medical Sciences)” January 25, 2014 at JIPMER, Pondicherry.
- ii. Attended the workshop on “Setting Multiple Choice Questions” conducted by the Department of Medical Education on August 11, 2013.
- iii. Attended seminar on Translational Research held on January 24, 2014 at NTT hall, JIPMER Academic center, JIPMER.
- iv. Paper entitled “Study of proinflammatory cytokines and lipid peroxidation as biomarkers in patients with severe dengue disease around defervescence” poster presentation. presented at Frontiers in Modern Biology, June 15–16, 2013, IISc, Bangalore.
- v. Paper entitled “Serum biomarkers for prediction of dengue hemorrhagic fever” (oral presentation) presented at Brainstorming Conference on Dengue Scenario in India: Disease Burden, Surveillance and Control, Madurai, Tamil Nadu, India July 25–26, 2013
- vi. Paper entitled “Assessment of platelet function and nitric oxide levels as biomarkers for dengue disease severity”, (oral presentation) presented at Brainstorming Conference on Dengue Scenario in India: Disease Burden, Surveillance and Control, Madurai, Tamil Nadu, India July 25–26, 2013

Dr. Medha R.

- i. Won the Dr. Premalatha Award for co-authoring the Best Research Paper in Dermatology for the published work in chronic urticaria entitled “Evaluation of platelet activation based on platelet indices, platelet aggregability, soluble P-selectin and platelet oxidative stress in chronic urticaria”,

- during the valedictory function of the XI International Congress of Dermatology and 42nd Annual National Conference of the Indian Association of Dermatologists, Venereologists and Leprologists held at New Delhi from December 4 to 7, 2013.
- ii. Won the first prize for the Dr. Santhana Krishnan B.R. Award (for teaching hospital) from the Indian Academy of Pediatrics, Tamil Nadu chapter, for co-authoring the scientific paper entitled “Early versus late enteral prophylactic iron supplementation in preterm very low birth weight infants: a randomized controlled trial” during the 38th Annual Conference of IAP TNSC held at Chennai from August 22 to 25, 2013.
 - iii. Attended the Workshop on Bioethics held on April 3, 2013 at JIPMER.
 - iv. Attended the Workshop on Purchase Procedures for Store Keepers held on April 6, 2013 at JIPMER.
 - v. Attended the Workshop on Purchase Procedures for Faculty on April 28, 2013 at JIPMER.
 - vi. Paper entitled “Serotonin levels in prurigo nodularis and its association with severity of depression and pruritus” (Award paper-Oral presentation) presented at the 15th ESDaP Congress 2013, Roskilde, Denmark, June 6–8, 2013.
 - vii. Paper entitled “Melatonin levels in psoriasis and associated depression” (Award paper-Oral presentation) presented at the 15th ESDaP Congress 2013, Roskilde, Denmark, June 6–8, 2013.
 - viii. Attended Seminar on “Recent Advances in Health Professional Education” at MGMCRI, Puducherry on July 19, 2013.
 - ix. Paper entitled “Platelet activation in chronic urticaria and its correlation with disease severity” presented at JIPMER Scientific Society Meeting, JIPMER, July 19, 2013
 - x. Attended the Workshop on “Question paper setting” on 7th July 13 organized by the Dept. of Medical education, JIPMER.
 - xi. Attended the workshop on “Setting Multiple Choice Questions” conducted by the Department of Medical Education on August 11, 2013.
 - xii. Paper entitled “Prolactin levels in patients with psoriasis vulgaris” (Free paper-Poster presentation) presented at the 21st National Conference of Association of Medical Biochemists of India (AMBICON-2013), Ludhiana, India, November 15–17, 2013.
 - xiii. Paper entitled “Pentraxin-3 and nitric oxide as indicators of disease severity in patients with alcoholic cirrhosis” (Oral presentation) presented at AMBICON 2013 from November 15 to 17, 2013, held at CMC, Ludhiana.
 - xiv. Helped in the organization of the 2nd CME and Workshop on Patient Safety, November 23–24, 2013, as part of JIPMER Patient Safety Week, JIPMER, Puducherry.
 - xv. Attended the Hands-on Workshop on UCSC Genome Browser and its application in Medical Genomics, JIPMER E-learning Centre, Academic Centre, Puducherry, November 28, 2013.
 - xvi. Paper entitled “Effect of treatment on adipokine levels in patients with psoriasis vulgaris” (Free paper-Poster presentation) presented at the 40th National Conference of Association of Clinical Biochemists of India ACBICON-2013., New Delhi, India, December 3–6, 2013.
 - xvii. Paper entitled “25-hydroxy Vitamin D levels in chronic urticaria” (Free paper-Oral presentation) presented at the XI International Congress of Dermatology and 42nd National Conference of Indian Association of Dermatologists, Venerologists and Leprologists (IADVL), New Delhi, India, December 4–7, 2013.
 - xviii. Paper entitled “Effect of treatment on leptin and adiponectin levels in psoriasis vulgaris” (Free paper-Oral presentation) presented at XI International Congress of Dermatology and 42nd National Conference of Indian Association of Dermatologists, Venerologists and Leprologists (IADVL), New Delhi, India, December 4–7, 2013.
 - xix. Paper entitled “Effect of iron supplementation in women with diffuse hair loss: a prospective cohort study” Free paper-Oral presentation. presented at XI International Congress of Dermatology and 42nd National Conference of Indian Association of Dermatologists, Venerologists and Leprologists IADVL., New Delhi, India, December 4–7, 2013.

- xx. Paper entitled “Anti-desmogleintitres in pemphigus” (Free paper-Oral presentation) presented at “CUTICON-2013” organized by IADVL-Puducherry branch, at Sri Manakula Vinayagar Medical College and Hospital, Puducherry, December 22, 2013.
- xxi. Attended the “Seminar on Translational Research” organized by Division of Research, JIPMER on January 24, 2014.
- xxii. Paper entitled “Role of HLA-Cw6 in susceptibility to psoriasis vulgaris in South Indian population.” (Free paper-Poster presentation) presented at the 17th ADNAT Convention, Trivandrum, India, February 23–25, 2014
- xxiii. Attended the ICMR Advanced Course in Statistics, National Institute of Epidemiology, Chennai, March 17–21, 2014.

Dr. Nandeesh H.

- i. Attended the “Workshop on Purchase Procedures for Faculty” April 28, 2013 organized by Department of Medical Education, JIPMER.
- ii. Attended the “Workshop on setting Multiple Choice Questions (MCQs)” August 11, 2013 organized by Department of Medical Education, JIPMER.
- iii. Attended the Workshop on Question Paper Setting” July 7, 2013 organized by Department of Medical Education, JIPMER.
- iv. Paper entitled “Pentraxin-3 and nitric oxide as indicators of disease severity in patients with alcoholic cirrhosis” (Oral presentation) presented at AMBICON 2013 from November 15 to 17, 2013, held at Ludhiana.
- v. Attended seminar on Translational Research held on January 24, 2014 at NTTC hall, JIPMER Academic center, JIPMER.

Dr. Balasubramaniyan Vairappan

- i. Attended 3rd Ramalingaswamy Conclave at the Marriott Hotel and Convention Centre, Pune organized by National Centre for Cell Science (NCCS), Pune during September 12–14, 2013.
- ii. Paper presented at the International Society for Hepatic Sinusoidal Research (ISHSR) and organized the 17th International symposium on cells of the hepatic sinusoid, Osaka, Japan, September 23–25, 2013.
- iii. Paper presented at the 8th International Symposium on Alcoholic Liver and Pancreatic Diseases and Cirrhosis (ISALPD/C), New Delhi, India, November 16–17, 2013.
- iv. Paper presented at the European Association for the Study of the Liver disease (EASL) organized special conference on Liver Cancer Management, Geneva, Switzerland, February 12–16, 2014.
- v. Paper presented at the 22nd Annual International Conference of Indian National Association for Study of Liver, INASL-2014, Jaipur, India, March 28–30, 2014
- vi. Attended the 68th National Course on Educational Science for Teachers of Health Professionals, JIPMER, Pondicherry, India, February 20–March 1, 2014.
- vii. Attended the Human liver biopsy course at the Hospital Clinic (Institute of Hepatology), Graduate School of Medicine, Osaka City University, Osaka, Japan, September 26–27, 2013.
- viii. Attended seminar on Translational Research held on January 24, 2014 at NTTC hall, JIPMER Academic center, JIPMER.

Dr. Nivedita Nanda

- i. Attended the “Workshop on Curriculum Development” for B.Sc. (Allied Medical Sciences) on January 25, 2014 organized by JIPMER, Puducherry.
- ii. Attended Seminar on Translational Research held on January 24, 2014 at NTTC hall, JIPMER Academic center, JIPMER.
- iii. Attended the 69th National Course on Educational Science for Teachers of Health Professionals (worth 70 credit points) held at JIPMER, Puducherry, from March 6 to 15, 2014.

Research Projects

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Departments	Status
1.	Dr. Sridhar M.G.	A study of adipokine profile Adiponectin, Irisin, Visfatin. in diabetic nephropathy	2 years	JIPMER Intramural fund ₹1,50,000/-	Nephrology Medicine	Ongoing
2.	Dr. Sridhar M.G.	Serum 25 hydroxy vitamin D levels in newly diagnosed sputum smear positive pulmonary tuberculosis patients	2 years	JIPMER Intramural fund ₹1,00,000/-	Pulmonary medicine	Ongoing
3.	Dr. Ananthanarayanan P.H.	A study on prostate specific antigen and omentin-1 in women on treatment for polycystic ovary syndrome	2 years (2012–2014)	JIPMER Intramural fund ₹1,14,528/-	Obstetrics and Gynecology	Ongoing
4.	Dr. Zachariah Bobby	Molecular Basis Of Insulin Resistance And Its Complications In Isolated And Co-Existing Type 2 Diabetes And Hypothyroidism: Effects of Treatment with Insulin Plant <i>Costus pictus</i> D. Don..	The concept proposal of the above proposal has been accepted and the expanded version of the full proposal has been submitted.	Indian Council of Medical Research, ₹35,00,000/-	Nil	Under consideration
5.	Dr. Zachariah Bobby.	Molecular Basis of Hypertensive disorders of pregnancy among South Indian population	Codal formalities completed	Indian Council of Medical Research ₹39,66,830/-	Obstetrics and Gynaecology, JIPMER.	Recommended
6.	Dr. Zachariah Bobby	Placental Insulin Signaling in Hypertensive disorders of pregnancy among a South Indian population	Submitted	Department of Biotechnology, ₹39,98,400/-	Obstetrics and Gynaecology, JIPMER.	Has come for revision
7.	Dr. Zachariah Bobby.	Molecular basis of insulin resistance and its associated complications in an experimental model of postmenopausal obesity	2011–2014	Intramural funds, JIPMER; ₹5,50,000/-	Nil	Ongoing
8.	Dr. Zachariah Bobby.	Molecular basis of insulin resistance and its complications in coexisting type 2 diabetes and Hypothyroidism.	2011–2014	Intramural funds, JIPMER; ₹3,50,000/-	Nil	Ongoing

(Continued)

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Departments	Status
9.	Dr. Zachariah Bobby	Preventive effect of Amla <i>Emblica Officinalis</i> . on the pathobiology of Metabolic Syndrome in a Female Experimental model of Hypothyroidism associated with High Fat Induced Obesity.	2012–2014	Intramural funds, JIPMER; ₹2,00,000/-	Nil	Ongoing
10.	Dr. Zachariah Bobby	Molecular basis of placental vascular dysfunction and oxidative stress in Hypertensive disorders of pregnancy among South Indian population.	2012–2014	Intramural funds, JIPMER; ₹2,00,000/-	Obstetrics and Gynaecology, JIPMER.	Ongoing
11.	Dr. Zachariah Bobby.	Effect of iron supplementation in pregnancy on iron status, oxidative stress, inflammation and insulin resistance.	2012–2014	Intramural funds, JIPMER; ₹70,000/-	Obstetrics and Gynaecology, JIPMER.	Ongoing
12.	Dr. Zachariah Bobby	Additional supplementation of water soluble vitamins in Hypothyroidism: Effects on Biochemical and Clinical complications	2013–2015	Intramural funds, JIPMER, 1,50,000/-	Endocrinology	Ongoing
13.	Dr. R. Soundravally	Gene expression profile of selected inflammatory and oxidant-anti oxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity	2013–2016	Indian Council of Medical Research; ₹31,00,000/-	Institute: Vector control research Centre Departments: Microbiology Medicine, Pediatrics.	Ongoing
14.	Dr. R. Soundravally	Platelet associated molecular targets for inflammation, vascular integrity, thrombocytopenia and disease severity in Dengue infection	2014–2017	Department of Biotechnology DBT; ₹39,46,600/-	Institute: SASTRA University Departments MicrobiologMedicine, Pediatrics.	Ongoing
15.	Dr. R. Soundravally	Association of Vitamin D and related variables with postpartum depression in South Indian women	2014–2016	Department of Science and Technology DST. Rs.27,26,400/-	OBG, Psychiatry	Ongoing