

65-69	66	12.9	66	8.4
70-74	48	9.4	38	4.8
75+	15	2.9	7	0.9
Total	512	100	785	100

District Wise Statistics of Patients According to Hospital Based Cancer Registry for the Year 2013

Name of District	Males		Females	
	#	%	#	%
Madhepura	1	0.2	-	-
Banka	1	0.2	-	-
Haora	-	-	1	0.1
Cuddapah	1	0.2	2	0.3
Chittoor	2	0.4	-	-
Palakkad	-	-	1	0.1
Chennai	1	0.2	1	0.1
Kancheepuram	4	0.8	3	0.4
Vellore	4	0.8	1	0.1
Dharmapuri	6	1.2	3	0.4
Tiruvannamalai	27	5.3	39	5.0
Villupuram	101	19.7	188	23.9
Salem	18	3.5	14	1.8
Namakkal	6	1.2	6	0.8
Erode	2	0.4	4	0.5
The Nilgiris	-	-	1	0.1
Coimbatore	-	-	2	0.3
Dindigul	1	0.2	2	0.3
Karur	5	1.0	6	0.8
Tiruchirappalli	16	3.1	16	2.0
Perambalur	6	1.2	8	1.0
Ariyalur	16	3.1	14	1.8
Cuddalore	77	15.0	150	19.1
Nagapattinam	37	7.2	56	7.1
Thiruvarur	24	4.7	32	4.1
Thanjavur	39	7.6	49	6.2
Pudukkottai	15	2.9	20	2.5
Sivaganga	6	1.2	11	1.4
Madurai	-	-	1	0.1
Theni	1	0.2	-	-
Virudunagar	-	-	2	0.3
Ramanathapuram	1	0.2	1	0.1
Thoothukkudi	1	0.2	-	-

(Continued)

Radiotherapy

Name of District	Males		Females	
Tirunelveli	2	0.4	-	-
Tiruppur	3	0.6	5	0.6
Krishnagiri	-	-	5	0.6
Yanam	1	0.2	-	-
Pondicherry	80	15.6	128	16.3
Karaikal	7	1.4	13	1.7
Total	512	100.0	785	100.0

Site Wise Statistics for Cobalt and Low Energy Linear Accelerator Treatment from April 2013 to March 2014

Site	Number of Patients
Cervical cancer	604
Head and neck cancer	801
Breast	155
Digestive system	63
Others	472
Total	2095

Treatment Wise Statistics of Low Energy Linear Accelerator from April 1, 2013 to March 31, 2014

S. No.	Site	Male				Female				
		General		TNCMHIS		General		TNCMHIS		
		Number of patients	Number of fields	Number of patients	Number of fields	Number of patients	Number of fields	Number of patients	Number of fields	
1.	Head and Neck	900	1,800	2,100	6,000	300	600	900	2,100	
2.	Gynaecologic	-	-	-	-	8,700	17,400	9,600	18,300	
3.	Breast	-	-	-	-	5,400	18,000	5,100	15,000	
4.	GIT	3,000	6,300	300	600	1,500	2,700	1,800	3,300	
5.	Thorax	1,500	3,000	600	1,200	1,200	2,400	1,320	2,640	
6.	Haematology	-	-	-	-	-	-	-	-	
7.	Urology	600	1,200	120	240	300	600	190	380	
8.	CNS	120	240	96	192	240	480	120	240	
9.	Unknown Primary	320	640	140	280	160	320	120	240	
	Total	6,440	13,180	3,356	8,512	17,800	42,500	19,150	42,200	
	Total number of general patients								24,240	
	Total number of TNCMHIS								22,506	
	Total number of fields (general + TNCMHIS)								1,06,392	

Treatment Wise Statistics of Cobalt Machine from April 1, 2013 to March 31, 2014

S. No.	Site	Male				Female				
		General		TNCMHIS		General		TNCMHIS		
		Number of patients	Number of fields	Number of patients	Number of fields	Number of patients	Number of fields	Number of patients	Number of fields	
1.	Head and Neck	3,240	8,400	1,800	3,600	3,000	7,800	1,500	3,000	
2.	Gynaecologic	-	-	-	-	1,500	3,000	900	1,800	
3.	Breast	-	-	-	-	5,400	18,000	5,100	15,000	
4.	GIT	360	720	300	600	200	400	300	600	
5.	Thorax	300	600	360	720	300	600	240	480	
6.	Haematology	-	-	-	-	-	-	-	-	
7.	Urology	2	6	3	9	-	-	-	-	
8.	CNS	240	480	120	240	240	480	120	240	
9.	Thyroid	2	4	2	4	1	2	3	6	
10.	Unknown Primary	4	8	4	8	1	2	1	2	
11.	Miscellaneous	-	-	-	-	-	-	-	-	
	Total	41,611	10,218	2,589	5,181	6,142	14,984	4,564	10,628	
Total number of general patients								10,290		
Total number of TNCMHIS								7,153		
Total number of fields (general + TNCMHIS)								41,611		

Technique Wise Statistics of LINAC iX (High Energy Linear Accelerator) from April 1, 2013 to March 31, 2014

Technique	Number of Patients
3D-conformal radiotherapy	127
Intensive Modulated Radiotherapy (IMRT)	55
Rapid arc technique with IGRT	122
Total	304

Site Wise Statistics of High End Brachytherapy from April 1, 2013 to March 31, 2014

Site	Number of Patients
Head and neck	51
Breast	46
Gynaecological malignancies	165
Penile implant	2
Oesophagus	4
Total	268

Site Wise Statistics of 2d Brachytherapy from April 1, 2013 to March 31, 2014

Site	Number of Patients
Head and neck	48
Breast	37
Gynaecological malignancies	432
Oesophagus	18
Soft tissue sarcoma	16
Total	551

Chemotherapies Delivered by the Department

Place	Numbers
Day Care Centre (OPD)	3,864
General ward	2,005
Special ward	56
Total	5,925

Diagnostic Imaging and Treatment Simulations

Machine	Numbers
CT simulator	2,223
Simulator	2,882
300MA X-ray	2,791
100MA X-ray	689
Ultrasound	950

Palliative Care Statistics for the year 2013–2014

Diagnosis Site Wise	Male	Female	Total	
	Numbers	Numbers	Numbers	%
Ca. Head and neck	90	69	159	25
Ca. Lung	43	20	63	10
Ca. Esophagus	16	17	33	5
Ca. Stomach	25	4	29	4
Ca. Colon and Rectum	12	10	22	3
Ca. Anal Canal	5	4	9	1
Ca. Gallbladder	2	0	2	0.5
Ca. Pancreas	5	8	13	2
Ca. Bone	8	9	17	3
Ca. Breast	2	88	90	14
Ca. Prostate	17	0	17	3
Ca. Penis	8	0	8	1
Ca. Cervix	–	65	65	10
Ca. Vagina	–	5	5	1

Ca. Vulva	-	0	0	0
Ca. Kidney	4	0	4	1
Ca. Urinary Bladder	4	7	11	2
Ca. Ovary	-	28	28	4
Non-Hodgkin's Lymphoma	18	9	27	4
Leukemia	7	0	7	1
Unknown Primary	28	11	39	6
TOTAL	294	354	648	100

TELEMEDICINE (ONCONET CENTRE)

Department of Telemedicine has commenced since January 2011. This service is carried out in collaboration with Onconet that provides technical assistance as well as manpower. This teleconference is networked with Government General Hospital (Yanam), Kidwai Memorial Institute of Oncology (Bangalore), Mandya Institute of Medical Science (Mandya), Arignar Anna Memorial Cancer Hospital (Kanchipuram), Government General Hospital (Arakonam) and Sanjai Gandhi Postgraduate Institute of Medical Science (SGPGIMS), Lucknow.

Statistics of Telemedicine Centre (Onconet Centre) AT RCC from April 2013 to March 2014

Month	Institute/Hospitals	Type of Session	Number of Sessions
April	SGPGIMS, Lucknow	Tele-CGR	3
	SGPGIMS, Lucknow	Tele-Lecture	6
	General Hospital, Yanam	Tele-Consultation	5
	General Hospital, Yanam	Tele-Follow-up	7
May	SGPGIMS, Lucknow	Tele-CGR	2
	General Hospital, Yanam	Tele-Follow-up	13
June	SGPGIMS, Lucknow	Tele-CGR	-
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	7
July	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	3
	General Hospital, Yanam	Tele-Follow-up	6
August	SGPGIMS, Lucknow	Tele-CGR	4
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	3
September	SGPGIMS, Lucknow	Tele-CGR	2
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	8
October	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Follow-up	2
November	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	4
December	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	2
	General Hospital, Yanam	Tele-Follow-up	3

(Continued)

Radiotherapy

Month	Institute/Hospitals	Type of Session	Number of Sessions
January	Rashtrapathi Bhawan, New Delhi	NEW YEAR MESSAGE BY THE HON'BLE PRESIDENT OF INDIA on January 7, 2014	1
	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	2
	General Hospital, Yanam	Tele-Follow-up	2
February	SGPGIMS, Lucknow	Tele-CGR	2
	SGPGIMS, Lucknow	Eastern Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW	1
	General Hospital, Yanam	Tele-Follow-up	4
March	SGPGIMS, Lucknow	Tele-CGR	3
	CMC Vellore	Tele-CME	1
	General Hospital, Yanam	Tele-Consultation	2
	General Hospital, Yanam	Tele-Follow-up	1
Total			108

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Reddy K.S.

- i. AROI endowment oration award on October 19, 2013 at Anna University, Chennai for the event AMPICON-TNPY-Chapter 2013.

Dr. Gunaseelan K.

- i. Nominated as Vice-President for the Association of Radiation Oncologists of India TNPY Chapter.
- ii. Life member of Indian Medical Association.
- iii. Annual member of ESTRO (European Society for Radiotherapy and Oncology).
- iv. Life member of Indian Brachytherapy Society.
- v. Life member of Indian Association of Palliative Care.
- vi. Life member of Association of Medical Physicists of India.

Dr. Ashutosh Mukherji

- i. Awarded First Prize for paper presentation "Analysing Mould Brachytherapy in Early Oral Cancers in Patients Unfit for Surgery" in Young Radiation Oncologists' Conference at Visakhapatnam, January 4, 2014.
- ii. Awarded First Prize for poster presentation "An Analysis of Cranio-Spinal Irradiation by VMAT Technique in Supine Position" at First Indian Cancer Congress in New Delhi, on November 22, 2013.

Mr. Saravanan

- i. Received Dr. Jagadesan Best Paper Award for oral presentation on "Dosimetric Impact of Interfraction Variation in Interstitial High Dose Rate Brachytherapy" during the 18th State Annual Conference of Association of Medical Physicists of India Tamilnadu and Puducherry Chapter (AMPITNPYCON 2013) conducted by Department of Medical Physics, Anna University, Chennai October 18-19, 2013.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Reddy K. S.

- i. **DEAN** of JIPMER and member of standing academic committee, JIPMER till August 2013.
- ii. **DIRECTOR** of Regional Cancer Centre (RCC) JIPMER.
- iii. Editor in chief for JIPMER JOURNAL OF CANCER (JJC).
- iv. Editor in chief for JIPMER cancer update (JCU) bulletin.
 - v. Organizing Chairman of 1st Regional Paediatric Oncology Conference (REPOC-2014).
- vi. Principal Investigator for Hospital Based Cancer Registry.
- vii. Designated and completed as guide for two Ph.D. Scholars. Topics are Mono-isocentric Technique in the Teletherapy Treatment of Post-Operative Carcinoma Breast.
- viii. Dosimetric Impact of Inter-fraction Variation in Interstitial High Dose Rate Brachytherapy.
- ix. Designated as a guide for PG (MD) dissertations entitled.
 - x. Plan evaluation of 3DCRT, IMRT & VMAT for supra tentorial brain tumors—a dosimetric comparison.
- xi. Designated as Co-guide for PG (MD) dissertations entitled:
 - a. 3D Planning In HDR Brachytherapy for Carcinoma Cervix—A Dose Volume Analysis to Targets and Organ At Risk.
 - b. Interstitial Brachytherapy for Tongue Cancer.
 - c. Acute toxicity of 3D Conformal Radiotherapy with concurrent chemo radiotherapy in cancer cervix keeping PTV Dmax \geq 105%.
 - d. Brachytherapy Intestinal Implant Vs. Rapid Arc Boost—A Dosimetric Comparison in Breast Conservation.

Dr. Vivekanandam S.

- i. Professor of Examinations, JIPMER.
- ii. Head of the Department of Radiotherapy, Regional Cancer Centre, JIPMER.
- iii. Head of the Department of Radio-diagnosis, JIPMER.
- iv. Nominated as Institute Representative for the JIPMER MD Entrance Examination January 2014—Guwahati Centre.
- v. Invited as an External Expert for Senior Resident selection at AIIMS, Rishikesh—2013.
- vi. Inspected (Directed by MCI) MNJ Hospital, Hyderabad, SV Medical College, Tirupathi and Bangalore Medical College.
- vii. Organizing Co-Chairman First Regional Paediatric Oncology Conference (REPOC-2014).
- viii. Member of Drug Purchase Committee, JIPMER.
- ix. Chief Convenor for prize committee of Convocation Ceremony, JIPMER.

Dr. Gunaseelan

- i. Core organizing member for the ISEMT 2014 International Summit on Emergency Medicine and Trauma) Conference on February 14–16, 2014 at JIPMER, Puducherry .
- ii. Organizing Secretary for palliative care CNE in AGOICON-2013.
- iii. Joint Secretary for the Regional Paediatric Oncology conference (REPOC-2014).
- iv. Editor for the conference souvenir - Regional Paediatric Oncology conference (REPOC-2014).
- v. Guide and Co-Guide for MD / Ph.D., / B.Sc., dissertation as detailed below.

MD/Ph.D./B.Sc., Dissertation

S. No.	Degree	Guide/Co-guide	Name of Thesis/Dissertation
1.	Ph.D in Medical Physics	Co-guide	Dosimetry and organ motion variation during radiotherapy (on-going)
2.	Ph.D in Pharmacology	Co-guide	Pharmaco-genomic study on effect of cisplatin based chemotherapy regimens in cancer patients (on-going)
3.	Ph.D in Pharmacology	Co-guide	“Metronomic therapy in head and neck carcinoma: Toxicity, efficacy study and evaluation of angiogenesis and immunomodulation biomarkers”
4.	MD in Radiotherapy	Guide	3d planning in HDR brachytherapy for carcinoma cervix— A dose volume analysis to targets and organ at risk
5.	MD in Radiotherapy	Guide	Rapid arc Vs Brachytherapy boost in breast conservation for cancer breast (on-going)
6.	MD in Radiotherapy	Co-guide	Effect of source strength of iridium HDR 192 brachytherapy in carcinoma cervix association with local control and late rectal complications
7.	MS in Anatomy	Co-guide	Assessment of DNA damage and repair capacity in palliative radiation dose fractionation schedules in locally advanced oral cavity cancer
8.	MS in Anatomy	Co-guide	Sequential evaluation of Dna damage in patients with head and neck cancer receiving concurrent chemo-radiation and its correlation with clinical response
9.	MD in Physiology	Co-guide	Effect of yoga on pulmonary, cardiovascular, metabolic functions and stress score in post-mastectomy patients undergoing radiotherapy: A randomized control trial
10.	MD in Pharmacology	Co-Guide	A randomised double -blind controlled study comparing the efficacy and safety of controlled release morphine with immediate release morphine for cancer pain in palliative care patients
11.	MD in Nuclear Medicine	Co-Guide	Effect of Samarium-153 EDTMP therapy on pain and analgesic requirement in patients with multiple painful skeletal metastases
12.	Post Basic Diploma in Oncology Nursing	Co-Guide	Assess the knowledge on oral cancer among attender’s of cancer patients attending regional cancer centre OPD at JIPMER Hospital, Puducherry

- vi. Associate Editor for JIPMER cancer update (JCU) bulletin.
- vii. Exam Supervisor in MBBS entrance exam, June 2013.
- viii. Principal clinical collaborator for B.Sc., (Medical Radiation Technology) course.
- ix. Principal collaborator for B.Sc., (Post Basic Diploma in Oncology Nursing) course.
- x. Principal collaborator for Palliative Care Initiative in JIPMER under Jiv Daya Foundation, Texas, USA.
- xi. Member of Task Force Group for Establishing Wi-Fi and website of JIPMER.
- xii. Member of Drug Purchase and Utilisation Monitoring Committee of the Institute.
- xiii. Member of 4th JIPMER Convocation Committee—Stage and Decoration (Banner).
- xiv. Member of Hospital Information System (HIS).
- xv. Nominated as faculty for the central JIPMER breast disease management.
- xvi. Secretary for RCC—CME association of JIPMER.
- xvii. Nominated as co-ordinator for Visiting faculty Dr. Siddharta Laskar from TMH, Mumbai.
- xviii. Faculty In-Charge for the TNMCHIS (Tamil Nadu Insurance Scheme) for the Department of Radiotherapy.

- xix. Faculty In-Charge for the Teaching schedule for MRD—Trainees of JIPMER.
- xx. Co-Investigator for the Hospital Based Cancer Registry.

Dr. Ashutosh Mukherji

- i. Co-guide in MD thesis: Plan evaluation of IMRT, VMAT and 3D conformal Radiotherapy in sellar and supra-sellar brain tumours. Student: Dr. Ankit Agarwal; MD Radiotherapy.
- ii. Co-guide in MCh thesis: Effect of gastrectomy with D2 lymphadenectomy and adjuvant chemo-radiation in locally advanced gastric cancers. Student: Dr. Prashob Karimi, MCh Surgical Oncology.
- iii. Co-guide in MD thesis: A comparison of Distortion produced otoacoustic emissions and pure tone audiometry in assessing cisplatin induced ototoxicity in treatment of Head and Neck Cancers. Student: Dr. Anil Kumar, MD ENT.
- iv. Guide in MD thesis: Evaluate effect on quality of life and cochlear sparing with use of VMAT in head and neck cancers treated by simultaneous integrated boost. Student: Dr. Thiraiiviyam; MD Radiotherapy.
- v. Co-guide in MSc Nursing thesis: A study on effect of application of honey in prevention of oral mucositis in patients of cancers of head and neck undergoing external beam radiotherapy. Student: Ms. PG Jeyelekshmi, MSc Nursing.
Co-editor of JIPMER Cancer Bulletin.
- vi. Exam Supervisor in MBBS entrance exam for New Delhi centre, June 2013.
- vii. Exam Supervisor in DM / MCh entrance exam for Puducherry centre, July 2013.
- viii. Exam Supervisor in MD/MS entrance exam for New Delhi centre, February 2013.
- ix. Member of JIPMER Information and Technology Services (JITS).
- x. Part of Organizing Committee for Regional Workshop of “National Medical College Network (NMCN)” for Sensitization and Awareness for Nodal Officers of NMCN of South India Medical Colleges held in JIPMER on August 16, 2013.
- xi. Member JIPMER Telemedicine Committee.
- xii. Organising Secretary of 10th CME Regional Cancer Centre JIPMER held on April 27, 2013 on Lung Cancers.
- xiii. Organising Secretary of First RCC Foundation Day on January 23, 2014.
- xiv. Secretary of JIPMER Scientific Society for year 2014–2015.
- xv. Member, Organising Committee in Regional Paediatric Oncology Conference 2014 held on March 8 and 9, 2014 at JIPMER.
- xvi. Member Transport Committee in National Retreat: Directors of Indian Institutes of Public Health in JIPMER, Puducherry on March 10 and 11, 2014.
- xvii. Member of catering committee for the Convocation ceremony, JIPMER.

Mr. Vijayprabhu

- i. Pursuing research on “Optimization of Radiotherapy Techniques in Postmastectomy Chest Wall Irradiation in Treatment of Carcinoma Breast” towards Ph.D. award.
- ii. Co-Investigator “Electron Beam Irradiation Vs. External Photon Beam Irradiation Combined with Surface Mould Brachytherapy boost for Post-mastectomy chest wall irradiation in Locally Advanced Breast Cancer: Dosimetric and Clinical Study”.
- iii. Guide to three M.Sc. (Medical Physics) students from Anna University, Chennai and from Bharathidasan University, Trichy.
- iv. Co-guide to three MD (RT) theses.
- v. Radiological Safety Officer.
- vi. Team member in two JQCs—1. Radiation Safety and 2. Fire Safety and Disaster Management.
- vii. Course coordinator for M.Sc. (Medical Physics) course.

Radiotherapy

- viii. Obtaining necessary authorization from AERB for radioactive source procurement and other regulatory procedures.
- ix. Involved in planning Radiotherapy treatment.
 - x. Patient related quality assurance.
 - xi. Dosimetry and radiation safety for patients.
- xii. Quality Control of treatment procedures.

Mr. Saravanan

- i. Radiological Safety Officer.
- ii. Team Leader in JQC—Radiation Safety.
- iii. Course coordinator for B.Sc. (Radiotherapy Technology).
- iv. Obtaining necessary authorization from AERB for radioactive source procurement and other regulatory procedures.
- v. Part of the physicist team to conduct regular Quality Assurance tests in the department of Radiotherapy, RCC, JIPMER.

Mr. Seenisamy

- i. Actively involved in the treatment planning of Radiotherapy.
- ii. Part of the physicist team to conduct regular Quality Assurance tests in the department of Radiotherapy, RCC, JIPMER.
- iii. Acting as a Radiological Safety Officer.

Mr. Mourougan

- i. Member in Radiation Safety Group of JIPMER Quality Council.
- ii. Involved in successful commissioning of Rapid Arc treatment and Portal dosimetry in Radiotherapy at Regional Cancer Centre, JIPMER.
- iii. Part of the physicist team to conduct regular Quality Assurance tests in the department of Radiotherapy, RCC, JIPMER.

SIGNIFICANT EVENTS IN THE DEPARTMENT

Up Gradation of Patient Care

- i. The Department of Radiotherapy, Regional Cancer Centre has enrolled more than 900 patients under the Tamil Nadu Chief Minister Comprehensive Health Insurance Scheme and obtained approval for Radiotherapy treatments amounting more than one crore rupees for the last eight months to the Institute.
- ii. The Regional Cancer Centre, JIPMER has signed a MOU with National Cancer Registry Programme for the Hospital Based Cancer Registry and started from June 2013.

Visiting Professor

- i. Dr. Siddhartha Laskar, Professor of Radiation Oncology, Tata Memorial Hospital, Mumbai was visited the Department of Radiotherapy in March 2014 and interacted with faculties and residents and shared the expertise in the field of radiation oncology pertaining to paediatric tumors.

New Services Started

- i. Dedicated Palliative Care Clinic for terminally ill cancer patients started function at RCC on Monday, Wednesday and Friday Forenoon.

Surgery

FACULTY LIST

- | | | |
|-------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. PROFESSOR AND HEAD | : | K. Srinivasan |
| 2. PROFESSORS | : | i. S. Jagdish
ii. S. Sarath Chandra
iii. Vikram Kate
iv. D. Kadambari |
| 3. ADDITIONAL PROFESSOR | : | Vishnu Prasad N. R. |
| 4. ASSOCIATE PROFESSORS | : | i. Nanda Kishore Maroju
ii. G.S. Sreenath
iii. S. Manwar Ali |
| 5. ASSISTANT PROFESSORS | : | i. S. Suresh Kumar
ii. K. Balamourugan
iii. A. Anandhi
iv. G. Balasubramaniam
v. D. Shanmugam
vi. Devajit Chowlek Shyam
vii. V. Gomathi Shankar |

BACKGROUND INFORMATION

The department of Surgery has four units with 154 beds including 8 ICU beds. At present we have 16 faculty members, 13 senior residents and 36 postgraduates.

Our outpatient services run from Monday to Saturday with a multidisciplinary cancer care/follow up clinic on every Monday. The range of surgical services provided includes cancer surgery, gastrointestinal and hepatobiliary pancreatic surgery, breast and endocrine surgery and minimally invasive surgery. We also provide round the clock emergency services for trauma and non-trauma emergencies.

We also have dedicated endoscopy unit where diagnostic and therapeutic upper/lower GI endoscopies are performed on all working days.

EDUCATIONAL COURSES

Undergraduate Courses

The department is involved in undergraduate teaching from the third to the ninth semesters. Teaching methodology involves lectures, bedside teaching, symposia and clerkship.

The department is also involved in training students of the B.Sc. (Nursing and Operation Theatre Technology) stream.

Postgraduate Courses

Thirteen postgraduates (PG) per year are admitted for the MS Course. The department has a vibrant academic program which includes journal clubs, lectures and clinical case presentations.

Other Courses

The Department of Surgery coordinates a B.Sc. program in Operation Theatre Technology. This course aims at training dedicated personnel to assist in the Operation theatre setting. It also conducts a 1 year course to train Emergency Medical Services Technicians. The training program includes lecture classes, demonstrations and on field work. This program aims at enabling students who have passed out standard XII to be certified as EMT technicians.

Some of the faculty also function as faculty in the department of surgical gastroenterology, Surgical oncology and Emergency medical services, helping in running M.Ch courses in Surgical gastroenterology, Surgical Oncology and MD in emergency medicine.

CONFERENCES AND CMES ORGANIZED BY DEPARTMENT

- i. A CME on Gastrointestinal Anastomotic Techniques was organized by the Department of Surgery on February 22, 2014.
 - a. Dr. K. Srinivasan was the Organising Chairman and Dr. S. Suresh Kumar was the Organizing Secretary for the CME.
 - b. T. G. Balachandar, Senior Consultant Surgical Gastroenterology, Apollo Hospital, Chennai delivered a guest lecture on stapled gastrointestinal anastomotic techniques.
 - c. Dr. Vishnu Prasad, Additional professor of surgery, JIPMER presented a lecture on overview of gastrointestinal anastomotic techniques in the CME
 - d. The workshop was attended by postgraduates and practicing surgeons and included video demonstration and interactive lectures.
 - e. The CME was awarded six credit hours and 20 credit points under class IV CME.
- ii. A Workshop on Stapled Gastrointestinal Anastomotic Technique was organized by the Department of Surgery on February 22nd and 23, 2014.
 - a. Dr. K. Srinivasan was the Organising Chairman and Dr. S. Suresh Kumar was the Organizing Secretary for the Workshop.
 - b. Dr. T. G. Balachandar, senior consultant Surgical Gastroenterology, Apollo Hospital, Chennai, was the course director.
 - c. Dr. Vishnu Prasad NR, Dr. Sreenath GS and Dr. Manwar Ali S were the Course Faculty for the Workshop.
 - d. The workshop was attended by 25 participants on 22nd February 2014 and 25 participants on 23rd February 2014. Postgraduates and practicing surgeons participated in the workshop.
 - e. The Workshop was awarded 6 credit hours and 20 credit points under class IV CME category
- iii. 1st Basic Surgical Skills Course was organized by the Department of Surgery on 30th March 2013 at NTTC Hall, JIPMER Academic Centre.
 - a. Dr. K. Srinivasan was the Course Convener and Dr. S. Suresh Kumar was the Course Coordinator for the Skills Course
 - b. Dr. C. S. Subramanian, Professor and head, Department of surgery, Annamalai university, participated in the skills course as a course Director.
 - c. Dr. K. Balamourougan, Dr.Devajit Chowlek Shyam , Dr.D. Shanmugam and Dr. V.Gomathi Shankar were the Course faculty for the skills course.
 - d. The Skills Course was attended by 24 participants. Postgraduates, faculty of various disciplines and practicing surgeons from various part of the country participated in the Skill course.

The skill course included video demonstration, interactive lectures and hands on training.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. K. Srinivasan

- i. Organising Chairman of CME on Gastrointestinal Anastomotic Techniques was organized by the Department of Surgery on February 22, 2014
- ii. Organising Chairman of Workshop on Stapled Gastrointestinal Anastomotic Technique was organized by the Department of Surgery on 22nd and 23rd February 2014.
- iii. Course Convener of 1st Basic Surgical Skills Course was organized by the Department of Surgery on 30th March 2013 at NTTC Hall, JIPMER Academic Centre
- iv. Chaired a session in “Monothematic Conference in Suture Selection in Abdominal Surgery, anastomoses to closure” organized by Department of Surgical Gastroenterology, JIPMER on 13.04.13

Dr.S.Jagdish

- i. Chaired a session at the Annual conference of the Tamilnadu and Pondicherry Chapter of the Association of Surgeons of India at Tiruchirapally in August 20,2013

Dr.Vikram Kate

- i. Attended the “Workshop on Question Paper Setting” organized by the department of Medical Education, JIPMER, Pondicherry on 7th July, 2013.
- ii. Attended the “Workshop on setting Multiple Choice Questions” organized by the department of Medical Education, JIPMER, Pondicherry on 11th August, 2013.
- iii. Attended the XXIIIrd National Conference of the Indian Association of Surgical Gastroenterology held at Kolkata from 2nd to 6th October 2013.
 - a. Participated as a faculty –panelist in a Panel Discussion on “Biliary Injury”.
 - b. Participated as faculty in a breakfast session on “How to write and how to present a paper”.
 - c. Judged the poster session on “Liver and Miscellaneous-Section disorders”.
 - d. Presented the following papers as co-author:
 - Effect of Helicobacter pylori eradication on platelet counts in patients with chronic immune thrombocytopenic purpura.
 - A randomized controlled trial comparing early oral feeding versus traditional feeding in patients undergoing elective open bowel surgery.
 - The role of Helicobacter pylori in alcohol induced acute pancreatitis in a tertiary care hospital of South India.
- iv. Attended the 73rd Annual conference of the Association of Surgeons of India (ASICON—2013) held at Ahmedabad from December 25th to 29, 2013.
 - a. Delivered a lecture in the CME on “G.I. Injury – Enterocutaneous fistula”.
 - b. Moderated a Panel Discussion on “Colorectal Reconstructions”.
- v. Attended the International Workshop and Conference on Gastric Cancer held at Chennai on 24th and 25th January 2014.
 - a. Chaired and participated in an International Tele-Panel on “Epidemiology and Molecular basis of Gastric Cancer”.
 - b. Moderated an International Tele-Panel on “Staging Strategies in Gastric Cancer”.
 - c. Participated as a panelist on demonstration of “Live Open D2 Gastrectomy for Gastric.”
 - d. Chaired a demonstration of “Live Laparoscopic D2 Gastrectomy for Gastric Cancer” by Prof. Yang – International faculty from Korea.
- vi. Attended the “International Summit on Emergency Medicine and Trauma -2014” held at JIPMER, Pondicherry from February 14 to 16, 2014.
 - a. Presented the following paper as co-author:
 - Knowledge and attitude of medical students on brain death and organ donation. This was selected for the Special Commendation prize in the oral category presentation.

Surgery

- vii. Attended the Apollo International Upper Gastrointestinal Surgery Update 2014 as invited faculty which was held at Chennai on 30th March 2014. Chaired the Guest lectures on.
 - a. Maintenance of surgical competence: New requirements for new millennium.
 - b. Management of proximal corrosive stricture of the esophagus.

Dr. D. Kadambari

Conferences Attended

- i. International Surgical week (ISW 2013) at Helsinki—presented a poster titled “Breast Conserving Surgery in Locally Advanced Breast Cancer Following Neoadjuvant Chemotherapy”
- ii. Co author of poster titled “Aromatase (CYP19) gene polymorphisms and the risk of arthralgia in breast cancer patients receiving adjuvant letrozole” that won the BSI (Breast Surgery International) best poster award in ISW 2013.
- iii. Attended the 1st Indo-British Advanced Master-Class In Oncoplastic Breast Surgery organized by International School of Oncoplastic Surgery from 31 January - 2 February, 2014 at Pune as delegate.

Dr. Vishnu Prasad N. R.

Conference Attended

- i. Attended 23rd National conference of the Indian Association of Surgical gastroenterology (IASG 2013) at Kolkata, 3rd – 6th Oct 2013.
- ii. Attended International conclave on Advanced Bariatric and Metabolic surgery on 21-22 September 2013 at Bangalore.
- iii. Attended 11th Annual conference of Indian chapter of International HepatoPancreato Biliary Association (HPB India 2014) at Mumbai on 9th – 12th January 2014.
- iv. Attended GH Gastro – Update 2013 on Hepatocellular carcinoma at MMC Chennai, on 24th August 2013.
- v. Attended Master class liver disease series 4 by Prof Rela, 31st Jan-2nd Feb 2014 at Chennai.
- vi. Attended 11th Biennial National Congress of Indian Association of Gastrointestinal Endosurgeons (IAGES) at Chennai –13th–16th February, 2014
- vii. Attended International summit on emergency medicine and trauma 2014 (ISMET) at JIPMER, on 15th February 2014

Papers Presented

- i. Overview of Gastrointestinal anastomoses—Presented in the CME-cum-Workshop on stapled gastrointestinal anastomotic techniques—Dept. of Surgery, JIPMER, February 2014
- ii. How we improved the outcome of acute upper Gastrointestinal bleeding at JIPMER? – Presented in ISEMT, JIPMER. February 2014.

Dr. Nanda Kishore Maroju

Conferences Attended

- i. International Surgical week, at Helsinki in August 2013. Presented a paper titled: Role of pre-operative drains in patients with peritonitis and severe sepsis at the International Surgical Week, Helsinki in August 2013.

Dr. G. S. Sreenath

- i. Attended advanced laparoscopic workshop in June 2013 at Maurya Sachkand hospital, Agra.
- ii. Participated in “Basic Epidemiology” CME program, held in November 2013, organized by department of Preventive and Social Medicine, JIPMER,
- iii. Attended disaster management workshop in February 2014 during ISEMT 2014 at JIPMER.

Dr. S. Manwar Ali

- i. Attended the International congress of Association of Minimal Access Surgeons of India in Indore 22-25 August 2013.
- ii. Participated in International conference of The Society of Wound Care and Research” Wound Care Con” in JIPMER in October 2013.
- iii. Participated in the hands on workshop on video editing and documentation held during International congress of Association of Minimal Access Surgeons of India in Indore 22-25 August 2013.
- iv. Participated in CME & Workshop on patient safety organised by JQC from 23rd-24th November 2013.
- v. Participated in workshop on curriculum development for framing curriculum of B.Sc AMS courses in JIPMER Academic Centre on 25.01.14.
- vi. Participated in International Summit on Emergency Medicine and Trauma organised in JIPMER from 14-16 Feb 2014.
- vii. Chaired a session in “Monothematic Conference in Suture Selection in Abdominal Surgery, anastomoses to closure” organized by Department of Surgical Gastroenterology, JIPMER on 13.04.13.
- viii. Course faculty for CME cum Workshop organised by Dept of Surgery on stapled gastrointestinal anastomoses from 22-23 Jan2014.

Presentations in Conferences and CME

- i. Presented a paper titled Chloroma Masquerading as Cellulitis of Lower Limb an unusual case report in International conference of The Society of Wound Care and Research” Wound Care Con” in JIPMER in October 2013.
- ii. Speaker in CME organised by Department of Transfusion Medicine JIPMER on Rational use of blood components on 18.01.14.
- iii. Co-author for poster presentation in IASG held In Kolkata from 2-6 October titled “Comparison of 2 days versus 5 days of octreotide infusion along with endoscopic therapy in preventing early rebleed from esophageal varices. A randomized controlled trial”.
- iv. Co author for paper presented in ISEMT 2014 JIPMER titled “Have we improved the outcome of upper GI bleed in JIPMER? ”.

Dr. S. Suresh Kumar**CONFERENCES/ Workshop/CME Attended**

- i. Participated in Advanced Trauma Life Support (ATLS) provider course held during April 23rd to 25th 2013 at Dr. R.M.L hospital, New Delhi.
- ii. Participated in workshop on setting up of MCQ conducted by Department of Medical Education held at JIPMER on 11th August 2013
- iii. Participated in the 8th International Congress of Association of Minimally Access Surgeons of India AMASICON International conference held at Indore Madhyapradesh during 23rd to 25th August 2013.
- iv. Participated in the hands on workshop on video editing and documentation held during the 8th AMASICON International conference held at Indore Madhyapradesh on 22nd August 2013.
- v. Participated in CME & Workshop on Patient Safety organized by JQC from 23rd-24th November 2013.
- vi. Organizing Core committee member for the in International Summit on Emergency Medicine and Trauma (ISEMT)- 2014 held during 14th February to 16th February 2014 at JIPMER
- vii. Participated in International Summit on Emergency Medicine and Trauma (ISEMT) - 2014 organised by JIPMER in association with ministry of health and family welfare during 14th to 16th February 2014

Surgery

- viii. Participated in Workshop on Trauma Ultrasound held on 13th February 2014 during ISEMT 2014 at JIPMER
- ix. Organizing secretary for the CME on Gastrointestinal Anastomotic Techniques held on 22nd February 2014.
- x. Organizing secretary and Course Faculty for the Workshop on Stapled Gastrointestinal Anastomotic Techniques held on 22nd and 23rd February 2014
- xi. Course Coordinator and course faculty for the 1st Basic Surgical Skills Course held on 30th March 2014, delivered an interactive lecture on Operating Room Etiquette.

PAPERS PRESENTED IN CONFERENCE

Presented the following papers as co-author: in the 2nd International and 7th National Annual Conference of The Society for Wound Care and Research WOUND CARE CON international conference held at JIPMER during 11th to 13th October 2013

Pondicherry, India

- i. Penoscrotal avulsion following machinery accident—a rare presentation of isolated genital traumatic wound. The paper won the award for best oral presentation.
- ii. Chronic lymphocytic leukemia presenting as necrotizing fasciitis - a case report
- iii. Cutaneous mucormycosis presenting as necrotizing fasciitis following intramuscular injection a case report
- iv. A rare case of ischiorectal abscess presenting with extensive abdominal wall abscess
- v. Necrotising fasciitis in takayasu arteritis—a case report of an unusual presentation

TV/Radio Programs

- i. Participated in public awareness program cum talk show on Developmental and Benign Breast diseases organized by DOORDHARSHAN, broadcasted on October 15, 2013
- ii. Participated in public awareness program cum talk show on Breast Cancer organized by DOORDHARSHAN, broadcasted on November 12, 2013

Dr. K. Balamourugan

- i. Participated in 67th National course on Educational Science for Teachers of Health Professionals, from 12.09.2013 to 21.09.2013 conducted by NTTTC, JIPMER.
- ii. Participated in international conference of “The Society of Wound Care and Research- Wound Care Con” in JIPMER in October 2013.
- iii. Participated in International Summit on Emergency Medicine and Trauma organized in JIPMER from 14–16 Feb 2014.
- iv. Participated in Workshop on Trauma Ultrasound held on 13th February 2014 during ISEMT 2014 at JIPMER.
- v. Participated as course faculty for CME cum Workshop organized by Dept of Surgery on Stapled Gastrointestinal anastomoses from 22-23 Jan 2014.
- vi. Participated as course faculty in CME cum ‘hands on’ training program on “1st Basic Surgical Skill Course” conducted on 30th March 2014, organized by the department of surgery and delivered a lecture on “Sutures and Needles”.

Dr. A. Anandhi

- i. Participated in International Summit on Emergency Medicine and Trauma (ISEMT)- 2014 organized by JIPMER in association with ministry of health and family welfare from February 14th to 16th
- ii. Participated in Workshop on Trauma Ultrasound held on 13th February 2014 during ISEMT 2014 at JIPMER.
- iii. Participated in Advanced Trauma Life Support (ATLS) provider course held at AIIMS from 20.02.14 to 22.02.14
- iv. Participated in National course on educational science for teachers of health professionals, from 06.03.2014 to 15.03.2014 conducted by NTTTC, JIPMER
- v. Participated in workshop on curriculum development for framing curriculum of B.Sc. AMS courses in JIPMER Academic Centre on 25.01.14

Dr. G. Balasubramaniam

- i. Participated in National course on educational science for teachers of health professionals, conducted by NTTTC, JIPMER from 20.02.1014 to 01.03.2014.

Dr. D. Shanmugam

- i. Participated as faculty in a “CME cum Workshop on Stapled Gastro-Intestinal Anastomotic Techniques” held on 22nd, 23rd of February 2014, organized by the department of surgery.
- ii. Participated as faculty in CME program on “Ist Basic Surgical Skill Course” conducted on 30th March 2014, organized by the department of surgery and delivered a talk on “gowning & gloving techniques”
- iii. Attended as a delegate in “International Summit on Emergency Medicine and Trauma (ISEMT) 2014”, held from 14th to 16th February 2014, at JIPMER, Pondicherry.
 - a. Had hands on training on “Ultrasound in Emergency department” in the preconference workshop.
 - b. Presented a paper titled “knowledge and attitude of medical students on brain death and organ donation” as a coauthor and was awarded a prize.
- iv. Participated in “Basic Epidemiology” CME program, held in November 2013, organized by department of Preventive and Social Medicine, JIPMER,
- v. Participated in CME and Workshop on patient safety organised by JQC from 23–24th November 2013, JIPMER.

Dr. Devajit Chowlek Shyam

- i. Participated as faculty in CME program, “Ist Basic Surgical Skill Course” conducted on 30th March 2014, organized by the department of surgery.
- ii. Faculty in CME-cum-workshop on stapled gastrointestinal anastomoses techniques conducted by department of surgery, JIPMER on February 22–23, 2014.

Dr. Gomathi Shankar. V

Participated as faculty in CME program, “Ist Basic Surgical Skill Course” conducted on 30th March 2014, organized by the department of surgery.

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project (From To...)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (completed in FY 2012-2013 or Ongoing)
1.	Dr. Suresh Kumar S	Comparison of skin closure technique with Nylon Suture, Stapler and Glue in Lichtenstein -tension free hernia meshplasty- A multi Armed Randomized Controlled Trial	2013-2014	NIL	Community Medicine	Ongoing
2.	Dr. Suresh Kumar S	Suture skin closure vs. Staple skin closure in Elective and Emergency Midline Laparotomy Incisions - A Randomized Controlled Trial	2013-2014	NIL	Community medicine	Ongoing
3.	Dr. D. Kadambari	Workplace based formative assessment as an educational tool	-	-	None	Ongoing
4.	Dr. D. Kadambari	Evaluation of self assessment of operating skills by Postgraduate residents in Surgery	-	-	None	Ongoing
5.	Dr Vikram Kate	Evaluation of the Helicobacter pylori stool antigen immunochromatographic test for the detection of Helicobacter pylori infection	March 2014 to December 2014	Extramural International Research grant of 10,000 US Dollars by Coris BioConcept, Gembloux, Belgium		Ongoing
6.	Dr Vikram Kate	Assessing risk factors for the development of Venous Thromboembolism (VTE) in surgical patients using Adapted Caprini Scoring System		Nil		Ongoing
7.	Dr Nanda Kishore Maroju	Audit system in the implementation of Surviving sepsis Guidelines	2011	Intramural grant of ₹15,000/-		Ongoing
8.	Dr Nanda Kishore Maroju	Early recovery after surgery for ileostomy closure	2012			Ongoing

PUBLICATIONS

1. Karthikeyan VS, Sistla SC, Srinivasan R, Basu D, Panicker LC, Ali SM, Rajkumar N. Metachronous multiple primary malignant neoplasms of the stomach and the breast: report of two cases with review of literature. *Int. Surg.* 2014 Jan–Feb; 99(1):52–55. doi: 10.9738/INTSURG-D-13-00056.1.PMID:24444270
2. Karthikeyan VS, Sistla SC, Ram D, Ali SM, Rajkumar N, Balasubramaniam G, Sanker MS. Spontaneous choledochoduodenal fistula with tuberculous duodenal ulceration. *Ann. R. Coll. Surg. Engl.* 2014 January;96(1):104E–105E. doi: 10.1308/003588414X13824511649292.PMID:24417856
3. Karthikeyan VS, Sistla SC, Badhe AS, Mahalakshmy T, Rajkumar N, Ali SM, Gopalakrishnan S. Randomized controlled trial on the efficacy of bilateral superficial cervical plexus block in thyroidectomy. *Pain. Pract.* 2013 Sep; 13(7):539–546. doi: 10.1111/papr.12022. Epub 2012 Dec 19.PMID: 23279371
4. Karthikeyan VS, Sistla SC, Ram D, Rajkumar N. Gastric volvulus following diagnostic upper gastrointestinal endoscopy: a rare complication. *BMJ. Case. Rep.* 2014 Feb 10;2014. pii: bcr2013202833. doi: 10.1136/bcr-2013-202833.
5. Kundra P, Subramani Y, Ravishankar M, Sistla SC, Nagappa M, Sivashanmugam T. Cardiorespiratory Effects of Balancing PEEP With Intra-abdominal Pressures During Laparoscopic Cholecystectomy. *Surg. Laparosc. Endosc. Percutan. Tech.* 2014 Jan 28. [Epub ahead of print] PMID:24477032
6. Prasanna BK, Sasikumar K, Gurunandan U, Sreenath GS, Vikram Kate. Rapunzel syndrome: A rare presentation with multiple small intestinal intussusceptions. *World. J. Gastrointest. Surg.* 2013; 5(10):282–284. <http://www.wjgnet.com/1948-9366/full/v5/i10/282.htm> DOI: <http://dx.doi.org/10.4240/wjgs.v5.i10.282>
7. Raj Gopal, Elamurugan TP, Vikram Kate, Jagdish S, Debdatta Basu. Standard triple versus levofloxacin based regimen for eradication of *Helicobacter pylori*. *World. J. Gastrointest. Pharmacol. Therapeutics* 2013;4(2): 23–27. <http://dx.doi.org/10.4292/wjgpt.v4.i2.23>.
8. Raj Gopal, Elamurugan TP, Hage S, Muthukumarassamy R, Vikram Kate. Retrograde jejuno-gastric intussusception following Braun's jejunojejunostomy. *World J. Clin Cases* 2014; 2: 187–190. doi:10.12998/wjcc.v2.i1.197
9. Rajkumar N, Karthikeyan VS, Manwar Ali S, Sistla SC, Vikram Kate. Clear Liquid diet versus soft diet in patients with mild acute pancreatitis as the initial meal – a randomized interventional trial. *Nutrition in Clinical Practice* 2013;28; 365–770. Doi 10.1177/0884533612466112
10. Ram D, Sistla SC, Karthikeyan VS, Ali SM, Badhe AS, Mahalakshmy T. Comparison of intravenous and intraperitoneal lignocaine for pain relief following laparoscopic cholecystectomy: a double-blind, randomized, clinical trial. *Surg. Endosc.* 2014 Apr;28(4):1291–7. doi: 10.1007/s00464-013-3325-5. Epub 2013 Dec 20. PMID:24357420. (Impact Factor – 3.43)
11. Ram D, Karthikeyan VS, Sistla SC, Ali SM. Solitary tubercular cecal ulcer causing massive lower gastrointestinal bleed – a formidable diagnostic challenge: report of a rare case. *BMJ Case Rep.* 2014 Mar 6;2014. pii: bcr2013201657. doi: 10.1136/bcr-2013-201657.PMID:24604794
12. Ram D, Karthikeyan VS, Sistla SC, Ali SM, Rajkumar N, Sridhar P. Spontaneous cecal perforation secondary to acute fulminant gastroenteritis: report of a rare case. *Annals of paediatric surgery.* 01/2014; Volume 10(Issue 1): Page 12–13.
13. Ramakrishnaiah VP, Babu R, Pai D, Verma SK. Role of Imprint/exfoliative cytology in skin neoplasm. *Indian J Surg Oncol.* 2013 Dec; 4(4):385–389. doi: 10.1007/s13193-013-0270-7. Epub 2013.
14. Ramakrishnaiah VP, Ramkumar J, Pai D. Intratumoural injection of absolute alcohol in carcinoma of gastroesophageal junction for palliation of dysphagia. *Ecancermedicalscience.* 2014 Feb 3; 8:395. doi: 10.3332/ecancer.2014.395.eCollection 2014.
15. Sadasivan J, Maroju NK, Balasubramaniam A. Necrotizing Fasciitis. *Indian J Plast Surg.* 2013 Sep; 46(3):472–478. Review. PMID: 24459334.
16. Sasikumar.K, Ravinder N, Sreenath G. S, Maroju NK. Axial Torsion of Gangrenous Meckel's Diverticulum Causing Small Bowel Obstruction. *J. Surg. Tech. Case Report | Jul-Dec 2013 | Vol-5 | Issue-2*

17. Sistla SC, Ramesh A, Karthikeyan VS, Ali SM, Ram D Subramaniam RV. Gossypiboma presenting as coloduodenal fistula - report of a rare case with review of literature. *Int. Surg.* 2014 Mar;99(2):126-31. doi: 10.9738/INTSURG-D-13-00057.1. PMID:24670021
18. Sugi Subramaniam RV, Karthikeyan VS, Sistla SC, Ali SM, Sistla S, Ram D, Sudhagar R. Melioidosis presenting as pseudomyxoma peritonei: yet another pretense of the great mimicker: an unreported entity. *Surg Infect (Larchmt)*. 2013 Aug;14(4):415-417. doi: 10.1089/sur.2012.140.PMID: 23965152 (Impact Factor - 1.87)
19. Sugi Subramaniam RV, Karthikeyan VS, Sistla SC, Ali SM, Sistla S, Vijayaraghavan N, Ram D. Intra-abdominal melioidosis masquerading as a tubercular abdomen: report of a rare case and literature review. *Surg Infect (Larchmt)*. 2013 Jun;14(3):319-321. doi: 10.1089/sur.2011.136. Epub 2013 Apr 12. PMID:23581631(Impact Factor - 1.87)
20. Vijayaraghavan N, Sistla SC, Kundra P, Ananthanarayan PH, Karthikeyan VS, Ali SM, Sasi SP, Vikram K. Comparison of Standard-pressure and Low-pressure Pneumoperitoneum in Laparoscopic Cholecystectomy: A Double Blinded Randomized Controlled Study. *Surg Laparosc Endosc Percutan Tech.* 2014 Apr;24(2):127-133. doi: 10.1097/SLE.0b013e3182937980.PMID: 24686347
21. Vikram Kate, Maraju NK, Ananthakrishnan N. Helicobacter pylori infection and upper gastrointestinal disorders. *Gastroenterology Research and Practice* Volume 2013, Article ID 8962092013;http://dx.doi.org/10.1155/2013/896209 (Editorial)
22. Vikram Kate, Kalayarasan R, Ananthakrishnan N. Sequential therapy versus standard triple-therapy for Helicobacter pylori eradication: a systematic review of recent evidence. *Drugs* 2013;73:815-824.doi 10.1007/s40265-013-0053-z.
23. Vishnu Prasad NR, Karthikeyan M, Vikram Kate, Parthasarathy R, Reddy KS. Palliative radiotherapy in esophageal cancer. *Ind. J. Surg* 2013; http://dx.doi.10.1007/s12262-013-0817-4.
24. Vishnukumar S, Umamaheswaran G, Anichavezhi D, Indumathy S, Adithan C, Srinivasan K, Kadambari D. P-glycoprotein expression as a predictor of response to neoadjuvant chemotherapy in breast cancer. *Ind. J. Cancer.* 2013 Jul-Sep;50(3):195-9. doi: 10.4103/0019-509X.118726. PubMed PMID: 24061458.
25. Umamaheswaran G, Dkhar SA, Kalaivani S, Anjana R, Revathy M, Jaharamma M, Shree KM, Kadambari D, Adithan C. Haplotype structures and functional polymorphic variants of the drug target enzyme aromatase (CYP19A1) in South Indian population. *Med. Oncol.* 2013;30(3):665. doi: 10.1007/s12032-013-0665-x. Epub2013 Jul 28. PubMed PMID: 23893151.

PATIENT CARE SERVICES

Outpatient Services

- i. Outpatient Consultation: 107,115 patients.
 - a. New patients - 41814
 - b. Review patients- 65301
 - c. Daily average- 357
- ii. Special clinic attendance (Cancer clinic)
 - a. Male- 720
 - b. Female - 2984
 - Total- 3704

Operative Procedures

- i. Major OT
 - a. Elective - 1691
 - b. Emergency - 1641

- ii. Minor OT:
 - a. Elective – 2,161
 - b. Emergency – 3,718

Laboratory Service

Side Lab facility with one Technical Assistant.

- i. Blood: 46,945
- ii. Urine: 30,202
- iii. Stools: 9,269

Endoscopy Services

- i. Diagnostic – 4,322
 - a. Upper GI – 4,020 cases
 - b. H pylori – 449 cases
 - c. Lower GI – 366 cases
- ii. Therapeutic – 262 cases
 - a. Endoscopic variceal ligation (EVL) 125
 - b. Endoscopic sclerotherapy (EST): 43
 - c. Endoscopic balloon dilatation: 60
 - d. Endoscopic stenting procedures: 3
 - e. Others 40

AWARDS AND HONOURS

Dr. Vikram Kate

- a. Was Elected as the National President-Elect-2013–2014 of the Indian Association of Surgical Gastroenterology.
- b. Appointed as a Member on the Editorial Board of the “International Journal of Advanced Medical Research”, official International Journal published by JIPMER.
- c. Presented a paper as a co-author entitled “Knowledge and attitude of medical students on brain death and organ donation” at the International Summit on Emergency Medicine and Trauma-2014” held at JIPMER, Pondicherry from 14th to 16th February 2014. This was selected for the Special Commendation prize in the oral category presentation.

Editorial Board Member

- a. Gastroenterology Research and Practice
- b. Chief Editor for Medscape Reference Gastrointestinal Procedures Section
- c. World Journal of Critical Care Medicine
- d. ISRN Gastroenterology

PEER REVIEWER FOR JOURNALS

International

- i. The Surgeon (Journal of The Royal College of Surgeons of Edinburgh and Ireland)
- ii. Medical Science Monitor
- iii. Case Reports in Gastroenterology
- iv. African Journal of Microbiology Research
- v. Surgical Science

Surgery

- vi. Gastroenterology and Hepatology Research
- vii. World Journal of Gastroenterology
- viii. World Journal of Gastrointestinal Surgery
- ix. World Journal of Gastrointestinal Endoscopy
- x. ISRN Gastroenterology
- xvi. Gastroenterology Research and Practice
- xvii. Clinics and Research in Hepatology and Gastroenterology
- xviii. International Journal of Advanced Medical Research
- xiv. BMJ Case Reports

National

- i. National Medical Journal of India
- ii. Indian Journal of Pharmacology
- iii. Journal of Postgraduate Medicine
- iv. Indian Journal of Urology
- v. Tropical Gastroenterology
- vi. Indian Journal of Medical Sciences.
- vii. Indian Journal of Surgery
- viii. Indian Journal of Medical Microbiology
- ix. Indian Journal of Medical Research
- x. Journal of Pharmacology and Pharmacotherapeutics

Dr. Vishnu Prasad N. R.

Visiting fellowship

Centre Hepatobiliary and Liver transplantation, Hospital Paul Brousse, University Paris-Sud, Villejuif, Paris, France , June 2013

Examiner

Appointed as Appraiser for DNB course for Dept. of Surgery, General Hospital, Puducherry, Dec 2013

Corporate Activity

Elected as executive member of Indian Association of Surgical Gastroenterology 2013–2015

Peer reviewer for journals

- i. Reviewer for E cancer medical Science Journal
- ii. Reviewer for International Journal of Medicine and Public Health
- iii. Reviewer for Journal of Mahatma Gandhi Institute of Medical sciences
- iv. Reviewer for International Journal of Advanced Medical Research

Dr. Nanda Kishore Maroju

- i. Organizing secretary of the International Summit on Emergency Medicine and Trauma (ISEMT 2014) at JIPMER, Pondicherry
- ii. Editorial Board member of
 - a. Gastroenterology Research and practice
 - b. International Journal of Advanced Medical Research

Dr. S. Manwar Ali

- i. Lifetime member of The Society for Wound Care and Research.
- ii. Recognized as ATLS provider after passing the ATLS course organized by RML Hospital New Delhi from 25–27 April 2013

- iii. Lifetime member of Association of Surgeons of India
- iv. Co author for the paper selected for Bursary Award by Indian Association of Surgical Gastroenterologists in Kolkata Conference of IASG October 2–6, 2013.

Dr. S. Suresh Kumar

- i. Qualified the exam conducted by the American college of trauma surgeons for Advanced Trauma Life Support provider held during April 23rd to 25th 2013 at Dr. R.M.L hospital, New Delhi and certified for the same.
- ii. Identified as having ATLS Instructor Potential and enrolled for the course in apex trauma centre New Delhi

Peer Reviewer for Journals

- i. Reviewer for the international journal South African medical journal (SAMJ)
- ii. Reviewer for the international journal Gastroenterology Research and Practice

Dr. A. Anandhi

Identified as a potential candidate for ATLS instructor course.

Dr. D. Shanmugam

Member of Association of Surgeons of India (ASI).

Dr. Devajit Chowlek Shyam

Peer Reviewer for Journals

- i. Clinical research on foot and ankle
- ii. Annals of African medicine
- iii. International journal of advanced medical research
- iv. Gastroenterology research and practice

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. K. Srinivasan

- i. Officer in charge
 - a. Surgical Oncology
 - b. Engineering division
- ii. Member Secretary
 - a. Sponsored clinical trial committee

Dr. S. Jagdish

- i. Appointed as Professor and Head of Emergency medical services department JIPMER from July 2013
- ii. Entrusted with starting the first Postgraduate Degree course Emergency Medicine in JIPMER from April 2014
- iii. HOD in charge Pediatric surgery and Cardio-thoracic surgery
- iv. Member of the Core committee of ISEMT 2014 held in JIPMER February 2014
 - v. Chairman of Registration committee ISEMT 2014
- vi. Member of the selection Board for faculty appointments to NEIGRIHMS Shillong November 2013

Surgery

- vii. Member of Expert Committee to selecting high end equipment for NEIGRIHMS January 2014
- viii. Adviser' to the UPSC to help select General Duty Medical Officers[GDMO] for the Delhi administration [March-April 2014]

Examinership

- i. National Board of examinations
 - a. Co-coordinator examiner in General Surgery- JIPMER Centre-April and October 2013
 - b. External examiner in General surgery NBE exams- Maulana Azad Medical College September 2013
- ii. Delhi University
 - a. External Examiner in surgery- University College of Medical Sciences April and October 2013

Dr. S. Sarath Chandra

- i. Bio-safety officer
- ii. Chairman of the annual report committee
- iii. Member of the JIPMER Student Counselling Committee

Dr. Vikram Kate

Memberships in Official Committees

- i. Member-Secretary JIPMER Undergraduate Research Monitoring Committee.
- ii. Member – Ph.D. Research Monitoring Committee.
- iii. Appointed as Faculty of Academic Affairs at JIPMER, Pondicherry in January 2014.
- iv. Special Invitee – JIPMER Scientific Advisory Committee & Sub-Committee.
- v. Leader, Internal Clinical Assessment Cell for MBBS undergraduate students.
- vi. Member of the Condemnation Committee for departments in SSB, JIPMER.
- vii. Member of the Specialty Advisory Board for General Surgery for National Board of Examinations, New Delhi (2012-13).

EXAMINERSHIP

- i. Examiner for the Intercollegiate MRCS Part B OSCE Examination conducted by the Royal College of Surgeons, Edinburgh, UK held at Chennai on 2nd and 3rd December 2013.
- ii. Examiner for the DNB examination in General Surgery at UCMS & GTB Hospital, New Delhi , AFMC Pune, JIPMER, Pondicherry.
- iii. Professor –Coordinator for DNB examinations held at JIPMER (2013).

Others

President JIPMER Officers' Club.

Dr. D. Kadambari

- i. Member of the PG research monitoring committee
- ii. Member of library committee
- iii. Resource person of NTTTC
- iv. Member of the Invitation Committee of the ISEMT 2014 held at JIPMER, Pondicherry from 14–16th February, 2014.
- v. Coordinator of the invitation committee for the 3rd Convocation of JIPMER.

Dr. Nanda Kishore Maroju

- i. Member of the Expert advisory committee on IT for Institutes of National Excellence, Ministry of Health and Family Welfare, Government of India
- ii. Member of the Steering committee on Trauma and Emergency for Institutes of National Importance, Ministry of Health and Family Welfare, Government of India
- iii. Resource person/faculty for the National Course on Educational Science for Healthcare Personnel
- iv. Course coordinator for Emergency Medical Technician Course

Dr. S. Manwar Ali

- i. Member of Hospital Biomedical Waste Management Committee
- ii. Member of Hospital Crowd Control Committee
- iii. Examiner for B.Sc. OT Technology Course
- iv. Question Setter for B.Sc OT Technology course
- v. Nodal Facilitator for OT Technology Course
- vi. Thesis evaluator for Dr. NTR University of Health Sciences Vijayawada for MS Surgery

Dr. S. Suresh Kumar**Memberships in Official Committees**

- i. Member of Jipmer campus security council.
- ii. Member of hospital crowd management committee.

Educational Activities

- i. Mentorship program for MBBS students who failed more than once in final examination
- ii. Special Medical terminology classes for Medical Record Officers (MRO) and technicians

Dr. K. Balamourougan

Coordinator for M.B.B.S Surgery Clinical Examination in December 2013.

Dr. A. Anandhi

Facilitator for the B.Sc. OT technology course

Surgical Gastroenterology

FACULTY LIST

- | | | |
|-------------------------|---|-----------------------------------------|
| 1. PROFESSOR AND HEAD | : | Vikram Kate |
| 2. ASSISTANT PROFESSORS | : | i. Biju Pottakkat
ii. Kalayarasan R. |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of Surgical Gastroenterology at JIPMER is functioning in JIPMER since last 3 years. The department started M.Ch Surgical Gastroenterology course in August 2011 (2 seats/year). Currently there are six senior residents in the department. The bed strength is 26 in-patient beds; 20 general ward beds and six ICU beds.

The department provides care to all variety of complex surgical Gastroenterology cases, including hepatobiliary, pancreatic, esophageal, colorectal and minimal access surgical procedures. Department is also conducting various research projects related to these areas in collaboration with allied departments.

EDUCATIONAL COURSES

Started M.Ch in Surgical Gastroenterology (two seats) in August 2011. Presently there are 6 M.Ch (three batches) residents in the department.

CONFERENCES AND CME'S ORGANIZED BY THE DEPARTMENT: (BIJU POTTAKKAT)

- i. Sixth certificate course in HPB surgery from August 28 to September 1, 2013.
- ii. Five meetings of Puducherry gut club.
- iii. Monothematic conference on brain death on September 21, 2013, JIPMER.
World ostomy day at JIPMER November 16, 2013.
- iv. Second simulation courses in basic laparoscopy, on February 22, 2014 at JIPMER.
- v. Basic surgical skills course January 2014, JIPMER.
- vi. Nursing skills course March 2014.

CONFERENCES AND CME'S ATTENDED BY THE FACULTY

Achievements—Dr. Vikram Kate—Professor of Surgical Gastroenterology (2013–2014)

- i. Attended the “*Workshop on Question Paper Setting*” organized by the department of Medical Education, JIPMER, Pondicherry on July 7, 2013.
- ii. Attended the “*Workshop on setting Multiple Choice Questions*” organized by the department of Medical Education, JIPMER, Pondicherry on August 11, 2013.

- iii. Hosted the *6th Certificate Course in Hepato-Pancreato-Biliary Surgery* under the auspices of the International Hepato-Pancreato-Biliary Association (IHPBA)—Indian Chapter at JIPMER, Pondicherry from August 28 to September 1, 2013, as the Chairman Organizing Committee. Delivered a lecture demonstration on “*Flexible operative choledochoscopy*”.
- iv. Attended the XXIIIrd National Conference of the Indian Association of Surgical Gastroenterology held at Kolkata from October 2 to 6, 2013.
 - a. *Participated as a faculty—panelist in a Panel Discussion on “Biliary Injury”.*
 - b. Participated as faculty in a breakfast session on “*How to write and how to present a paper*”.
 - c. Judged the poster session on “*Liver and Miscellaneous-Section disorders*”.
- v. Hosted the *Ostomy-CME* and celebrated the *Ostomy-Day* at JIPMER, Pondicherry on November 16, 2013 and participated as a faculty in the Panel Discussion on “*Difficult Stoma—Management issues and Case discussions*”.
- vi. Attended the 73rd Annual conference of the Association of Surgeons of India (ASICON—2013) held at Ahmedabad from December 25 to 29, 2013.
 - a. Delivered a lecture in the CME on “*G.I. Injury—Enterocutaneous fistula*”.
 - b. Moderated a Panel Discussion on “*Colorectal Reconstructions*”.
- vii. Attended the International Workshop and Conference on Gastric Cancer held at Chennai on January 24 and 25, 2014.
 - a. Chaired and participated in an International Tele-Panel on “*Epidemiology and Molecular basis of Gastric Cancer*”.
 - b. Moderated an International Tele-Panel on “*Staging Strategies in Gastric Cancer*”.
 - c. Participated as a panelist on demonstration of “*Live Open D2 Gastrectomy for Gastric Cancer*” by Prof. Yang—International faculty from Korea.
 - d. Chaired a demonstration of “*Live Laparoscopic D2 Gastrectomy for Gastric Cancer*” by Prof. Yang—International faculty from Korea.
- viii. Attended the “*International Summit on Emergency Medicine and Trauma—2014*” held at JIPMER, Pondicherry from February 14 to 16, 2014.
 - a. Presented the following paper as co-author:
 - b. Knowledge and attitude of medical students on brain death and organ donation. *This was selected for the Special Commendation prize in the oral category presentation.*
- ix. Attended the Apollo International Upper Gastrointestinal Surgery Update 2014 as invited faculty which was held at Chennai on March 30, 2014. Chaired the Guest lectures on
 - a. Maintenance of surgical competence: New requirements for new millennium.
 - b. Management of proximal corrosive stricture of the esophagus.

Dr. Biju Pottakkat—Assistant Professor

- i. Attended international conference on digital libraries at Delhi, November 27–29 2013.
- ii. Invited speaker at IHPBA annual conference Mumbai January 9, 2014.
- iii. Chairperson at the CME on wound care, JIPMER, October 2013.
- iv. Speaker—Extended resections in carcinoma gall bladder, IHPBA certificate course, JIPMER, August 2013.
- v. Speaker—Segment 4B/5 resection, IHPBA certificate course, JIPMER, August 2013.
- vi. Panelist—Panel discussion- Parenteral nutrition protocols, Nutrition summit, JAIPUR, June 2013.
- vii. Speaker—Lead talk—Setting up of advanced laparoscopic surgery unit—Our experience, JSS meeting March 2014.

Dr. Kalayarsan R—Assistant Professor

- i. Hosted the *6th Certificate Course in Hepato-Pancreato-Biliary Surgery* under the auspices of the International Hepato-Pancreato-Biliary Association (IHPBA)—Indian Chapter at JIPMER,

- Pondicherry from August 28 to September 1, 2013, as the Joint organizing secretary. Delivered lectures on Cysts and rare tumors of pancreas—a pictorial image essay Portal hypertension—liver, spleen, varices, artery, vein and stones: a pictorial image essay.
- ii. Attended the XXIIIrd National Conference of the Indian Association of Surgical Gastroenterology held at Kolkata from October 2 to 6, 2013. Presented the following papers as co-author
 - a. Acute on chronic EHPVO: Distinct clinical entity. Awarded second best poster prize.
 - b. Chronic pancreatitis with benign biliary obstruction: Single center experience of 40 patients.
 - c. New technique of laparoscopic splenectomy with modified lateral port placement.
 - iii. Hosted the *Ostomy-CME* and celebrated the *Ostomy-Day* at JIPMER, Pondicherry on November 16, 2013 and participated as a faculty and delivered lecture on “*Types of stoma*”.
 - iv. Hosted the Nursing skills course—Gastrointestinal staplers and participated as a faculty and delivered lecture on “*Hand sewn vs stapled anastomosis*”.
 - v. Hosted the simulation course in basic laparoscopy (three sessions) and participated as a faculty and delivered lecture on “*Basic principles of laparoscopy*”.
 - vi. Hosted the nursing skills on gastrointestinal staplers and participated as a faculty and delivered lecture on “*Hand sewn vs stapled anastomosis*”.
 - vii. Attended the International Workshop and Conference on Gastric Cancer held at Chennai on January 24 and 25, 2014.
 - viii. Attended the 11th World Congress of the International Hepato-Pancreato-Biliary association (IHPBA) held at Seoul, South Korea between March 22 and 27, 2014 and presented following papers.
 - ix. Abdominal wall scar recurrence in incidental gallbladder cancer is not always disseminated disease.
 - x. Adjacent viscera involvement in gallbladder cancer: Is aggressive resection worthwhile?
 - xi. Laparoscopic left hepatectomy (video).
 - xii. Gallbladder cancer with right hepatic artery involvement: Can the artery be ligated?
 - xiii. Minimally invasive vs. conventional open surgical approach of radical cholecystectomy for gallbladder cancer: A comparative study.
 - xiv. Acute on chronic EHPVO: Distinct clinical entity (Co-author).
 - xv. Pancreatic fluid culture in chronic pancreatitis: a prospective study (Co-author).

Research Projects

S. No	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Department	Status
1.	Dr. Vikram Kate	Evaluation of the Helicobacter pylori stool antigen immunochromatographic test for the detection of Helicobacter pylori infection.	8–9 months	Extramural International Research grant of 10,000 US Dollars by Coris BioConcept, Gembloux, Belgium	Nil	Ongoing
		Assessing risk factors for the development of Venous Thromboembolism (VTE) in surgical patients using adapted caprini scoring system.	8 months	Nil	Nil	Ongoing

2.	Dr. Biju Pottakkat	Roux loop emptying pattern after hepaticojejunostomy—mebrofenin scintigraphy emptying.	2 years	No funding	–	Ongoing
		Anatomical ramifications of portal vein and its classification based on triple phase CT.	2 years	No funding	–	Ongoing
		Pathological and radiologic response in patients undergoing esophagectomy after neo-adjuvant chemoradiation for carcinoma esophagus	2 years	No funding	–	Ongoing
		Bacteriological profile of pancreatic fluid in patients with chronic calcific pancreatitis.	2 years	No funding	–	Ongoing
		Clinicopathological correlation with positive malignant cell cytology of gastric and peritoneal lavage in patients with gastric cancer.	2 years	No funding	–	Ongoing
3.	Dr. Kalayarasan R.	Can early estimation of drain fluid amylase predict pancreatic fistula following pancreatic surgery—a pilot study.	2014–2015	None	Departmental	Ongoing
		Thoracoscopic esophagectomy for esophageal cancer in prone position—a prospective observational study.	2014–2015	–	Anaesthesiology	Ongoing

PUBLICATIONS

Dr. Vikram Kate

1. Rajkumar N, Karthikeyan VS, Manwar Ali S, Sistla SC, and Vikram Kate. Clear liquid diet versus soft diet in patients with mild acute pancreatitis as the initial meal—A randomized interventional trial. *Nut. Clin. Pract.* 2013; 28; 365–70. Doi 10.1177/0884533612466112
2. Raj Gopal, Elamurugan TP, Vikram Kate, Jagdish S, and Debdatta Basu. Standard triple versus levofloxacin based regimen for eradication of *Helicobacter pylori*. *World J. Gastrointest. Pharmacol. Therapeut.* 2013; 4(2): 23–27. <http://dx.do.org/10.4292/1/wjgpt.v4.i2.23>.
3. Vishnu Prasad NR, Karthigeyan M, Vikram Kate, Parthasarathy R, and Reddy KS. Palliative radiotherapy in esophageal cancer. *Ind. J. Surg.* 2013; <http://dx.doi.10.1007/s12262-013-0817-4>.
4. Vikram Kate, Maraju NK, and Ananthakrishnan N. *Helicobacter pylori* infection and upper gastrointestinal disorders. *Gastroenterol. Res. Pract.* 2013, Article ID 8962092013; <http://dx.doi.org/10.1155/2013/896209> (Editorial)

5. Vikram Kate, Kalayarasan R, and Ananthakrishnan N. Sequential therapy versus standard triple-therapy for *Helicobacter pylori* eradication: A systematic review of recent evidence. *Drug*. 2013; 73: 815–24. doi 10.1007/s40265-013-0053-z.
6. Prasanna BK, Sasikumar K, Gurunandan U, Sreenath GS, and Vikram Kate. Rapunzel syndrome: A rare presentation with multiple small intestinal intussusceptions. *World J. Gastrointest. Surg.* 2013; 5(10): 282–284. <http://www.wjgnet.com/1948-9366/full/v5/i10/282.htm> DOI: <http://dx.doi.org/10.4240/wjgs.v5.i10.282>.
7. Raj Gopal, Elamurugan TP, Hage S, Muthukumarassamy R, and Vikram Kate. Retrograde jejuno-gastric intussusception following Braun's jejunostomy. *World J. Clin. Cases.* 2014; 2: 187–190. doi:10.12998/wjcc.v2.i1.197

Dr. Biju Pottakkat

Chapter in Books

1. Pottakkat B, Schulick RD, and Kapoor VK. Benign biliary strictures. *Surgery of Bile Ducts*. Elsevier, 2013, Editor S. Nundy.
2. Pottakkat B. Bedside laparoscopy. *Manual of ICU Procedures*. Elsevier, Editor G. Mohan, In Press.
3. Pottakkat B. Polyps, Benign lesions and malignant masquerades of gall bladder. *Text Book of Surgical Gastroenterology*. Editor PK Mishra, In Press.

Original Articles and Reports

1. Reddy J, and Pottakkat B. Primary biliary tuberculosis mimicking hilar cholangiocarcinoma—Report of a case. *Surgery Today*, In press.
2. Pottakkat B, and Vijayahari R. Hepatocellular carcinoma in a patient with Child B cirrhosis and portal hypertension managed by resection—Report of a case. *JIPMER J. Cancer*. August 2013.

Dr. Kalayarasan

- i. Vikram Kate, Kalayarasan R, and Ananthakrishnan N. Sequential therapy versus standard triple-therapy for *Helicobacter pylori* eradication: A systematic review of recent evidence. *Drug*. 2013; 73: 815–24. PubMed PMID: 23625272
- ii. Kalayarasan R, Javed A, Puri AS, Puri SK, Sakhuja P, and Agarwal AK. A Prospective Analysis of the Preoperative Assessment of Duodenal Involvement in Gallbladder Cancer. *HPB (Oxford)*. 2013; 15: 203–9. PubMed PMID: 23036027.
- iii. Kalayarasan R, Javed A, Sakhuja P, and Agarwal AK. Squamous variant of gallbladder cancer. Is it different from adenocarcinoma?. Kalayarasan R, Javed A, Sakhuja P, Agarwal AK. *Am. J. Surg.* 2013; 206: 380–5. PubMed PMID: 23827515.

PATIENT CARE SERVICES

- i. In patient services: Treated approximately 600 patient including patients with benign esophageal strictures, esophageal and stomach cancers, liver cancers, hydatid disease of liver, acute pancreatitis, chronic pancreatitis, pancreatic cancer, and colorectal cancer.
- ii. **OPD:** Approximately 3,000 patients were seen and managed in the OPD which runs 2 days a week, Monday and Friday.
- iii. **Ostomy clinic:** Ostomy clinic to serve patients with colostomy/ileostomy/urostomy, etc., started from November 2014 with two ostomy nurses. **iv. Endoscopy services:** Including diagnostic upper and lower GI endoscopies on 2 days of the week, Tuesdays and Thursdays. (Approximately 300 diagnostic Upper GI endoscopies and 50 colonoscopies done).

- v. **OT:** Around 250 surgeries performed in 2012/2013. (including trans hiatal and transthoracic esophagectomies, esophago coloplasties, major/segmental liver resections, portal vein embolization for liver tumors, splenorenal shunts for portal hypertension, Frey's procedure, Whipple's procedure, sphincter saving procedures for rectal cancer, restorative proctocolectomy for ulcerative colitis and Familial Adenomatous Polyposis, and various laparoscopic procedures (including laparoscopic splenectomy, laparoscopic colorectal procedures like hemicolectomy and lap LAR, and thoracoscopic esophageal mobilisation).
- vi. Laparoscopic liver resection started in March 2014.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Vikram Kate

- i. Was Elected as the National *President-Elect-2013–2014* of the *Indian Association of Surgical Gastroenterology*.
- ii. Appointed as a Member on the Editorial Board of the "*International Journal of Advanced Medical Research*", official International Journal published by JIPMER.
- iii. Presented a paper as a co-author entitled "*Knowledge and attitude of medical students on brain death and organ donation*" at the International Summit on Emergency Medicine and Trauma—2014" held at JIPMER, Pondicherry from February 14 to 16, 2014. This was selected for the *Special Commendation prize* in the oral category presentation.

Editorial Board Member

- i. *Gastroenterology Research and Practice*.
- ii. *Chief Editor for Medscape Reference Gastrointestinal Procedures Section*.
- iii. *World Journal of Critical Care Medicine*.
- iv. *ISRN Gastroenterology*.

Peer Reviewer for Journals

International

- i. The Surgeon (Journal of the Royal College of Surgeons of Edinburgh and Ireland).
- ii. Medical Science Monitor.
- iii. Case Reports in Gastroenterology.
- iv. African Journal of Microbiology Research.
- v. Surgical Science.
- vi. Gastroenterology and Hepatology Research.
- vii. World Journal of Gastroenterology.
- viii. World Journal of Gastrointestinal Surgery.
- ix. World Journal of Gastrointestinal Endoscopy.
- x. ISRN Gastroenterology.
- xi. Gastroenterology Research and Practice.
- xii. Clinics and Research in Hepatology and Gastroenterology.
- xiii. International Journal of Advanced Medical Research.
- xiv. BMJ Case Reports.

National

- i. National Medical Journal of India.
- ii. Indian Journal of Pharmacology.
- iii. Journal of Postgraduate Medicine.

Surgical Gastroenterology

- iv. Indian Journal of Urology.
- v. Tropical Gastroenterology.
- vi. Indian Journal of Medical Sciences.
- vii. Indian Journal of Surgery.
- viii. Indian Journal of Medical Microbiology.
- ix. Indian Journal of Medical Research.
- x. Journal of Pharmacology and Pharmacotherapeutics.

Dr. Kalayarasan

- i. Awarded the best poster-oral prize for presenting a paper entitled “Gallbladder cancer with right hepatic artery involvement: Can the artery be ligated?” in the 11th World Congress of the International Hepato-Pancreato-Biliary Association(IHPBA) held from March 22–27, 2014 in Seoul, South Korea.
- ii. Member of International Association of Surgeons, Gastroenterologists and Oncologists.
- iii. Member of International Society for Diseases of the Esophagus.
- iv. Member of Association of Surgeons of India.
- v. Member of Indian Society for Diseases of the Esophagus and Stomach.
- vi. Member of International Hepato-Pancreato-Biliary association (IHPBA) Indian chapter

Editorial Board Member

- i. *Journal of gastroenterology and hepatology research*

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Vikram Kate

Memberships in official committees

- i. Member-Secretary JIPMER Undergraduate Research Monitoring Committee.
- ii. Member—Ph.D. Research Monitoring Committee.
- iii. Appointed as *Faculty of Academic Affairs* at JIPMER, Pondicherry in January 2014.
- iv. Special Invitee—JIPMER Advisory Scientific Committee and Sub-Committee.
- v. Leader, Internal Clinical Assessment Cell for MBBS undergraduate students.
- vi. Member of the Condemnation Committee for departments in SSB, JIPMER.
- vii. Member of the Specialty Advisory Board for General Surgery for National Board of Examinations, New Delhi (2012–2013).

Examinership

- i. Examiner for the Intercollegiate MRCS Part B OSCE Examination conducted by the Royal College of Surgeons, Edinburgh, UK held at Chennai on December 2 and 3, 2013.

Others

- i. President JIPMER Officers' Club.

Dr. Kalayarasan R.

- i. Started thoracoscopic esophagectomy in prone position for carcinoma esophagus.
- ii. Started laparoscopic retrosternal gastric bypass for corrosive stricture esophagus.

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. A dedicated simulation lab started in the OPD area with seven simulators. Regular training programmes are being held every month for doctors and nurses.
- ii. Started Ostomy clinic with effect from November 2013.
- iii. Setup dedicated skills lab facilities in OPD block.
- iv. Established simulation liver radiology system.
- v. Acquired the following equipment in the year 2013/2014.
- vi. Laparoscopic surgery simulator system.
- vii. Laparoscopic surgery endotrainer system.
- viii. Total liver radiology simulator workstation myrian liver.
- ix. Robotic surgery simulator trainer system.
- x. Advanced laparoscopy/thoracoscopy system.
- xi. CUSA
- xii. Blood and fluid warmer.
- xiii. Surgical diathermy.
- xiv. Patient warming system.
- xv. USG machine.
- xvi. Mechanical ventilators two numbers.
- xvii. ECG machine for ICU.
- xviii. Infusion pumps.

JAWAHARLAL INSTITUTE OF POST GRADUATE MEDICAL EDUCATION AND RESEARCH, PUDUCHERRY-605006.

Department Of Surgical Gastroenterology

SGE/ANNUAL REPORT/002/

Date: 17.04.2014

To:

Chairman,
JIPMER News and Annual Report Committee,
Department of Medical Education,
JIPMER,
Puducherry-6.

Sir,

Sub: Submission of information Departmental activities
for the JIPMER Annual Report 2013-14.-Reg.

Ref: No. Annual Report/ 2013-14 Dtd. 22.03.2014

With reference to your circular referred above, enclosed please find the **Annual Report for the period from 01.04.2013 to 31.03.2014** in respect of department of Surgical Gastroenterology. Further, "I have personally verified the content, language and format of the Annual Report of the Department being submitted and found it in order".

Yours faithfully,

Dr. Vikram Kate
Professor and Head
Department of Surgical Gastroenterology

Surgical Oncology

FACULTY LIST

- | | | |
|-----------------------------------------|---|-------------------|
| 1. PROFESSOR AND HEAD OF THE DEPARTMENT | : | Ravikumar T.S. |
| 2. PROFESSOR AND OFFICER IN-CHARGE | : | Srinivasan K. |
| 3. ASSOCIATE PROFESSOR | : | Aravind Ramkumar |
| 4. ASSISTANT PROFESSOR | : | Prasanth Penumadu |

BACKGROUND INFORMATION OF THE DEPARTMENT

The department of surgical oncology deals with a wide range of cancers which include Head and Neck, Thoracic, Breast, Soft tissue, Gastrointestinal, Gynaecological and Urological malignancies. Over the year 2013 the unit has performed an increasing range of complex major surgeries in greater numbers. This has also been accompanied by a corresponding increase in the number of patients being referred to the unit. The department is actively involved in clinical research and various inter department tumour boards for optimal management of cancer patients.

In the year 2013 the department has started M.Ch surgical oncology programme with an intake of two students a year and has also trained senior residents (non M.Ch).

EDUCATIONAL COURSES

Higher Speciality Courses

M.Ch (Surgical Oncology)

CONFERENCES AND CMES ATTENDED BY FACULTY

Aravind R.

- i. Attended microvascular simulation course conducted at Chennai—April, 2013.

Prasanth Penumadu

- i. Attended Regional Paediatric Oncology Conference (REPOC) 2014 held at JIPMER, Puducherry on March 8 and 9, 2104.

Research Projects

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
1.	R. Aravind	Identification of Biomarkers that predict Lymphnode metastases in oral cancer	2 years	JIPMER ₹1,80,000	Pathology, JIPMER	Ongoing

PUBLICATIONS

1. Senthilkumar R, Neville JF, and Aravind R. Malignant thyroglossal duct cyst with synchronous occult thyroid gland papillary carcinoma. *Ind. J. Endocrinol. Metabol.* 17(5), 936.

PATIENT CARE SERVICES

The department of Surgical Oncology runs OPD services twice a week on Monday and Wednesday (~1,200 patients a year). We are equipped with 18 beds for inpatient care and an intensive care unit with four beds. We perform major surgeries on every Tuesday and alternate Friday. Minor procedures and fiberoptic laryngoscope and bronchoscopy are performed twice a week on Monday and Thursday.

Participation in Tumour Boards conducted by various departments from Monday to Thursday for better patient care and resident teaching.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Aravind R.

- i. Obtained fellowship in Thoracic Oncology from Department of Thoracic services, Tata Memorial Hospital, Mumbai—November 2013.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Aravind R.

- i. Member of JIPMER Quality council for Accreditation and Blood and Injection safety.
- ii. Member of Sports Purchase committee.

Prasanth Penumadu

- i. Member of Association of Surgeons of India (ASI).
- ii. Member of Indian Association of Surgical Oncology (IASO).

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. Installation of minimal access surgery equipment and started performing laparoscopic procedures.
- ii. Upgradation of patient care services with installation of ultrasonic coagulation device.

Transfusion Medicine

FACULTY LIST

- | | | |
|--------------------------------------|---|--------------------------------------------------------------|
| 1. PROFESSOR AND OFFICER
INCHARGE | : | i. Debdatta Basu
(From 01.07.2013 till date) |
| | | ii. Surendra Kumar Verma
(From 01.04.2013 to 30.06.2013) |
| 2. ASSISTANT PROFESSOR | : | i. Rajendra G Kulkarni
(From 01.08.2013 till date) |
| | | ii. Pratul Sinha
(From 01.04.2013 to 10.06.2013—Resigned) |

BACKGROUND INFORMATION OF THE DEPARTMENT

Department of Transfusion Medicine and Post Graduate course M.D in Transfusion Medicine and Immunohaematology were started from the Academic year 2009–2010 with an intake of one student per annum and two students have completed the course and presently one student is studying.

2013–2014 has been an eventful year in the Department of Transfusion Medicine. Blood bank Issue section was shifted from the Old In-patient block (two rooms) to the spacious New Super Specialty block with 10 Rooms.

The blood bank services were challenged by the epidemics, road traffic accidents, and obstetric and surgical emergencies. It was also a year where a large number of hematological malignancy cases were treated with autologous peripheral blood stem cell transplants. The autologous peripheral blood stem cell apheresis procedures for these patients were successfully carried out. The protocol for autologous peripheral blood stem cell apheresis was also standardized. Now platelet apheresis procedures are run regularly on a daily basis. The Blood bank was actively involved in supporting two cases of intrauterine transfusions for hemolytic disease of new born.

Felicitation program for regular voluntary blood donors and voluntary blood donation camp organizers was organized. This year we conducted a very high number of voluntary blood donation camps (78 camps). Voluntary blood donation awareness and AIDS awareness programs were conducted in various colleges, institutes and corporate houses. Similar awareness programs were carried out through television and radio as well.

Educational Courses

Undergraduate Courses

- i. Training of students undergoing internship in MBBS course.
- ii. Training of students undergoing internship in B.Sc. MLT course.
- iii. Training of students undergoing the B.Sc. Perfusion Technology course.
- iv. Lectures for students in MBBS 2nd professional, B.Sc. Nursing, MLT.

Postgraduate Course

- i. MD (Immunohaematology and blood transfusion).
- ii. Training of students undergoing MD (Pathology).

Higher Specialty Courses

Training of students undergoing DM (Hematology) course.

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

- i. Dr. Debdatta Basu, Professor and Officer In-Charge conducted the Zonal level ISHBT quiz competition at JIPMER on September 15, 2013 and the JIPMER team consisting of Mr. Sasikumar and Mr. Santosh Swaminathan were winners.
- ii. Mrs. Selvam Sree Ramachandraraj, Technical Supervisor, gave “**phone-in** live program” in Doordarshan on October 09, 2013. He also gave a talk about voluntary blood donation in All India Radio on October 22, 2013, interacting with the public and clarifying their doubts regarding voluntary blood donation.
- iii. In connection with month-long celebration of World Blood Donation Day 2013, we organized Felicitation of 40 regular voluntary blood donors and 60 regular voluntary blood donation camp organizers on October 31, 2013 at Conference Hall, SS Block, JIPMER under the aegis of Pondicherry AIDS Control Society.
- iv. Organized CME for JIPMER clinicians under the aegis of Pondicherry AIDS Control Society on “Rational Use of Blood Components” on January 11 and 18, 2014. 120 delegates, both faculty members and residents, participated the CME. The main thrust of CME was to highlight standard transfusion protocols and management of transfusion reactions along with establishing massive transfusion protocol and usage of blood substitutes in emergency cases.

CONFERENCES AND CMES ATTENDED BY FACULTY

- i. Dr. Rajendra G Kulkarni, Assistant Professor attended one day CME on “Recent Trends in Blood Banking” at Department of Pathology, Manakula Vinayaka Medical College Pondicherry on March 01, 2014.
- ii. Dr. Rajendra G Kulkarni, Asst. Professor was invited to give a lecture on “Automation in blood banking” at Manakula Vinayaka Medical College, Puducherry on March 01, 2014.
- iii. Dr. Rajendra G Kulkarni, Assistant Professor attended one day CME on “Transfusion support in Tertiary Health care” at Guindy, Chennai organized by Department of Transfusion Medicine, Tamilnadu Dr. M.G.R Medical University on March 14, 2014.

RESEARCH PROJECTS

No Research Projects

PUBLICATIONS

No Publications

PATIENT CARE SERVICES

Clinical Services

The blood bank provides round the clock services for issue of blood components for patients in JIPMER. The numbers of components prepared and issued in April 2013–March 2014 are

Transfusion Medicine

Component Name	Number of Components Prepared	% Change Over 2012–2013	Number of Components Issued	% Change Over 2012–2013
Packed red cell concentrate I.P	14,206	17	14,435	18
Fresh frozen plasma I.P	13,375	27	13,181	22
Platelet concentrate I.P	11,905	32	11,087	26
Single donor platelet I.P	184	45	237	98
Cryo precipitate I.P	1,520	98	1,105	161
Cryo poor plasma I.P	227	-29	265	56
Peripheral blood stem cell	17	850	17	850

Laboratory Services

The blood bank provides round the clock services for basic Lab investigations for patients in JIPMER. Some advanced investigations are done during routine hours only.

Routine Investigations

- i. Blood group for blood donors and patients.
- ii. Haemoglobin estimation for blood donors.
- iii. Direct Coombs' test.
- iv. Crossmatch.
- v. Transfusion reaction workup.

Advanced Investigations

- i. Indirect Coombs' test.
- ii. Antibody screen.
- iii. Antibody identification.
- iv. Blood group confirmation for blood donors and patients.
 - v. Donor screening for HIV, HBV, HCV, Syphilis, Malaria and Irregular antibodies.
- vi. Quality check for red cell, plasma, platelet components.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Nil

ADMINISTRATIVE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

- i. Dr. Rajendra G Kulkarni, Asst. Professor was involved in Blood bank inspection under Pondicherry Council of Blood Transfusion.
- ii. Dr. Rajendra G Kulkarni, Asst. Professor was appointed as member, Institute committee for stem cell research for JIPMER.
- iii. Dr. Rajendra G Kulkarni, Asst. Professor was appointed as member of JIPMER Quality Council.

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. Ours being a model blood bank a team of NACP IV visited our department on 18.01.2014 and appreciated our work.
- ii. Total number of donors 15,113 donors.

- iii. Total number of platelet apheresis procedures done 184 procedures.
- iv. Total number of peripheral blood stem cell apheresis 17 procedures.
- v. Total number of camps 78 camps.
 - a. In Pondicherry 52 camps.
 - b. In outside Pondicherry 14 camps.
 - c. In the blood bank 12 camps.
- vi. Totally, nine numbers of voluntary blood donation motivation and AIDS awareness lectures were given at various Institutes/Colleges.

Urology

FACULTY LIST

- | | | |
|-------------------------|---|------------------------------------------|
| 1. SENIOR PROFESSOR | : | Santosh Kumar |
| 2. PROFESSOR AND HEAD | : | Dorairajan L.N. |
| 3. ASSOCIATE PROFESSORS | : | i. Muruganandham K.
ii. Manikandan R. |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Urology Department was started in 1979 and was the first Urology Department to be established in any institution covered under the Central Health Service. Subsequently a M.Ch. (Urology) Super Speciality Degree Course was started in 1987. This was the first Super Speciality Degree Course started at JIPMER, Pondicherry and the first Urology Super Speciality Course to be established in any institution covered under the Central Health Service. The services provided by the department include paediatric endoscopy, urodynamics, image guided urological interventions, upper and lower urinary tract endourology, extracorporeal shock wave lithotripsy for renal stone treatment, reconstructive urology, treatment of urinary incontinence, treatment for sexual dysfunction and infertility in male, urological laparoscopy, genitourinary cancer surgery and renal transplant surgery was started in March 2012. Further strides in the field of renal transplantation were made with the start of laparoscopic live donor nephrectomy and subsequently in December 2013 deceased donor renal transplantation was started. The faculty members are engaged in research activities for optimising management of urological diseases relevant to the society.

EDUCATIONAL COURSES

Undergraduate Courses

- i. Lecture classes are taken for the students of M.B.B.S. course.
- ii. Lecture classes are taken for the students of B.Sc. (Nursing) course.
- iii. Classes are taken for the students of B.M.R.Sc. course.

Postgraduate Courses

- i. Training is imparted for students of the M.S. (General Surgery) course.

Higher Speciality Courses

- i. M.Ch. (Urology) Course.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Santosh Kumar

- i. Resource person in the IIIrd year PG Orientation Programme on Research Methodology on April 22, 23 and 25, 2013 at JIPMER, Puducherry.
- ii. Resource person in the workshop on Question Paper Setting on July 07, 2013 at JIPMER, Puducherry.
- iii. Resource person in the Interns Orientation Programme on July 15 and 16, 2013 at JIPMER, Puducherry.
- iv. Delivered Invited Talk on “Transformative Curriculum for Twenty-first Century” in Seminar on Recent Advances in Health Professional Education on July 19, 2013 at Mahatma Gandhi Medical College and Research Institute, Puducherry.
- v. Resource person in the Workshop on Setting Multiple Choice Questions on August 11, 2013 at JIPMER, Puducherry.
- vi. Resource person in the 67th National Course on Educational Science for Teachers of Health Professionals, September 12 to 21, 2013 at JIPMER, Puducherry.
- vii. Chaired a Scientific Session in 2nd International and 7th National Annual Conference of the Society for Wound Care and Research from October 11 to 13, 2013 at JIPMER, Puducherry.
- viii. Attended as a delegate the CME on Patient Safety organized by JIPMER Quality Council on November 23, 2013 at JIPMER, Puducherry.
- ix. Resource person in the Workshop on Curriculum Development for B.Sc. Allied Medical Sciences on January 25, 2013 at JIPMER, Puducherry.
- x. Participated as a delegate in scientific programme of International Summit on Emergency Medicine and Trauma from February 14 to 16, 2014 at JIPMER, Puducherry.
- xi. Resource person in the 68th National Course on Educational Science for Teachers of Health Professionals from February 20 to March 01, 2014 at JIPMER, Puducherry.
- xii. Resource person in the 69th National Course on Educational Science for Teachers of Health Professionals from March 06 to 15, 2014 at JIPMER, Puducherry.

Dr. Dorairajan L.N.

- i. Participated as a resource person in the Continuing Urological Education Program conducted by the Department of Urology, Christian Medical College, Vellore from June 7 to 8, 2013.
- ii. Participated as a resource person and discussant for the clinicopathological conference in the 24th Annual Conference of Association of Southern Urologists in Mysore from July 12 to 14, 2013.
- iii. Participated as a delegate in the Regional Workshop on Establishment of National Medical College Telemedicine Network conducted by the Ministry of Health and Family Welfare, Govt of India in JIPMER, Puducherry on August 16, 2013.
- iv. Attended as a participant the “Monothematic workshop on Brain Death” organised by the working group on Organ Donation, Puducherry and the Mohan Foundation, Chennai at JIPMER on September 21, 2013.
- v. Resource person for the DM/MCh P.G. Orientation Programme—2013 conducted from October 07 to 10, 2013 and delivered a talk on “Microtraining in journal presentation”.
- vi. Attended as a resource person the preconference workshop of USICON 2014 held on January 29 at All India Institute of Medical Sciences New Delhi.
- vii. Attended 47th Annual Conference of the Urological Society of India (USICON) held from January 30 to February 2 at Hotel Ashok, New Delhi and chaired a session on urological oncology on February 1, 2014.
- viii. Participated as a delegate in scientific programme of International Summit on Emergency Medicine and Trauma from February 14 to 16, 2014 at JIPMER, Puducherry.

- ix. Participated as a delegate the workshop on “Lifesaving Medical Equipment Management and Safety” at JIPMER on February 24, 2014.
- x. Participated as a resource person in the Workshop on medical writing conducted in the Medical College, Calicut by the Urological Association of Kerala on the March 16, 2014 and presented a lecture on “Writing a scientific article—Things to focus”.

Dr. Muruganandham K.

- i. Attended the monothematic conference “Suture selection in abdominal surgery—Anastomosis to closure” conducted at JIPMER on April 13, 2013 as a resource person and chaired a session on “selection of sutures and suture handling in laparoscopic surgery”.
- ii. Attended as a delegate live operative workshop on “Access for Safe PCNL” as a part of “Master Class in Urology Global Series—2013 on June 15 and 16, 2013 at Global Hospital, Chennai.
- iii. Attended as a delegate “3D” LAP-ENDO Fusion—2013 on August 3 and 4, 2013 at PVS memorial Hospital, Cochin, Kerala.
- iv. Attended as a delegate 10th International Conference of Nephrology, Urology and Transplant Society of the South Asian Association for Regional Cooperation from August 30 to September 1, 2013 at Hotel Green Park, Chennai.
- v. Attended as a resource person the JIPMER Nephrology Update-2013: Hypertension on September 24, 2013.
- vi. Attended 18th Annual Conference of Tamilnadu and Pondicherry Association of Urologists (TAPASUCON-2013) on September 28 and 29, 2013 at Trichy, Tamilnadu and chaired a session in pre-conference “Live operative workshop on Laparoscopy and Endo-urology” of TAPASUCON—2013 on September 27, 2013.
- vii. Participated as resource person and delivered a lecture on “Principles of Patient Safety and Quality and Overview of JIPMER Quality Council” in Nurses Orientation Program on November 20, 2013.
- viii. Participated as a faculty in CME and Workshop on Patient Safety held on 23rd and November 24, 2013 at JIPMER and delivered a lecture on “Human factors engineering towards patient safety”.
- ix. Attended as a delegate the preconference workshop of USICON 2014 held on January 29 at All India Institute of Medical Sciences New Delhi.
- x. Attended the 47th Annual Conference of the Urological Society of India (USICON) held from January 30 to February 2 at Hotel Ashok, New Delhi.
- xi. Attended as a delegate a “Seminar on Translational Research” organized by Division of Research, JIPMER on January 24, 2014 at JIPMER.
- xii. Attended as a delegate the Live Operative Workshop on Uro-oncology/Robotics on February 6, 2014 conducted as a part of “Apollo Cancer Conclave” at Hotel Hyatt, Chennai.
- xiii. Attended as a delegate the workshop on “Lifesaving Medical Equipment Management and Safety” at JIPMER on February 24, 2014.

Dr. Manikandan R.

- i. Attended the annual conference and chaired a session on “Best video category” of the Tamilnadu and Pondicherry urological society (TAPASU) held at Trichy from September 27 to 29, 2013.
- ii. Attended as a delegate the “3rd Live Advanced Laparoscopic Urology Workshop” held at the B.J. Medical College and Civil hospital, Ahmedabad on November 16 and 17, 2013.
- iii. Attended as a delegate the CME and Workshop on Patient Safety held on November 23 and 24, 2013 at JIPMER.
- iv. Attended as a resource person in the workshop on “Curriculum Development for B.Sc. (Operation theatre technology) course held at JIPMER on January 25, 2014.
- v. Attended the Executive Committee meeting of “TAPASU” on July 21, 2013 at Madurai.
- vi. Resource person for the “Simulation course in basic minimal access surgery” conducted by the Department of Surgical Gastroenterology, JIPMER.
- vii. Resource person in the DM/M.Ch Orientation Programme conducted by the Department of Medical Education, JIPMER.

PAPERS PRESENTED

Dr. Muruganandham K.

JIPMER Scientific Society

- i. Video on “Vascular control using simple and inexpensive intra corporeal sling during Laparoscopic Partial Nephrectomy” on August 13, 2013 in the category of innovation.
- ii. “Left Laparoscopic donor nephrectomy: Step by step description of technique” on October 30, 2013 at JIPMER, Pondicherry.
- iii. Video on “LESS nephrectomy Using conventional Instruments: Challenges and Innovations” on November 21, 2013.

JIPMER Nephrology Update-2013: Hypertension

- i. Presented “Surgical treatment for rare cause of hypertension” on September 24, 2013 in JIPMER Nephrology Update-2013: Hypertension

18th Annual Conference of Tamilnadu and Pondicherry Association of Urologists at Trichy (TAPASUCON-2013)

- i. Presented a poster on “Renal auto transplantation with ex vivo micro-vascular reconstruction for complex reno-vascular disease” at 18th Annual conference of Tamilnadu and Pondicherry Association of Urologists at Trichy, Tamilnadu.
- ii. Presented a video on “Left Laparoscopic donor nephrectomy: Step by step description of technique” at 18th Annual conference of Tamilnadu and Pondicherry Association of Urologists at Trichy, Tamilnadu.

Annual National conference of Urological Society of India (USICON-2014) at New Delhi from 30th January to 2nd February 2014

- i. Presented a video on “Single Incision Laparoscopic (SILS) urological procedures : Early JIPMER experience at USICON 2014 at New Delhi held from January 30 to February 2, 2014.
- ii. Presented a Moderated Poster on “Renal auto-transplantation for complex renal artery stenosis: Steps to optimize renal preservation.

The Following Papers were also Presented from the Department at Various Conferences

- i. Papers presented at the 18th Annual conference of Tamilnadu and Pondicherry Association of Urologists at Trichy, Tamilnadu.
- a. Puvai Murugan P, Muruganandham K, Dorairajan LN, Manikandan R, Kumar S, and Gupta S. Single stage laparoscopic nephrectomy and creation of lap assisted Mainz 2 pouch in a patient with extensive GUTB.
- b. Puvai Murugan P, Muruganandham K, Dorairajan LN, Manikandan R, Kumar S, and Kumar S. Laparoendoscopic single site surgery (LESS) nephrectomy using standard instruments—challenges and solutions.
- c. Sampath K, Muruganandham K, Parameswaran S, Dorairajan LN, Manikandan R, and Kumar S. Laparoscopic omental folding with catheter fixation as a salvage for CAPD catheter malfunction.
- d. Sampath K, Manikandan R, Murganandham K, Dorairajan LN, and Kumar S. PCNL in patients with musculoskeletal deformities.
- e. Verma A, Dorairajan LN, Kalra S, Manikandan R, Murganandham K, and Kumar S. Unusual prolapse of anterior urethral wall and anterior bladder wall unreported entity.
- f. Verma A, Manikandan R, Dorairajan LN, Kumar S, Agrawal N, and Murganandham K. Metastatic squamous cell carcinoma urinary bladder coexisting with tuberculosis in pelvic lymph nodes—an unreported entity.

- g. Kalra S, Manikandan R, Verma A, Dorairajan LN, Muruganandham K, and Kumar S. MESTK in a young female: A rare presentation.
- h. Kalra S, Manikandan R, Dorairajan LN, Muruganandham K, and Kumar S. Lymphangioliomyomatosis and angiomyolipoma a common association often undetected.
- ii. The following papers were presented from the Department of Urology at the 47th Annual National conference of Urological Society of India (USICON-2014) at New Delhi from January 30 to February 2, 2014.
 - iii. Muruganandham K, Puvai Murugan, Dorairajan LN, Manikandan R, and Kumar S. Single incision laparoscopic (SILS) urological procedures : Early JIPMER experience.
 - iv. Muruganandham K, Sampath K, Kalra S, Manikandan R, Dorairajan LN, and Kumar S. Renal auto-transplantation for complex renal artery stenosis: steps to optimize renal preservation.
 - v. Agrawal N, Murganandham K, Dorairajan LN, Manikandan R, and Kumar S. Audit of surgical complications of laparoscopic nephrectomy for variety of indications at JIPMER.
 - vi. Sampath P, Dorairajan LN, Manikandan R, Muruganandham K, Kumar S, and Kumar A. Is unilateral percutaneous nephrostomy sufficient for bilateral malignant ureteric obstruction? A prospective study in a tertiary care centre.
 - vii. Gupta S, Muruganandham K, Dorairajan LN, Biju P, Kumar S, Manikandan R, and Singh SP. Right adrenal pheochromocytoma with IVC tumour thrombus in a patient with Neurofibromatosis type I—A rare case.
 - viii. Gupta S, Muruganandham K, Dorairajan LN, Kumar S, and Manikandan R. Prostate carcinoma with isolated penile metastasis—a rare case report.

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project (From ... To...)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (Completed in FY 2013–2014 or Ongoing)
1.	Dr. L.N. Dorairajan	Correlation of serum prostate specific antigen (PSA) level and prostate cancer frequency in South Indian men: a hospital-based study.	1 year from April 2013 to March 2014	Not funded	Biochemistry and Pathology	Ongoing
2.	Dr. Muruganandham K.	“Effect of escalating energy strategy on outcome of Extra Corporeal Shock Wave Lithotripty (ESWL) for renal stones: A randomized controlled trial”	2 years (February 2013 to January 2015)	Rupees Two lakhs (₹200,000/-) JIPMER Intramural fund	Biochemistry	Ongoing
3.	Dr. Muruganandham K.	A retrospective analysis of operative technique and early outcome of laparoscopic ureteric reimplantation	1 year, From January 2013	Not funded	None	Completed

4.	Dr. Muruganandham K.	Efficacy of modified end to side radio-cephalic arterio-venous fistula for dialysis access on flow and patency rate- A randomized clinical study.	1 year, From January 2014	Not funded	None	Ongoing
5.	Dr. R. Manikandan	Assessment of sperm quality, oxidative stress and seminal oxidant activity in low-level leucocytospermia male infertility with doxycycline treatment: A prospective placebo randomized trial	1 year, From January 2013	Rupees Two lakhs ₹200,000/-) JIPMER Intramural fund	Biochemistry	Ongoing
6.	Dr. L.N. Dorairajan	Role of ultrasonography of urethra in predicting the outcome of visual internal urethrotomy performed for the treatment of urethral stricture disease.	2 years (August 2012 to July 2014)	Not funded	None	Ongoing

PUBLICATIONS

Journals

1. Ghosh B, and Dorairajan LN. Reply by the authors. *Urology*. December 2013; 82(6): 1454.
2. Karthikeyan VS, Manikandan R, Jacob SE, and Murugan PP. Metastatic squamous cell carcinoma urinary bladder coexisting with tuberculosis in pelvic lymph nodes. *BMJ Case Rep*. December 2, 2013; 2013. pii: bcr2013202173. doi: 10.1136/bcr-2013-2021
3. Venkateswaran R, Hamide A, Dorairajan LN, and Basu D. Reninoma: A rare cause of curable hypertension. *BMJ Case Rep*. May 15, 2013; 2013. pii: bcr2012008367. doi: 10.1136/bcr-2012-008367.
4. Ghosh B, Manikandan R, Dorairajan LN, and Kumar S. Auto-amputation of penis due to carcinoma: Still a threat in the era of modern medicine: Report of two cases. *Ind. J. Dermatol. Venereol. Leprol.* March–April 2013; 79(2): 224–6.
5. Zayapragassarajan Z, Kumar S, Ananthanarayanan PH, et al. Report on 66th national course on educational science for teachers of health professionals. *Educ. Med. J.* 2013; 5(4): 92.
6. Ghosh B, Dorairajan LN, Kumar S, and Basu D. Penile nodule with inguinal lymphadenopathy: Prostatic adenocarcinoma masquerading as penile cancer. *Ind. J. Urol.* January 2013; 29(1): 56–8.

Book Chapter

1. Srinivas DK, and Kumar S. Assessment of students. In: *Essentials of Medical Education*. Eds. Adhikari RK, Jayawickramarajah PT. Kathmandu: National Centre for Health Professions Education, 2013, 99–117.

PATIENT CARE SERVICES

Clinical

- i. OPD Services.
- ii. In patient urological care.
- iii. Urological consultancy service to other departments.
- iv. Open urological operations for adult and paediatric patients.
 - v. Adult and paediatric endoscopic upper and lower urinary tract diagnostic and therapeutic procedures.
 - vi. Adult and paediatric laparoscopic ablative and advanced reconstructive procedures.
- vii. Extracorporeal shock wave lithotripsy service.
- viii. Outpatient urological surgery and endoscopy.
 - ix. Image guided urological interventions.
 - x. Surgery for male infertility and sexual dysfunction.
 - xi. Surgery for vascular access for dialysis.
- xii. Renal transplant surgery including laparoscopic donor nephrectomy and deceased donor renal transplant surgery.
- xiii. Surgery for renovascular hypertension.

Laboratory

- i. Urodynamic studies.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Santosh Kumar

- i. Head of the Department of Medical Education till 30.06.2013.
- ii. Resource Person of National Teacher Training Centre.
- iii. Faculty Academic Affairs.

Dr. Dorairajan L.N.

- i. Member of the Editorial Committee of the Indian Journal of Urology.
- ii. President of the JIPMER Scientific Society from January 2013 to February 2014.
- iii. Course coordinator for Postgraduate Orientation program for DM/MCh students held from October 7 to 10, 2013.
- iv. Played a leadership role in setting up Deceased Donor Kidney Transplantation Surgery Program at JIPMER and lead the surgical team which performed the first deceased donor organ (kidney) harvesting in Pondicherry Union Territory, at JIPMER on December 5, 2013.

Dr. Muruganandham K.

- i. Played a significant role in setting up Deceased Donor Kidney Transplantation Program at JIPMER and lead the surgical team which performed the first deceased donor kidney transplantation in Pondicherry Union Territory, at JIPMER on December 5, 2013.
- ii. Underwent two week training program on Laparoscopic Donor Nephrectomy, Robotic radical Prostatectomy, Mini-Perc PCNL and Flexi RIRS at Muljibhai Patel Urological Hospital, Nadiad, and Gujarat from May 6 to 17, 2013 to avail “USI Member Travel Fellowship” 2013–2014.
- iii. Awarded Best video in the category “Pondicherry Video Prize” for the video “Left laparoscopic donor nephrectomy: Step by step video description of technique” at 18th Annual conference of Tamilnadu and Pondicherry Association of Urologists (TAPASUCON-2013).

- iv. Served as Organizing Secretary for the CME and Workshop on Patient Safety organized by JIPMER Quality Council on November 23 and 24, 2013.
- v. Served as core-group faculty for the Interns Orientation Program held on July 15 and 16, 2013 and conducted a case based training session on “Patient Safety and Error Prevention”.
- vi. Served as a faculty for Postgraduate Orientation program for DM/MCh students held from October 7 to 10, 2013 and conducted a group session on “Quality of Care, Patient Safety and Work place Safety”.
- vii. Served as a core-group faculty for the “Interns Orientation Program” held from January 8 to 10, 2014 and conducted a session on “Patient Safety”.
- viii. Performed many innovative and novel surgical procedures for the first time in JIPMER such as brachio-basilic arterio-venous fistula with primary basilic vein transposition for dialysis access, renal auto-transplantation with ex-vivo vascular reconstruction for complex renovascular hypertension, mini-perc PCNL in a 7 year old child with renal calculus, pneumo-vesicoscopic bilateral Cohen’s ureteric re-implantation for bilateral grade four vesico-ureteric reflux and laparoscopic radical cystectomy for bladder cancer.
- ix. Established the laparoscopic live donor nephrectomy program.

Dr. Manikandan R.

- i. Awarded best poster award for the paper “Metastatic squamous cell carcinoma urinary bladder co-existing with tuberculosis in pelvic lymph nodes- an unreported entity.” in TAPASUCON, 2014.
- ii. Council member of the Tamilnadu and Pondicherry Association of Urologists.

ADMINISTRATIVE EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Santosh Kumar

- i. Coordinator for the preparation of JIPMER Annual Report 2012–2013.
- ii. Coordinator for the preparation of JIPMER Input for Ministry’s Annual Report.
- iii. Coordinator for the preparation of Results Framework Document (RFD) of JIPMER for 2014–2015 and Performance Evaluation of Results Framework Document (RFD) of JIPMER for 2013-2014.
- iv. Member Secretary of JIPMER Scientific Advisory Committee.
- v. Member of JIPMER Scientific Advisory Sub-Committee.
- vi. Member of Intramural Research Fund Allocation Sub-Committee.
- vii. Member of JIPMER Committee on Insurance.
- viii. Member of Committee to start JIPMER online Journal.
- ix. Member of Institute Ethics Committee (Human Studies).
- x. Chairman of Institute Ethics Sub Committee.
- xi. Member of UG/PG Admission Committee.
- xii. Input provider to Committees for Annual Reports and JIPMER News.
- xiii. Examiner for conduct of MCh Urology Exam at JIPMER, Puducherry on July 29 and 30, 2013.

Dr. Dorairajan L.N.

- i. Member of the “Hospital Sutures and Disinfectants Monitoring Committee.” JIPMER, Puducherry.
- ii. Member of the Core Committee for the Implementation of the RNTCP in JIPMER, Puducherry.
- iii. Examiner for the National Board of Examinations in the subject of Genitourinary Surgery (Urology).
- iv. Vice President of the JIPMER Officers’ Club for the year 2013–2014.

Urology

- v. Officer-in-Charge of the Superspecialty Block Minor OT Complex.
- vi. Member Secretary of the Superspecialty Training Committee, JIPMER from September 2012 to August 2013.
- vii. Deputed by the MCI for the inspection of physical and other teaching facilities available at medical colleges for purpose of permitting starting or recognition of M.Ch. (Urology).
- viii. Nodal Officer for Fire Safety in Super Speciality Block, JIPMER.
- ix. Member, UG Research Monitoring Committee, JIPMER from 10-1-2014.
- x. Examiner and convenor for conduct of MCh Urology Exam at JIPMER, Puducherry on July 2013.

Dr. Muruganandham K.

- i. Convener of JIPMER Quality Council and Officer-in-Charge Patient Safety.
- ii. Ex-officio member of JIPMER Scientific Society till February 2014.
- iii. Member of Faculty-Residents Joint Committee from June 7, 2013.
- iv. Served as organizing secretary for “Patient Safety Week” from November 18 to 24, 2013 which had a week long programs like; Speech competition for students, Small group training session, Nurses orientation program, Rangoli Competition, Public education program, CME and Workshop on Patient safety.
- v. Working closely with administration to set-up “Quality improvement through medical audit process” and develop Key performance indicators for improving patient safety and quality at JIPMER.

Division

Neonatology

FACULTY LIST

- | | | |
|-------------------------|---|------------------------------------------|
| 1. PROFESSOR | : | B. Vishnu Bhat |
| 2. ASSOCIATE PROFESSOR | : | B. Adhisivam |
| 3. ASSISTANT PROFESSORS | : | i. Nivedita Mondal
ii. Nishad Plakkal |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Neonatology division has been an important segment of the Department of Pediatrics since inception providing robust clinical care and training in Neonatology. Ours is a level III busy NICU providing quality clinical services free of cost including CPAP, mechanical ventilation and surfactant therapy in addition to 24 X 7 neonatal resuscitation and emergency care for all neonates. DM Neonatology course was commenced in August 2009 with an aim to nurture competent super-specialists who would be capable enough to provide clinical care of the highest order to the newborn infants, and serve as future teachers, trainers, researchers and leaders in the field of Neonatology. With the initiation of PhD course in Neonatology from September 2010, research activities bringing science from bench to bedside and taking evidence to practice have been given a new thrust in the division. Our division was involved in National neonatal-perinatal data collection project and is known for the extensive research in neonatal sepsis and perinatal asphyxia including therapeutic hypothermia. The neonatology services have been brought under one roof in the newly commissioned JIPMER Women and Children hospital (JWCH).

EDUCATIONAL COURSES

- i. Undergraduate Courses**
 - a. M.B.B.S. course (2 batches).
- ii. Postgraduate Courses**
 - b. M.D (Pediatrics) -15 students per academic year from 2014.
- iii. Higher speciality courses**
 - c. D.M (Neonatology)—2 students per academic year.
- iii. Research Courses**
 - d. PhD in Pediatrics—Currently four scholars are working on neonatal topics.
- iv. Other courses**
 - e. We coordinate the training for both B.Sc. and M.Sc. Nursing students in Neonatology

CONFERENCES AND CMES ORGANIZED BY DEPARTMENT

Hands on Workshop on UCSC Genome Browser and Its Application in Medical Genomics

The Division of Neonatology organized the above workshop on November 27, 2013 at JIPMER Academic Centre. A total of 60 members (including staff and students) attended the workshop. Mr. Benet Bosco, PhD Scholar in Neonatology was the faculty.

National Newborn Week 2013

The Division of Neonatology celebrated the national newborn week (November 15–21, 2013) with greatest vigor. The whole week was studied with activities involving pediatricians, obstetricians, nurses, paramedical staff, medical and nursing students, public and media focusing on neonatal health and wellbeing.

Neonatal Resuscitation Workshop for Nurses

A workshop for staff Nurses in Neonatal Resuscitation was organized by the Department of Paediatrics on November 17, 2013 in College of Nursing, JIPMER. A total of 40 nurses from various institutes participated in this NRP-First Golden Minute project of Indian Academy of Paediatrics. Dr. Vishnu Bhat, Dr. P. Narayanan and Dr. B. Adhisivam were among the faculty.

Workshop on Advanced Neonatal Resuscitation Programme (NRP)

The Division of Neonatology in association with Indian Academy of Paediatrics (IAP) successfully conducted an **advanced Neonatal Resuscitation Programme (NRP) workshop on April 28, 2013** at JIPMER Academic Centre. Dr. B. Vishnu Bhat, Professor and Head, Department of Paediatrics, JIPMER inaugurated the Workshop. Thirty participants, mostly postgraduates in Paediatrics were trained successfully during the workshop. Among the participants 12 were from JIPMER including ten first year Paediatric postgraduates. The other participants were from other Medical colleges in Pondicherry and Chidambaram. Hands-on training in advanced Neonatal Resuscitation was imparted using manikins and appropriate audio visual aids. The faculty included the following:

- i. Dr. Alka Agarwal (Ghaziabad)—National Trainer
- ii. Dr. Jagdish Chandra (Hyderabad)—National Trainer
- iii. Dr. Narmada (Vellore)—National Trainer
- iv. Dr. Thiroumourougane Serane, State Co-ordinator, NRPFGM
- v. Dr. Narayanan, Assistant Professor, Paediatrics, JIPMER.
- vi. Dr. Adhisivam, Assistant Professor, Paediatrics, JIPMER
- vii. Dr. Shruthi, D.M. Neonatology Fellow, Paediatrics, JIPMER

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr B. Vishnu Bhat

- i. Participated in a Workshop on Pneumococcal Conjugate Vaccine: Impact Evaluation in India supported by Department of Biotechnology, Ministry of Science and Technology, New Delhi and John Hopkins on May 16 and 17, 2013.
- ii. Participated in HELIX Meeting (Hypothermia for Encephalopathy in Low Income Countries) at Chennai on June 15 and 16, 2013.
- iii. Organized the World Breast feeding week celebrations from August 1 to 7, 2013 in JIPMER. Delivered a talk on Breast feeding at PHC, Saram, Puducherry.

- iv. Attended Chennai PEDICON August 23, 2013 to August 25, 2013 and delivered a guest lecture on Brain chilling and co-authored the following papers which won various awards.
 - a. Dr. Balagopala Raju Award—“Effect of Kangaroo mother care in reducing pain due to heel prick among preterm neonates: A crossover trial”—Dr. B. Adhisivam—co-authors Dr. Ambiga, Dr. Manjula and Dr. B. Vishnu Bhat.
 - b. Dr. B.R. Santhana Krishnan Award—“Early versus late enteral prophylactic iron supplementation in preterm very low birth weight infants: A randomized controlled trial”—Dr. Rojo Joy—co-authors—Dr. Sriram Krishnamurthy, Dr. B. Adhisivam, Dr. B. Vishnu Bhat, Dr. Medha Rajappa and Dr. P.H. Ananthanarayanan.
 - c. Dr. T. Rajagopal Award—“Transport of sick neonates to JIPMER—a simple clinical score at arrival and its effect on outcome”—Dr. Deepak Rathod—co-authors Dr. B. Vishnu Bhat, Dr. B. Adhisivam.
- v. Attended Emergency Medicine and Critical Care Conference and chaired a session on Paediatric Emergency on September 7, 2013
- vi. Participated as faculty in NTTTC Workshop at JIPMER from September 12 to 26, 2013.
- vi. Attended Indian Journal of Paediatrics, Editors Meeting of IJP and grand rounds on 14 and 15th September, 2013 at New Delhi.
- vii. Attended Meeting of PG Curriculum committee at Bharthi Vidyapeetam, Mahatma Gandhi Medical College and Research Institute, Pondicherry on November 28, 2013.
- ix. Delivered Dr. Nagasamy oration at Madurai during the Tamil Nadu State Annual Neonatology Conference on November 9 and 10, 2013.
 - x. Co-author of award winning papers at Karnataka State NNF at Bangalore—“Does therapeutic hypothermia reduce DNA damage and influence neurodevelopmental outcome” from November 15 to 17, 2013.
- xi. Neonatal Resuscitation Workshop was organized for Nurses at Nursing College, JIPMER on November 17, 2013
- xii. Release of book ‘Delivered too soon’ was organized at Nursing College, JIPMER on 21st November 2013
- xiii. Attended as Guest of Honour for New Born Resuscitation programme at Mother Theresa Postgraduate and Research Institute, Pondicherry on November 23, 2013 and delivered a talk on ‘Initial steps of resuscitation.’
- xiv. Attended National Neonatology Forum annual Conference at Hyderabad—Chaired a session—Parent-centered Neonatal care. Panelist for topic ‘Noninvasive ventilation’
Papers presented:
 - a. Effect of therapeutic hypothermia on neurodevelopmental outcome at 30 months of age in term babies with perinatal asphyxia
 - b. Evaluation of a new SES (Syndrome Evaluation System) with blood culture in neonatal sepsis: an RCT
 - c. Evaluation of clofibrate in neonatal hyperbilirubinemia—a randomized controlled trial
- xv. STAG meeting at BIRAC (Biotechnology Industry Research Assistant Council)—Social innovative standing advisory group on December 20, 2013
- xvi. Delivered Guest lecture in AIIMS Patna—January 6 and 7, 2014
 - a. Professionalism in Medical Education
 - b. Breast feeding
 - c. Respiratory distress in newborn
- xvii. Attended CME on Rational use of Blood components at JIPMER on January 1, 2014
- xviii. Attended CME on HIV and chaired a session- ‘Early infant diagnosis’ ‘universal and standard procedure’ on January 24, 2014.
- xix. Participated in Panel discussion on ‘Neonatal care—where do we go wrong?’ at Eastcoast Pedicon, Pondicherry on March 9, 2014.
- xx. Participated as Faculty in NTTTC workshop from March 6, 2014 to March 15, 2014

Dr. B. Adhisivam

- i. Attended INCLEN Leadership and Management Program (LAMP) for health research course from 20 March to 2 April, 2014 at Faridabad, Haryana.
- ii. Attended the Signal Review Panel meeting of Pharmacovigilance programme of India (PvPI) on February 20, 2014 at Indian Pharmacopoeia Commission, Ghaziabad, Uttar Pradesh.
- iii. Attended the 6th Regional TOT at Indore on 7th and 8th January organized by IAP -Neonatal Resuscitation Program First Golden Minute Project (NRPFGM)
- iv. Attended Excellence in Paediatrics (EiP) 2013 Conference at Doha, Qatar (December 3–9, 2013) and presented a research paper (poster) titled “Effect of kangaroo mother care in reducing pain due to heel prick among preterm neonates: a crossover trial”
- v. Organized and coordinated Newborn week celebrations November, 15–21, 2013 at JIPMER
- vi. Part of the organizing team—International Summit on Emergency Medicine and Trauma (ISEMT 2014), February 14–16, 2014 at JIPMER
- vii. Organized workshop on NRP on November 17, 2013 at Nursing College, JIPMER
- viii. Organized and coordinated 10th East coast Pedicon 2014 on March 9, 2014 at Pondicherry.
- ix. Delivered a lecture on neonatal sepsis—CME “update on sepsis” on September 12, 2013 at JIPMER, Pondicherry
- x. Organized an advanced Neonatal Resuscitation Programme (NRP) workshop on April 4, 2013 at JIPMER Academic Centre under IAP NRPFGM project.

Dr. Nivedita Mondal

- i. Participated in “CME and Workshop on Patient Safety” on November 23 and 24, 2013 conducted by JIPMER Quality council, JIPMER
- ii. Participated in the 5th annual conference of Association of Child Neurology (AOCN) from February 7 to 9, 2014 conducted in Hyderabad by the AOCN and Pediatrics Epilepsy Society Hyderabad and Rainbow Hospital for Women and Children.
- iii. Attended Eastcoast Pedicon conducted in Pondicherry on March 9, 2014
- iv. Organized and coordinated Newborn week celebrations (November 15–21), 2013 at JIPMER
- v. Delivered a guest lecture in CME on ‘Obesity in Childhood’ conducted in Mother Teresa College of Nursing on September 12, 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 (completed in FY 2012–2013 or ongoing)
1.	Dr. B. Vishnu Bhat	Polymorphism in S100A9 gene in relation with disease susceptibility and outcomes in neonatal sepsis	2011–2014	Intramural Research Grant from JIPMER: ₹1,00,000 for 3 years	Microbiology	Ongoing
2.	Dr. B. Vishnu Bhat	Effects of Zinc supplementation on serum calprotectin level and inflammatory markers in neonatal sepsis – a double blind, randomized controlled trial.	2013–2016	ICMR ₹13.97 lakhs	Microbiology	Ongoing

3.	Dr. B. Vishnu Bhat	Effect of therapeutic hypothermia on DNA damage in perinatal asphyxia	2010–2013	Intramural Research Grant JIPMER ₹1,00,000 for 1 year	Anatomy	Completed
4.	Dr. B. Vishnu Bhat	Effects of narciclasine on induced inflammatory response in neonatal sepsis rat models	2013–2016	DBT 23.97 lac	–	Ongoing
5.	Dr. B. Vishnu Bhat	Epigenetic variation in relation with disease susceptibility and their outcomes in neonatal sepsis.	2013–2014	ICMR 6.74 lac	–	Ongoing
6.	Dr. B. Vishnu Bhat	Randomised trial of BCG in low-birth-weight babies <math><0x003C>2,000</math> gram (BLOW trial)	2013–2015		–	Ongoing
7.	Dr. B. Vishnu Bhat	Perinatal risk stratification of preterm neonates and developmental outcomes—multi-centre study	2013–2015		CDC, Trivandrum	Ongoing
8.	Dr. B. Vishnu Bhat	Evaluation of efficacy of new molecular based diagnostic system (SES) in comparison to routine blood culture in neonatal sepsis	2012–2013	CSIR 10 lakhs	Microbiology	Completed
9.	Dr. B. Adhisivam	Postnatal counseling on exclusive breastfeeding using video	2012–2015	ICMR ₹7 lakhs	–	Ongoing

PUBLICATIONS

Journals

1. Gane B, Bhat BV, Adhisivam B, Joy R, Prasadkumar P, Femitha P, Shruti B. Risk Factors and Outcome in Neonatal Necrotising Enterocolitis. *Ind. J. Pediatr.* 2014 Jan 4. [Epub ahead of print] PubMed PMID: 24385263.
2. Gane BD, Bhat V, Rao R, Nandhakumar S, Harichandrakumar KT, Adhisivam B. Effect of Therapeutic Hypothermia on DNA Damage and Neurodevelopmental Outcome. Among Term Neonates with Perinatal Asphyxia: A Randomized Controlled Trial. *J. Trop. Pediatr.* 2013 Dec 16. [Epub ahead of print] PubMed PMID: 24343823.
3. Joy R, Krishnamurthy S, Bethou A, Rajappa M, Ananthanarayanan PH, Bhat BV. Early versus late enteral prophylactic iron supplementation in preterm very low birth weight infants: a randomised controlled trial. *Arch. Dis. Child. Fetal. Neonatal. Ed.* 2014 Mar;99(2):F105–109.
4. Namdev S, Bhat V, Adhisivam B, Zachariah B. Oxidative stress and antioxidant status among neonates born to mothers with pre-eclampsia and their early outcome. *J. Matern Fetal. Neonatal. Med.* 2013 Dec 2. [Epub ahead of print] PubMed PMID: 24188179.

5. Chidambaram AG, Manjula S, Adhisivam B, Vishnu Bhat B. Effect of Kangaroo mother care in reducing pain due to heel prick among preterm neonates: a crossover trial. *J. Matern. Fetal Neonatal. Med.* 2014 Mar;27(5):488–490.
6. Karlo J, Bhat BV, Koner BC, Adhisivam B. Evaluation of Renal Function in Term Babies with Perinatal Asphyxia. *Ind. J. Pediatr.* 2013 Jun 8. [Epub ahead of print] PubMed PMID: 23749415.
7. Adhisivam B, Harikrishnan KN, Femitha P, Joy R, Prasadkumar P, Bharadwaj SK, Bahubali GD, Halnaik D, Bhat BV. Silencing a noisy goitre sans scalpel. *Arch Dis Child Fetal Neonatal Ed.* 2013 Jul;98(4):F361.
8. Bhat BV, Adhisivam B. Trends and outcome of low birth weight (LBW) infants in India. *Ind. J Pediatr.* 2013 Jan;80(1):60–62.
9. Chourasia N, Surianarayanan P, Adhisivam B, Vishnu Bhat B. NICU admissions and maternal stress levels. *Ind. J. Pediatr.* 2013 May;80(5):380–384.
10. Chourasia N, Surianarayanan P, Bethou A, Bhat V. Stressors of NICU mothers and the effect of counseling-experience from a tertiary care teaching hospital, Ind. *J Matern Fetal Neonatal. Med.* 2013 Apr;26(6):616–618.
11. Adhisivam B, Femitha P, Joy R, Prasadkumar P, Shruthi BK, Gane BD, Bhat V. Air trail of a transilluminant scrotum. *J. Pediatr.* 2013 Mar;162(3):645–645.e1.
12. Joy R, Pournami F, Bethou A, Bhat VB, Bobby Z. Effect of therapeutic hypothermia on oxidative stress and outcome in term neonates with perinatal asphyxia: a randomized controlled trial. *J. Trop. Pediatr.* 2013 Feb; 59(1):17–22.
13. Namdev S, Krishnamurthy S, Biswal N, Jagadisan B. Pericardial tamponade in nephrotic syndrome: an uncommon complication. *Ind. J. Pediatr.* 2013 Jul;80(7):598–600.
14. Prasad, P.; Bhat Vishnu, B.; Adhisivam, B.; Rojo, Joy; Bahubali, D. G.; Shruthi, B. Liposomal amphotericin B for treatment of neonatal fungal sepsis-experience from a tertiary care centre. *Curr Pediatric Res.* Jul 2013, Vol. 17 Issue 2, p 85–87.
15. Anitha Nancy, T.; Parkash, Chand; Vishnu Bhat, B.; Sridhar, M. G.; Ramachandra Rao, K. Assessment of DNA damage in babies treated with phototherapy for Neonatal jaundice. *Current Pediatric Research.* Jan–Jun 2013, Vol. 17 Issue 1, pp 17–19
16. Bahubali, Gane D.; Femitha, P.; Rojo, Joy; Prasad, V.; Adhisivam, B.; Vishnu, Bhat Poland syndrome with dextrocardia and congenital heart disease: A case report. *Current Pediatric Research .* Jan–Jun 2013, Vol. 17 Issue 1, pp 7–9. 3p.
17. Bahubali, Gane; Vishnu Bhat, B.; Ramachandra, Rao; Nandakumar, S.; Adhisivam, B.; Rojo, Joy; Prasad, P.; Shruti, S. Antenatal and intrapartum risk factors for perinatal asphyxia: A case control study. *Curr. Pediatric Res.* Jul 2013, Vol. 17 Issue 2, pp 119–122.
18. Gane Bahubali, D.; Bhat Vishnu, B.; Ramachandra, Rao; Adhisivam, B.; Rojo, Joy; Prasad, P.; Shruti, S.; Nandakumar, S. Biochemical marker as predictor of outcome in perinatal asphyxia. *Current Pediatric Research.* Jul 2013, Vol. 17 Issue 2, pp 63–66. 4p.
19. Femitha, P.; Rojo, Joy; Adhisivam, B.; Bhat Vishnu, B.; Prasad, K.; Gane Bahubali, D.; Rakesh, Singh. Candidemia in neonatal ICU- experience from a tertiary care hospital. *Current Pediatric Research.* Jan–Jun 2013, Vol. 17 Issue 1, pp 44–48. 5p.
20. Rojo, Joy; Prasad, Kumar; Femitha, P.; Gane Bahubali, D.; Adhisivam, B.; Vishnu Bhat., B. Double trouble with Maple. *Current Pediatric Research.* Jul 2013, Vol. 17 Issue 2, pp 67–70.

Book Chapters

1. Adhisivam B, Bhat BV. Vector-borne diseases. In: *Recent advances in Pediatrics (Vol:22)*. Gupte S, Eds. First edition. Jaypee brothers medical publishers (P) Ltd, New Delhi, 2013, pp 249–265.
2. Bhat BV, Sukanya G. Adolescent vaccine, In: *Recent advances in Pediatrics (Vol:22)*. Gupte S, Eds. First edition. Jaypee brothers medical publishers (P) Ltd, New Delhi, 2013, pp 454–464.

3. Adhisivam B, Bhat BV. Methicillin-resistant staphylococcus aureus: A bugging issue. In: Recent advances in Pediatrics (Vol:22).Gupte S, Eds. First edition. Jaypee brothers medical publishers (P) Ltd, New Delhi, 2013, pp 249–265.
4. Femitha P, Bhat BV. Pediatric HIV infection. In: Recent advances in Pediatrics (Vol:22).Gupte S, Eds. First edition. Jaypee brothers medical publishers (P) Ltd, New Delhi, 2013, pp 189–214.
5. Bhat BV. Newborn care. In: Partha's fundamentals of Pediatrics. Parthasarathy A, Borker AS, Nair MKC, Bhav SY Eds, 2nd Edition. Jaypee brothers medical publishers (p) Ltd, New Delhi. 2013, pp 21–46.
6. Bhat BV. Care of the normal newborn. In: IAP textbook of Pediatrics. Parthasarathy A, Menon PSN, Gupta P et al. 5th edition. Jaypee brothers medical publishers (P) Ltd, New Delhi. 2013, pp 30–32.
7. Bhat BV, Renitha R. Surfactant therapy. In: Recent advances in Pediatrics , Special volume- Pulmonary diseases..Gupte S, Eds. Jaypee brothers medical publishers (P) Ltd, New Delhi, 2013, pp 348–360.
8. Bhat BV, Bahubali DG. Ventilator associated pneumonia. In: Recent advances in Pediatrics, Special volume- Pulmonary diseases..Gupte S, Eds. Jaypee brothers medical publishers (P) Ltd, New Delhi, 2013, pp 70–86.
9. Bahubali DG, Bhat BV. Early term neonates-Are they really term?. In: Recent advances in Pediatrics-(special volume:25)- perspectives in Neonatology. Ed.Gupte S, New Delhi.Jaypee brothers medical publishers (P) Ltd, 2014. pp 69–75.
10. Bahubali DG, Bhat BV. Biomarkers for encephalopathy in perinatal asphyxia. In: Recent advances in Pediatrics-(special volume:25)- perspectives in Neonatology. Ed.Gupte S, New Delhi.Jaypee brothers medical publishers (P) Ltd, 2014. pp 91–99.
11. Bahubali DG, Bhat BV. Therapeutic hypothermia on oxidative stress induced DNA damage in perinatal asphyxia. In: Recent advances in Pediatrics-(special volume:25)-perspectives in Neonatology. Ed. Gupte S, New Delhi. Jaypee brothers medical publishers (P) Ltd, 2014. pp 101–114.
12. Bhat BV, Benet DBD. Neonatal sepsis: Role of genomics in the diagnosis and management. In: Recent advances in Pediatrics-(special volume: 25)- perspectives in Neonatology. Ed. S, New Delhi. Jaypee brothers medical publishers (P) Ltd, 2014. pp 245–255.
13. Bhat BV, Shruthi KB. Persistent pulmonary hypertension of newborns-Newer insights. In: Recent advances in Pediatrics-(special volume:25)- perspectives in Neonatology. Ed.Gupte S, New Delhi. Jaypee brothers medical publishers (P) Ltd, 2014. pp 197–209.
14. Contributed chapters for “Delivered too soon” –Action report on preterm birth in India. Published by Indian foundation for premature babies (IFPB), 2013.

PATIENT CARE SERVICES

Clinical Services

Total deliveries:50 per day
 Instrumental: 15
 Caesarian Sections: 10
 Average daily admissions to NICU: 10
 Average daily bed occupancy rate: 125 %

Infrastructure

Total bed s = 73
 KMC ward—13 beds
 Average attendance -Well baby clinic (Wednesday)—150
 High risk newborn follow up clinic—Monday, Wednesday and Friday from 10 AM to 1 PM

Laboratory Services

Department side laboratory caters to all basic investigations including routine hemogram and urine examination of all inpatients.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS**Dr. B. Vishnu Bhat**

- i. Section Editor for neonatology—Indian Journal of pediatrics
- ii. Editor 'Current pediatric Research'
- iii. Delivered Dr. Nagasamy oration at Madurai during the annual conference of National Neonatology forum-Tamilnadu state branch conference—2013.

Dr. B. Adhisivam

- i. Completed course for Regional trainer advanced NRP (IAP –NNF –NRPFGM)
- ii. Awarded Dr. V. Balagopala Raju Award (2013) for research paper on Kangaroo mother care
- iii. Awarded Dr.B.R.Santhanakrishnan Award (2013) for research paper (co author) on Iron supplementation in preterm babies
- iv. Awarded Dr.T.Rajagopal Award (2013) for research paper (co author) on Neonatal transport
- v. Awarded 2nd prize in poster presentation on neonatal transport— International Summit on Emergency Medicine and Trauma (ISEMT 2014), February 14-16, 2014 at JIPMER

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS**Dr. B. Vishnu Bhat**

- i. External Examiner for MBBS (Paediatrics) Practical Exam at Pondicherry Institute of Medical Sciences, Puducherry
- ii. External Examiner for D.M. (Neonatology) Exam at ICH, Chennai
- iii. External Examiner Manipal University PG Examination (dissertation evaluation)
- iv. Member of Bid Evaluation Committee for procurement of Neonatal Ventilator under PMSSY
- v. Member, Disaster Management Committee, JIPMER.
- vi. Vice-Chairman, Drug Purchase and Utilization Monitoring Committee, JIPMER
- vii. Member of Diet Committee for Purchase of Food items
- viii. Member, Vidhyalaya Management Committee, Kendriya Vidyalaya No.1
- ix. MCI Inspector – Malankara Orthodox Syrian Church Medical College, Kollenchery
- x. Faculty NTTC, JIPMER
- xi. Executive Committee Member, JIPMER Alumni Association

Dr. B. Adhisivam

- i. Member in JIPMER Quality Council
- ii. Member, JIPMER H1N1 monitoring committee
- iii. Member, Committee for the Purchase and Inspection of Furniture items
- iv. District trainer for NRP- FGM (Neonatal resuscitation—first golden minute project)
- v. External examiner for Final MBBS University examinations (Pediatrics)—Tamil Nadu DR M.G.R. Medical University and University of Pondicherry

SIGNIFICANT EVENTS IN THE DEPARTMENT

Dr. Srinivas, Professor, Department of Pediatric Surgery, AIIMS, New Delhi delivered a guest lecture on Intestinal obstruction in newborn on 10/3/2014 in JIPMER.

College of Nursing

FACULTY LIST

- | | | |
|--------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. PRINCIPAL | : | Revathi S. |
| 2. VICE PRINCIPAL | : | Kumari M.J. |
| 3. LECTURERS | : | i. Ramesh R.S.
ii. Lakshmi R.
iii. Padmavathi Nagarajan
iv. Vetriselvi D. |
| 4. LECTURERS (ON CONTRACT) | : | i. Xavier Belsiyal C.
ii. Gomathi A.
iii. Vahitha S.
iv. Jayashree C. (Relieved on 08.10.2013)
v. Monica Devi K. (Relieved on 18.02.2014)
vi. Thanalakshmi A. (Relieved on 28.12.2013)
vii. Thamizharasi D. (Relieved on 28.02.2014) |
| 5. SISTER TUTORS | : | i. Yamuna T.V.
ii. Porkodi Rabindran
iii. Arul Nisha S.
iv. Angelin Mary Sheela S.
v. Lakshmi Prasanna M.
vi. Kavitha R. R.
vii. Safeena Beevi
viii. Niksy Abraham S.S.
ix. Kanimozhi K. |
| 6. SISTER TUTORS (ON CONTRACT) | : | i. Kishanth Olive (Relieved on 12.12.2013)
ii. Buvaaneswari R. |
| 7. PHN | : | Kalaiarasi E. |
| 8. NURSING SISTER | : | Bakkiyalatchimi P. |
| 9. CLINICAL INSTRUCTORS | : | i. Subha N.
ii. Aruna P.
iii. Janarthanan B.
iv. Muthulakshmi K.
v. Vembu K.
vi. Vanitha N.
vii. Shanmuga Priya K.
viii. Rani S. |



BACKGROUND INFORMATION OF THE DEPARTMENT

The College of Nursing, JIPMER was started in August 2006 and located in an exclusive three level building with all infrastructure required to learn the full spectrum of nursing care. Students are provided with classroom learning, simulation learning, clinical learning and field learning with all modern teaching aids. JIPMER Hospital is a 1,628 bedded multispecialty hospital. Students are posted in various clinical areas as per the curriculum requirements. Students have access to library facilities from central library and college of nursing where students have free access to rich collection of books and journals. Further, college of nursing is equipped with a computer lab with 17 computers with internet and Wi5 connections. Residential facilities in the hostel are excellent for ideal development of students.

The college aims to prepare nursing undergraduates to assume responsibilities as professionally competent nurses and midwives in providing holistic care. The undergraduate students are given hands on training in different areas like medical and surgical nursing, child health nursing, maternity, community health nursing, psychiatric nursing, nutrition, nursing education and administration and basic medical sciences and so on. The courses have been designed according to the regulations of Indian Nursing Council.

The post graduate programme in nursing prepares graduates to assume responsibilities as nurse specialists, educators, administrators, researchers in a wide variety of professional settings.

The Post Basic diploma courses in nursing are designed to prepare registered nurses with specialized knowledge, skills and attitude in providing advance quality care to patients in the respective specialty area. A stipend of ₹10,000/- is paid every month during the course of one year study period with free hostel accommodation for the Post Basic diploma in nursing students.

EDUCATIONAL COURSES

Under Graduate Course

B.Sc. Nursing degree course (4 years course with an annual intake of 75 students).

Post Graduate Course

M.Sc. Nursing degree course (2 years duration with a total annual intake of 25 students—5 in each specialty).

Five Specialties

- i. Branch I. Medical Surgical Nursing
- ii. Branch II. Paediatric Nursing
- iii. Branch III. Obstetrical and Gynecological Nursing
- iv. Branch IV. Community Health Nursing
- v. Branch V. Psychiatric Nursing

Other Courses

Post Basic Diploma in nursing (1 year course with an annual intake of 50 students—10 in each specialty)

Post Basic Diploma Nursing Courses

- i. Critical Care Nursing
- ii. Cardio Thoracic Nursing
- iii. Operation Theatre Nursing
- iv. Oncology Nursing
- v. Neonatal Nursing



CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

- i. College of Nursing, JIPMER has been identified by the Indian Nursing Council as one of the training institutions to train Staff Nurses on HIV/AIDS under GFATM (Global Fund for the fight against AIDS, TB and Malaria) project from five districts namely Puducherry, Cuddalore, Villupuram, Namakkal and Karur. The College of Nursing has conducted five GFATM TON workshops, two Refresher (Re-TON) trainings and five ANM trainings and trained 171 nurses, 61 nurses and 165 ANMs respectively from the allotted five districts during the period of April 2013 to March 2014.
- ii. Curriculum committee meeting (the members include Director, Dean, internal and external nursing experts) was held on August 22, 2013 at College of Nursing, JIPMER to finalize the syllabus for five one year Post Basic Diploma courses in Nursing.
- iii. Two days research workshop on “Sample size estimation and qualitative research” was organized by College of Nursing, JIPMER held on January 20 and 21, 2014 for M.Sc. Nursing I year and II year students and faculty members. The workshop was inaugurated by Dr. S.C. Parija, Dean-Research, Department of Microbiology, JIPMER on January 20, 2014. The guest lecture cum demonstration on “Sample size estimation for quantitative and qualitative studies and Confidence Interval vs. p-value” was delivered by Dr. B. Antonisamy, Prof. and Head, Department of Bio-statistics, CMC, Vellore.
- iv. On January 21, 2014, Mr. Kevin McGirr, Associate Clinical Professor, School of Nursing, University of California, San Francisco, USA delivered a lecture on identifying a qualitative research question and choosing the appropriate research methodology methods, followed by Dr. Gary Carr, Nurse Practitioner in HIV Clinic (Rtd.), San Francisco, USA presented study using Grounded theory with a sample on HIV patients.
- v. One day workshop on “Haemodynamic Monitoring” was organised by MSc Nursing I year students at College of Nursing, JIPMER on March 5, 2014.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Mrs. S. Revathi, Principal

- i. Attended ANM Training of Trainers (TOT) on HIV/AIDS and ART under GFATM project at Government College of Nursing, Trivandrum, Kerala held from May 29 to 31, 2013.
- ii. Attended a training course in Safe Injection practices, under Centre of excellence training program as a “Master trainer” at College of Nursing, JIPMER held on September 4, 2013.
- iii. Chaired a session on “Role of nurses in early detection of cancer cervix and cancer breast” during the CNE on “Cancer prevention and care” conducted as part of the XXI Annual Conference of Association of Gynaecologic Oncologists of India (AGOICON) held on November 8, 2013.
- iv. Attended the National Consensus Workshop for GFATM staff as a Principal Co-ordinator of GFATM project that is being organized by Indian Nursing Council at Delhi held on November 22 and 23 2013.
- v. Presented a paper on “Tips for the young researchers” in the 10th International Nurses Conference on the theme “Expedite Nursing Vision” at Sri Ramachandra College of Nursing, Sri Ramachandra University, Chennai held from January 6 to 8, 2014.
- vi. Attended an International Summit on Emergency Medicine and Trauma (ISEMT) 2014 at JIPMER, Puducherry held from February 12 to 16, 2014.
- vii. Attended the workshop on Advanced Cardiac Life Support (AHA certified) conducted at JIPMER as part of the International Summit on Emergency Medicine and Trauma (ISEMT) 2014 held on February 12 and 13, 2014.

Mrs. M. J. Kumari, Vice-Principal

- i. Attended a training course in Safe Injection practices, under Centre of excellence training program as a “Master trainer” at College of Nursing, JIPMER held on September 4, 2013.
- ii. Attended the Second International and 7th national conference on wound advance care which was organized by the Department of Plastic surgery, JIPMER held from October 11 to 13, 2013.
- iii. Attended the XXI Annual Conference of Association of Gynaecologic Oncologists of India (AGOICON 2013) held on November 8, 2013 which was organized by the Department of Obstetrics and Gynaecology, JIPMER.
- iv. Presented a paper on “Healthcare anywhere through Telenursing” and Chaired a scientific session in the First International conference on Metamorphosis of Nursing Education confronting current health needs—time to recuperate that was organized by Kasturba Gandhi Nursing College, Mahatma Gandhi Medical College and Research Institute, Sri Balaji Vidyapeeth, Puducherry from November 20 to 22, 2013.
- v. Participated in GFATM 64th, 65th and 66th TON workshop on HIV/AIDS as Resource person from January 20 to 22, 2014, January 27 to 29, 2014 and February 21, 2014 respectively held at College of Nursing, JIPMER.
- vi. Participated in CNE as Resource person in International Summit of Emergency Medicine and Trauma (ISEMT) 2014, delivered a speech on the role of the observation unit in Emergency Medicine and participated as a resource person in the panel discussion on charge nurse responsibilities in Emergency unit which was organised by JIPMER, Puducherry held on February 12, 2014.
- vii. Participated as a Resource person and delivered a speech on “ICP monitoring” in one day workshop on “Haemodynamic Monitoring” that was organised by MSc Nursing I year students at College of Nursing, JIPMER held on March 5, 2014.

Dr. Mrs. Lakshmi Ramamoorthy, Lecturer

- i. Chaired a session during the CNE on “cancer prevention and Care for Nurses” at AGOICON held on November 8, 2013.
- ii. Attended the First International conference on “Metamorphosis of Nursing Education” organized by Kasturba Gandhi Nursing College, Puducherry held on November 20 and 21, 2013.
- iii. Presented a lecture on “Theoretical technical aspects of Haemodynamic monitoring” on Staff development programme organized by MSc Nursing (Cardio/CTVS) II year students for Staff Nurses held on January 7, 2014.
- iv. Presented a lecture on NIBP/IBP in workshop on Haemodynamic Monitoring organized by MSc Nursing I year students held on March 5, 2014.

Mrs. Padmavathi Nagarajan, Lecturer

- i. Attended GFATM workshop at CMC, Vellore as a resource person held on June 3 and 4, 2013.
- ii. Participated in 28th Annual conference of the Indian Psychiatric society TANPSYCON 2013—Tamil Nadu Branch for 2 days held on June 29 and 30, 2013 at Department of Psychiatry, JIPMER.
- iii. Attended the International conference on “Contemporary issues in Nursing” held on August 8 and 9, 2013 at Chettinad College of Nursing and presented a research paper on “Assessment of level of knowledge among patients with psoriasis”.
- iv. Attended the Third International conference on “Novelty and Excellence in Nursing” at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry held on October 10 and 11, 2013 and presented a paper on “Effect of Nursing intervention on stress among patients with psoriasis”.
- v. Chaired a session during the CNE on “AGOICON 2013—Cancer prevention and care” for nurses at JIPMER held on November 8, 2013.

- vi. Attended as a resource person in the State level conference on “Improving communication in patient care encounters” as a facilitator for the role plays organizing secretary held on January 29 and 30, 2014 and presented the topic on “Principles and practices of Assertive communication” at JIPMER.

Mrs. D. Vetriselvi, Lecturer

- i. Attended a Safe injection training programme at College of Nursing, JIPMER held on September 4, 2013.
- ii. Participated and presented a paper on “Innovation in Nursing” in the Third International conference on “Novelty and Excellence in Nursing” held on October 10 and 11, 2013 at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry.
- iii. Attended a workshop on “Qualitative research” held on January 21, 2014 at College of Nursing, JIPMER.
- iv. Participated as a trainer in Neonatal Resuscitation programme—First Golden minute project (NRPFGM) workshop held at Manakular Vinayagar Medical College, Puducherry, held on February 9, 2014.
- v. Participated as a resource person in ISEMT 2014 held on February 11–16, 2014 at JIPMER.
- vi. Participated as a resource person in GFATM workshop (Training of nurses on HIV/AIDS and ART) held on April 15–17, 2013, January 30–February 1, 2014 and February 17–19, 2014 at College of Nursing, JIPMER.

Mrs. T. V. Yamuna, Sister Tutor

- i. Participated in an International conference held on January 8 and 10, 2014 at OACN—on Transforming Nursing practice through research at Chennai.

Mrs. Porkodi Rabindran, Sister Tutor

- i. Attended the International Nursing Conference on “Contemporary Issues in Nursing” held on August 8 and 9, 2013 at Chettinad College of Nursing, Chennai.
- ii. Attended the Safe Injection practices training program held on September 4, 2013 at College of Nursing, JIPMER.
- iii. Attended AGOICON 2013 XXI Annual conference of Association of Gynaecologic Oncologists of India held on November 8, 2013 which was organized by the Department of Obstetrics and Gynaecology, JIPMER.

Mrs. S. Arul Nisha, Sister Tutor

- i. Attended the Safe Injection practices training program held on September 4, 2013 at College of Nursing, JIPMER.
- ii. Attended the 5th National conference organized by New Medical Centre held from September 6 to 8, 2013 and presented a paper on “Emergency Drugs: Essential facts for Nurses” on September 7, 2013.
- iii. Attended an International conference at Mahatma Gandhi Medical College and Research Institute held on November 20 and 21, 2013.

Mrs. R. R. Kavitha, Sister Tutor

- i. Attended the International Nursing Conference on “Contemporary Issues in Nursing” at Chettinad College of Nursing, Chennai held on August 8 and 9, 2013.
- ii. Attended the State level conference on “Stress management”, organized by Sabari College of Nursing, Puducherry held on October 11, 2013.



- iii. Attended the International conference on “Cognitive behavior therapy” organized by Care Institution, Chennai held on September 28, 2013.
- iv. Attended an International conference and presented a paper on “Family focussed Nursing Care” at Kasturba Gandhi Nursing College, Puducherry on November 20 and 21, 2013.
- v. Participated as facilitator for role play at State level conference on “Communication skills in patient care encounters”, organized by the Department of Nursing service, JIPMER on January 29 and 30, 2014.
- vi. As a Resource person for State level conference and presented a paper on “Communication challenge” at “Comprehensive patient care approach”, by the Department of Nursing service, JIPMER, Puducherry on February 20 and 21, 2014.

Mrs. Safeena Beevi. S. S., Sister Tutor

- i. Attended the conference and CME on Patient safety organised by JIPMER Quality Council at JIPMER Auditorium on November 23 and 24, 2013.

Mrs. K. Kanimozhi, Sister Tutor

- i. Attended the Safe Injection practices training program on September 4, 2013 at College of Nursing, JIPMER.
- ii. Attended the State nursing conference on “Stress management”, at Sabari College of Nursing, Puducherry on September 11, 2013.
- iii. Attended the Third International conference on “Novelty and Excellence in Nursing” at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry, held on October 10 and 11, 2013 and presented a paper on “Healthcare Research—Accessing the quality”.

Mrs. Kalaiarasi Elangovan, PHN

- i. Attended C.N.E on “New born care” as a speaker at Rajiv Gandhi Government Maternity hospital, Puducherry held on August 18, 2013.

Mrs. N. Subha, Clinical Instructor

- i. Attended an International conference on “Metamorphosis of Nursing education confronting current health needs a time to recuperate” organized by Mahatma Gandhi Medical college, hospital and research institute, Puducherry held on November 20 and 21, 2013.
- ii. Attended an International conference on “Transforming Nursing Practice through research” organized by Omayal Achi College of Nursing, Chennai held from January 8 and 10, 2014.

Mr. B. Janarthanan, Clinical Instructor

- i. Attended the State Level Workshop on “Orthopaedic Disabilities and its Implications in Practice” at Garden city College of Physiotherapy, Bangalore as a resource person and delivered a lecture on “Psycho Social Implications in Residual Orthopaedic Disabilities” held on June 21, 2013.
- ii. Attended the 28th Annual Conference of the Indian Psychiatric Society, Tamil Nadu Branch—TANPSYCON 2013 and presented a scientific paper on “Spirituality and Quality of Life in Schizophrenia” held on June 29 and 30, 2013.
- iii. Participated as Resource person in the State level workshop on “Personality Development for the Professionals” and delivered a lecture on “Nurse’s role in Personality development for the professionals” conducted at Pauls’ College of Nursing, Vannur, held on July 8, 2013.



- iv. Attended the International Nursing Conference on “Contemporary Issues in Nursing” held on August 8 and 9, 2013 at Chettinad College of Nursing, Chennai and presented a research paper on “Spiritual and Global Functioning in Schizophrenia.
- v. Attended a training course in Safe Injection practices, under Centre of excellence training program as a “Master trainer” at College of Nursing, JIPMER held on September 4, 2013.
- vi. Attended the Second State level conference on the theme, “Stress management” at Sabari College of Nursing, Puducherry held on September 11, 2013 and presented a paper on “Stress Management—Simplify the techniques”.
- vii. Attended the Second International and 7th National Annual conference of the society for wound care and Research (SWCR)—Wound care CON—2013” organised by the Department of Plastic surgery, JIPMER held from October 11 to 13, 2013.
- viii. Attended the 17th Annual National conference 2013 of Nursing Research Society of India (NSRI) at Manikaka Topiwala Institute of Nursing (Charotar University) in Gujarat held from November 25 to 27, 2013 and presented two papers on the topic, “Qualitative Research Methodology in creating evidence: A paradigmatic new” and case report on “Obsessive compulsive disorder”.
- ix. Attended the JIPMER Quality council (JQC) “Nurses orientation program on patient safety” held on November 20, 2013.
- x. Attended the JIPMER Quality council CME and workshop on “Patient safety” held on November 23 and 24, 2013.
- xi. Organized the First State level conference on “Improving communication in patient care encounters” in JIPMER, Puducherry held on January 29 and 30, 2014 as an organising Secretary and delivered a lecture on “Introduction to communication challenge” as a Resource person and served as a Facilitator for the various role plays on communication.
- xii. Attended the International conclave on occupational health incorporating the 64th Annual National conference of Indian Association of occupational health held from February 11 to 14, 2014 in Goa and also attended as a Delegate for the preconference development course on “Approach to mental health issues at the work place”.
- xiii. Organized the Second State level conference on “Improving communication in Nursing care: A comprehensive approach” held on February 20 and 21, 2014 at JIPMER, Puducherry as an Organizing Secretary and delivered a lecture on “Principles and practices of assertive communication” as a Resource person and served as a facilitator for the various role plays on communication.
- xiv. Co-ordinated a one day workshop on “Haemodynamic Monitoring” that was organised by M.Sc. Nursing I year students at College of Nursing, JIPMER held on March 5, 2014.

Ms. K. Muthulakshmi, Clinical Instructor

- i. Attended International Conference on “Contemporary Issues in Nursing at Chettinad College of Nursing, Kelampakkam held on August 8 and 9, 2013.
- ii. Organized the Second State level conference on “Improving communication in Nursing care: A comprehensive approach” held on February 20 and 21, 2014 at JIPMER, Puducherry as an Organizing Secretary and delivered a lecture on “Self-Management skills” as a Resource person and served as a facilitator for the various role plays on communication.
- iii. Organized the First State level conference on “Improving communication in patient care encounters” in JIPMER, Puducherry held on January 29 and 30, 2014, served as a Facilitator for the various role plays on communication.

Ms. N. Vanitha, Clinical Instructor

- i. Attended the Safe Injection practices training program held on September 4, 2013 at College of Nursing, JIPMER.



- ii. Participated and joined a poster competition on the topic “Novel Strategies for clinical teaching” at the International conference on “Metamorphosis of Nursing Education confronting current health needs” organized by Kasturba Gandhi Nursing College, Puducherry held on November 20 and 21, 2013.

Mrs. K.Vembu, Clinical Instructor

- i. Attended the International conference on “Contemporary Issues in Nursing at Chettinad College of Nursing, Chennai held on August 8 and 9, 2013.

Mrs. K. Shanmuga Priya, Clinical Instructor

- i. Participated in health camp at Koonichampet, organised by PSM department, JIPMER held on April 23, 2013.
- ii. Presented a paper on “Trends in Clinical Molecular Epidemiology in Colorectal cancer screening” held on July 26 and 27, 2013 which was organized by PIMS, Puducherry.
- iii. Attended the Safe Injection practices training program held on September 4, 2013 at College of Nursing, JIPMER.
- iv. Attended the Third International conference on “Novelty and Excellence in Nursing” at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry held on October 10 and 11, 2013, presented a paper on “Health Care Research in surgical field” and poster on “Futuristic Nursing”.

Mrs. S. Rani, Clinical Instructor

- i. Participated and presented a paper at the International conference on “Metamorphosis of Nursing Education confronting current health needs” on the topic “Novel strategies for Clinical teaching” held on November 20 and 21, 2013, organized by Kasturba Gandhi Nursing College, Puducherry.
- ii. Attended an International conference on “Transforming Nursing Practice through Research at Chennai” organized by Omayal Achi College of Nursing, Chennai from January 8 to 10, 2014.
- iii. Presented a paper on “Nursing Assessment of patient in ER” at workshop organized in connection with ISEMT-14 at JIPMER held on February 12, 2014.

Mrs. C. Xavier Belsiyal, Lecturer

- i. Attended TANPSYCON 2013, the 28th Annual conference conducted by Indian Psychiatric Society, Tamil Nadu at JIPMER held on June 29 and 30, 2013.
- ii. Attended International conference on Epidemiological methods in Nursing at PIMS, Puducherry held on July 26 and 27, 2013, presented a paper.
- iii. Attended International Conference on contemporary Issues in Nursing at Chettinad College of Nursing, Chennai held on August 8 and 9, 2013.
- iv. Attended an “International conference on Cognitive Behavioural Therapy” organized by Care Institute, Chennai held on September 28, 2013.
- v. Attended and participated as a facilitator in the role play in State level conference on communication in patient care encounters organised by JIPMER held on January 29 and 30, 2014.

Mrs. A. Gomathi, Lecturer

- i. Attended International Nursing Conference at Chettinad College of Nursing held on August 9, 2013 on contemporary Issues in Nursing.



Mrs. S. Vahitha, Lecturer

- i. Attended International conference on Epidemiological methods in Nursing at PIMS, Puducherry held on July 26 and 27, 2013, presented a paper on perception and acceptance of infertility by male.
- ii. Attended International Conference on contemporary Issues in Nursing at Chettinad College of Nursing, Kelampakkam held on August 9 and 10, 2013.
- iii. Attended the Safe Injection practices training program at College of Nursing, JIPMER held on September 4, 2013.

Mrs. C. Jayashree

- i. Attended TANPSYCON 2013, the 28th Annual conference conducted by Indian Psychiatric Society, Tamil Nadu at JIPMER held on June 29 and 30, 2013.

Mrs. K. Monica Devi, Lecturer

- i. Attended International conference on Epidemiological methods in Nursing at Pondicherry Institute of Medical Sciences, Puducherry held on July 26 and 27, 2013, presented a paper on “Effectiveness of percussion and postural drainage on respiratory status of children with selected respiratory disorder”.
- ii. Attended International Conference on Contemporary Issues in Nursing at Chettinad College of Nursing, Chennai held on August 8 and 9, 2013.
- iii. Attended the Safe Injection practices training program at College of Nursing, JIPMER held on September 4, 2013.
- iv. Attended an International Conference on “Novelty and Excellence in Nursing” at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry held on October 10 and 11, 2013 and presented a paper on “Health Care Research-Menstrual Blood Banking” and poster on “Mandatory Reporting of Child sexual abuse in India”.

Mr. Kishanth Olive, Sister Tutor

- i. Attended, presented and published a research article on “Effectiveness of BMT Coping with adjustmental problems among Juvenile Delinquents” held on April 18, 2013 in the National Conference on “Evidence Based Practice—Issues and Challenges” held at MTPG and RIHS, Pondicherry.
- ii. Attended TANPSYCON 2013, the 28th Annual conference conducted by Indian Psychiatric Society, Tamil Nadu at JIPMER held on June 29 and 30, 2013.
- iii. Presented a paper and poster on “Epidemiological methods in Nursing” in an International conference at PIMS, Puducherry held on July 26 and 27, 2013.
- iv. Attended an International Conference on Contemporary Issues in Nursing at Chettinad College of Nursing, Chennai held on August 8 and 9, 2013 and presented a podium research paper.

Mrs. R. Buvaneswari, Sister Tutor

- i. Participated and facilitates in the role play in State level conference on communication in patient care encounters held on January 27 and 28, 2014.
- ii. Attended a state level conference on “Improving communication in nursing care: A comprehensive approach” held on February 20 and 21, 2014.

Mrs. D. Thamizharasi, Lecturer

- i. Attended a conference on “International perspectives on ageing—Evidence to Guide Clinical practice” at Apollo College of Nursing, Chennai held on March 8, 2014.

Research Projects

S. No.	Name of the Principal Investigator	Title of Project	Duration of Project (From... To...)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (Completed in FY 2012-2013 or Ongoing)
1.	Dr. Mrs. S. Revathi, Principal	1. A study to assess the level of post-partum depression among mothers who have given birth at JIPMER hospital.	2012-2014	Self	-	On-going
		2. A study to assess the psychological distress, activities of daily living and quality of life among patients with chronic skin disorder admitted in the dermatology wards of JIPMER hospital	2012-2014	Self	-	On-going
2.	Mrs. M. J. Kumari, Vice-Principal	1. Effectiveness of nursing strategies on wound healing and quality of life among patients with diabetic foot ulcer	2011-2013	Self	With department of Surgery	On-going
		2. A study to assess the knowledge of attitude on stroke among patients of risk for stroke in JIPMER	2013-2015	Self	With department of CTVS, Cardiology and Endocrinology	On-going
3.	Dr. Mrs. Lakshmi. R, Lecturer	Incidence of Catheter Associated Urinary Tract Infections (CAUTI) in Neurosurgical patients	March 2014-2015	Yet to be sanctioned (Intramural)	College of Nursing with Department of Neuro surgery, JIPMER	On-going
4.	Mrs. Porkodi Rabindran, Sister Tutor	1. A study to assess the prevalence of obesity among health personnel of JIPMER.	2012-2014	Self	-	On-going (Permission not granted)
		2. A study to assess substance abuse among the construction workers of L and T in the JIPMER project.	2012-2014	Self	-	On-going (Permission not granted)

PUBLICATIONS

Journals

Mrs. M. J. Kumari, Vice-Principal

1. Kumari MJ. "A study to assess the level of foot care practice among patients with Diabetes Mellitus". *Int. J. Nursing Educ.* January–June 2013; 5(1): 107–109.
2. Kumari MJ. "Role of Hyperbaric oxygen therapy on diabetic wound healing", *Journal of Nursing Trendz.* January–April 2014; 5(1): 39–43.

Mrs. Padmavathi Nagarajan, Lecturer

1. Padmavathi Nagarajan, Karaline Karunagari, Thappa DM, and Deepthi Konda. "Ultraviolet light therapy and Psoriasis-Nursing perspectives". *Int. J. Nursing Educ.* January–June 2013; 5(1): 147–151.
2. Padmavathi N, and Karaline K. "Awareness on Psoriasis". *J. Nursing Trendz.* May–August 2013; 4(2): 16–20.
3. Padmavathi N, "Relaxation therapy in Psoriasis". *J. Nursing Trendz.* January–April 2014; 5(1): 35–38.

Mrs. D. Vetriselvi, Lecturer

1. Vetriselvi D. "Infertility and Counselling", *International Journal of Nursing Education.* July–December 2013; 5(2).
2. Vetriselvi D. "Impact of relaxation therapy in infertility". *J. Nursing Trendz.* September–December 2013; 4(3).

Mr. B. Janarthanan, Clinical Instructor

1. Janarthanan B. "Impact of Steroids on Human Health"—Health action, May 2013: 10–12
2. Janarthanan B. "The National Rural Health Mission: An Overview". *Health Action* April 2013; 4–5.
3. Janarthanan B. "The National Rural Health Mission: Achievements and Future Challenges". *Health Action* April 2013: 6–8.
4. Janarthanan B. "Asthma and Environment" *Health Action*, July 2013: 17
5. Janarthanan B. "Understanding Environmental Health" *Health Action*, July 2013: 13 and 14.
6. Janarthanan B. "Cosmetics and Common Skin Disorders" *Health Action*, August 2013: 12 and 13
7. Janarthanan B. "Cardiac rehabilitation—A comprehensive overview" *Health Action*, October 2013: 12 and 13.
8. Janarthanan B. "Critical Ongoing Health activities under twelfth five year plan" *Health Action*, November 2013: 9–11.
9. Janarthanan B. "Strategic Challenges of twelfth five year plan" *Health Action*, November 2013: 18 and 19.
10. Janarthanan B. "Initial evaluation of trauma patients" *Health Action*, February 2014: 11–13

ADMINISTRATIVE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Mrs. S. Revathi

- i. Nominated as a member to attend the Sub-Committee meeting for B.Sc. Nursing curriculum development for six AIIMS institutions held at AIIMS, Rishikesh on April 15 and 16, 2013.
- ii. Nominated as a member of the inspection committee by the Pondicherry University to inspect Nursing colleges at Puducherry region on April 24, 2013.



- iii. Appointed as an External Examiner by the Tamil Nadu Dr. M.G.R. Medical University, Chennai, to conduct Nursing Education Practical examination for M.Sc. Nursing I year students at Nehru College of Nursing, Tirunelveli on April 29, 2013.
- iv. Attended the second meeting of the Expert Committee on Nursing Education and Research for the six new AIIMS institutions being established under PMSSY as a subcommittee member in formulating B.Sc. Nursing curriculum held under the chairmanship of Prof. A. K. Mahapatra on May 21, 2013 at Nirman Bhawan, New Delhi.
- v. Appointed as an Internal Subject Expert of Standing Selection Committee, JIPMER at Hotel Residency Towers, Chennai on May 26, 2013 towards conduct of the interview for the post of Lecturer in Obstetrics and Gynaecological nursing.
- vi. Appointed as an external examiner to conduct dissertation viva-voce of M.Sc. (N) II year students of Sri Ramachandra University, Chennai on June 7, 2013.
- vii. Appointed as an Examiner by the Ph.D. Board of NIMHANS to conduct the Pre Ph.D. Viva-voce examination of Ms. Mythili D. at NIMHANS, Bangalore on August 26 and 27, 2013.
- viii. Appointed as an Examiner by the Tamil Nadu Dr. MGR Medical University, Chennai to conduct the Ph.D. Public Viva-voce examination of Ms. Shirley Joseph at CMC, Vellore on November 18, 2013.
- ix. Nominated as a member of a UGC Expert committee to inspect the Nursing programmes of the UKA Tarsadia University, Surat, Gujarat (A private university) by the Deputy Secretary of the University Grant Commission, Bahadur Shah Zafar Mark, New Delhi on December 26 and 27, 2013.
- x. Appointed as an External Examiner by the Department of Research, Saveetha University to conduct the Public Ph.D. Viva-voce examination of Ms. M.A. Sahbanathul Missiriya at Saveetha University, Chennai on March 3, 2014.

Membership in Professional Associations

- i. Recognized as Ph. D. guide for three students under National Consortium for Ph. D in Nursing by Indian Nursing Council (INC) in collaboration with the Rajiv Gandhi University of Health Sciences (RGUHS), Bangalore.
- ii. Active member of Sigma Theta Tau International, Eta Pi Chapter, University of Wisconsin, Oshkosh, USA.
- iii. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. M.J. Kumari

- i. Conducted supportive supervision under GFATM project among staff nurses at Government Hospital, Karaikal and Indira Gandhi Government General Hospital and Post Graduate Institute, Puducherry on March 18, June 20 and 21, 2013 respectively.
- ii. Appointed as an Inspector by Tamil Nadu Nurses and Midwifery council, Chennai to inspect College of Nursing, Mother Theresa Institute of Post graduate and Research Health Sciences, Puducherry on June 5, 2013.
- iii. Appointed as a member of the Board of Examination for the valuation of M.Sc. Nursing I—Medical Surgical Nursing theory and practical examination of Medical Surgical Nursing on July 5, 2013 at Annamalai University, Chidambaram.
- iv. Appointed as an External Examiner for B.Sc. Nursing—Medical Surgical Nursing examination and evaluate the theory paper for Medical Surgical Nursing and Nursing Research at Annamalai University from February 6 to 8, 2014.
- v. Attended as an External faculty member for B.Sc. Nursing by the Board of Study examination at Annamalai University on March 10, 2014.
- vi. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- vii. Member in Society of Midwives in India, Puducherry Chapter.
- viii. Annual membership in the Society for Wound Care and Research.



Mr. R. S. Ramesh

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- ii. Member of “Red Cross Society of India”, Puducherry branch.

Dr. Mrs. Lakshmi Ramamoorthy

- i. Appointed as External Examiner for B.Sc. (N) II year Medical Surgical Nursing at College of Nursing, AIIMS from May 5 to 7, 2013.
- ii. Appointed as an External Examiner for evaluating the M.Sc. Nursing Neuroscience dissertation at AIIMS, New Delhi on February 25, 2014.
- iii. Appointed as an External Examiner for B.Sc. Nursing—Medical Surgical Nursing II in May–June 2013 session at JIPMER from May 1 to 3, 2013.
- iv. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Padmavathi Nagarajan

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- ii. Life members of “Indian Society of Psychiatry Nurses (ISPN)”.

Mrs. D. Vetriselvi

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. T. V. Yamuna

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Porkodi Rabindran

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- ii. Member in Society of Midwives in India, Puducherry Chapter.
- iii. Member of “Indian Public Health Association (IPHA)”.

Mrs. S. Arul Nisha

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Angelin Mary Sheela

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. M. Lakshmi Prasanna

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. R. R. Kavitha

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Niksy Abraham

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. S. S. Safeena Beevi

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.



Mrs. K. Kanimozhi

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. Kalaiarasi Elangovan

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.

Mrs. P. Bakkiyalatchimi

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- ii. Member in Society of Midwives in India, Puducherry Chapter.

Mr. B. Janarthanan

- i. Life member of “Trained Nurses Association of India (TNAI)”, New Delhi.
- ii. Life member of “Indian Society of Psychiatric Nurses (ISPN).
- iii. Life member of the “Nursing Research Society of India (NRSI)”.
 iv. Appointed as a “Contributing Editor” of the Mental Health Nursing Journal by the Tamil Nadu Nurses and Midwives Council for the term period of 2 years (2013 and 2014).
 v. Appointed as an Editor for the Nursing Research Journal of Indian by Nursing Research Society of India (NRSI).
 vi. Appointed as a Member of the Editorial Board of the “International Journal of Nursing Education (IJNE)”.

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. During this academic year, one Lecturer in Obstetrics and Gynaecological Nursing and one Sister Tutor in Psychiatric Nursing were recruited on contract basis for College of Nursing, JIPMER. One post of Assistant Steward on contract basis was recruited for the Nightingale house, JIPMER.
- ii. Students of M.Sc.(N) I year, Ms. P. Jennifer Suganth and Ms. S. Senthamizh have participated and won first prize in the poster competition of National conference on Safe Motherhood Day which was organized by Mother Theresa Institute of Post Graduate and Research Health Sciences on April 18, 2013.
- iii. Safe motherhood day was observed on April 23, 2013 at College of Nursing, JIPMER. In this connection, a quiz competition was conducted on healthy mother and healthy baby at antenatal ward among pregnant women on April 22, 2013. Students of IV year B.Sc. (N) expressed their talents through an exhibition, symposium, poster competition and quiz competition on the theme related topics on April 23, 2013. Dr. V. V. Rao, Deputy Director (Family Welfare and MCH), Government of Puducherry was the special guest of the day and he addressed on the role of the nurse in safe motherhood programme.
- iv. World Health Day 2013 was celebrated in College of Nursing on the theme, “Control your Blood Pressure and cut your risk of Heart attack and Stroke” on April 26, 2013. The poster and quiz competitions were conducted for students on the theme. Dr. T. S. Ravikumar, Director gave inaugural address and Dr. T. K. Dutta, Professor and HOD of Medicine gave speech on the theme.
- v. Dr. Lakshmi Rajeswaran from the University of Botswana, delivered lecture cum demonstration on CPR at College of Nursing, JIPMER on July 22 and 23, 2013 for the students, Staff Nurses and faculty.
- vi. Farewell party was organised by B.Sc. Nursing III year students to their Seniors at JIPMER Auditorium on July 24, 2013.
- vii. The World Breast feeding week was organised by Department of Child health Nursing, College of Nursing, JIPMER on August 2, 2013 during which the health education programmes was con-



- ducted in Paediatric OPD, Antenatal OPD, Antenatal and Postnatal wards. Breast feeding awareness rally by the nursing students.
- viii.** Faculty members of College of Nursing attended the Safe Injection Training Programme as master trainers on September 4, 2013 at MultiPurpose Hall, College of Nursing conducted by, JIPMER in collaboration with New Business Development, BD.
 - ix.** World Suicide Prevention day has been observed on the theme, “Stigma—A major barrier to suicide prevention” by College of Nursing, JIPMER on September 10, 2013. Mrs. Padmavathi Nagarajan, Lecturer welcomed the gathering. Dr. Ravi Philip Rajkumar, Assistant Professor, Department of Psychiatry unfolded the theme of the day and enlightened the causes of suicide and suicide prevention. Students have participated in the debate on mental health issues of the adolescents and a skit on suicide prevention. Dr. Mrs. S. Revathi, Principal read out suicide prevention oath and initiated a signature campaign to prevent suicide.
 - x.** World Mental Health Day has been observed on the theme “Mental Health and Older people” on October 10, 2013. Dr. Mrs. S.Revathi, Principal, College of Nursing welcomed the gathering. Dr. D. K. Subramaniyan, Professor and In charge of Department of Psychiatry inaugurated the function and released the pamphlet regarding “Health aging”. Mr. Kevin Mc Girr, Associate Clinical Professor, School of Nursing from University of California, San Francisco gave speech on “An overview of the mental health needs of older adults, current and future trends”. Dr. Vikas Menon, Assistant Professor, Department of Psychiatry gave a speech on “Mental Health in elderly, Indian scenario”. Dr. Sonali Sarkar, A.P, Dept. of PSM presented a study on depression in elderly in Puducherry. Our III year B.Sc. (N) students organized a skit on “Healthy Aging” at Geriatric clinic, JIPMER hospital followed by quiz has been conducted for elderly and prizes have been distributed to the older people.
 - xi.** Vigilance awareness week was observed at College of Nursing, JIPMER by taking the “Vigilance Awareness Oath” by all the Faculty and Students on October 28, 2013 in their respective class rooms with the faculty.
 - xii.** Fresher’s day was celebrated and organised by B.Sc. Nursing II year 2012 batch students at JIPMER Auditorium on October 29, 2013.
 - xiii.** Mass Health Education programme was conducted by IV year B.Sc. (N) students at Govt. Higher Secondary School, Pillayarkuppam, Puducherry on October 30, 2013.
 - xiv.** B.Sc. (N) III year students have participated in the World Diabetic Day which was conducted by JIPMER on November 14, 2013.
 - xv.** School Health programme was conducted by IV year B.Sc. (N) students for the Primary School children at Government Higher Secondary School, Ramanathapuram, Puducherry on November 15, 2013.
 - xvi.** National New Born week has been observed in co-ordination of Department of Paediatrics, JIPMER from November 15 to 21, 2013. On November 21, 2013, the action report on pre-term births in India, “Delivered too soon” was released by Dr. T. S. Ravikumar, Director, JIPMER followed by various competitions including elocution, poster and quiz competition were conducted for B.Sc. (N) III year students.
 - xvii.** B.Sc. Nursing students along with Mr. R.S. Ramesh, Lecturer and Mrs. T. V. Yamuna, Sister Tutor had participated in AIDS awareness rally which was organised by Pondicherry AIDS Control Society (PACS) on December 1, 2013.
 - xviii.** Christmas day celebration was organised by B.Sc. Nursing 2012 batch students at College of Nursing, JIPMER on December 20, 2013.
 - xix.** Pongal celebration was celebrated at College of Nursing, JIPMER on January 10, 2014 which was organised by B.Sc. Nursing IV year students.
 - xx.** Nursing students (17 numbers) with two faculty members from the University of Wisconsin, USA have visited College of Nursing and JIPMER hospital as one day observational visit on January 13, 2014.

- xxi. M.Sc. (N) I year students (2013 batch) have presented their dissertation and clinical specialty group research proposal in PG Research Monitoring Committee with their respective guides on January 23, 2014 at College of Nursing, JIPMER.
- xxii. The Lamp Lighting Ceremony for the eight batch B.Sc. Nursing students of College of Nursing, JIPMER was held on January 31, 2014 at SSB Conference hall, JIPMER. Dr. Ramachandra, Principal, College of Nursing, NIMHANS, Bangalore was the chief guest of the programme and Dr. J. Balachander, Acting Director and Medical Superintendent, JIPMER gave the Presidential address.

The B.sc. (N) And M.sc. (N) Examination Results For The Year 2013–2014 Are As Follows

Batch	Course	Result (%)
2012	B.Sc.(N) I Year	90
2011	B.Sc.(N) II Year	85
2010	B.Sc.(N) III Year	100
2009	B.Sc.(N) IV Year	97
2012	M.Sc.(N) I Year	95

(One candidate was absent for the exam)

Central Facilities

Advanced Centre for Yoga Therapy Education and Research (ACYTER)

PROGRAMME DIRECTOR, PROFESSOR
AND HEAD OF PHYSIOLOGY : G. K. Pal

BACKGROUND INFORMATION

The Advanced Centre for Yoga Therapy Education and Research (ACYTER), is functioning in JIPMER since 2008. The first phase of this advanced centre had focused on role of yoga in the prevention and management of cardiovascular disorders and diabetes mellitus. This centre is planning to assess the role of yoga in hypertension, cancer, COPD and other various disorders.

Aims and Objectives of ACYTER

- i. To bridge the gap between yoga and modern medicine
- ii. To introduce yoga in medical curriculum and facilitate an awareness of the therapeutic potential of yoga amongst the medical professionals
- iii. To provide quality yoga and lifestyle consultation and standardized yoga therapy to patients of JIPMER
- iv. To conduct collaborative research projects with different departments in JIPMER
- v. To conduct seminars, workshops, symposia and conferences
- vi. To standardize yoga techniques and procedures
- vii. To conduct yoga classes for JIPMER staff, students and general public
- viii. To create an awareness about the art and science of yoga amongst the people of Pondicherry and surrounding regions

Names of Staff Post(s) and number(s)

- i. Programme Director – 1
- ii. Senior Research Fellow – 2
- iii. Yoga Instructor – 2
- iv. DEO-cum-Clerk – 1
- v. General Duty Attendant – 1

SERVICES PROVIDED WITH STATISTICS DURING THE YEAR

Yoga therapy OPD is functioning in the Super Specialty Block of JIPMER daily from 9 AM to 1 PM and at JIPMER Academic Block. Yoga OPD for Oncology patients are being conducted at RCC JIPMER on Monday to Thursday 2:30–4:30 PM. Yoga therapy sessions are being conducted at ACYTER yoga

hall for diabetes on Tuesday, Thursday and Saturday from 10 to 11 AM, for cardiovascular diseases from 11 AM – 12 noon on Mondays, Wednesdays and Fridays and for other disorders from 12 noon – 1 PM every day.

Sessions are conducted individually and in groups as per requirements of the patients and directions of therapists. Yoga classes for normal subjects are being conducted on Mondays, and Wednesdays at 6.30 AM and 4.30 PM and for senior citizens on Thursdays between 11 AM and 12 noon.

ACYTER Yoga Research Lab is functioning in SS Block since 6 July 2011 and regular studies are being conducted on patients of diabetes, hypertension and heart failure. Various pilot studies on patients as well as normal volunteers are being conducted.

Statistics Between April 2013 and March 2014

OPD attendance	570
Therapy sessions	
i. Diabetes	1,300
ii. Hypertension	1,622
iii. Other disorders	1,780
Yoga classes for senior citizens	314
Yoga classes for normal subjects	1,760
Number of patients studied in research lab	300
Total	7,646

RESEARCH WORKS

Many research projects are being conducted at JIPMER as collaborative efforts between ACYTER and the Departments of Physiology, Medicine, Biochemistry, Cardiology and Obstetrics and Gynecology. Papers and abstracts have been published and also submitted for publication. Details of various studies completed / in progress are given below:

PhD Thesis

In progress

- i. Association of sympathovagal imbalance with cardiovascular and metabolic dysfunction and effects of yoga therapy in the alleviation of these dysfunctions in prediabetis and diabetes.

Completed

- i. Effect of yoga therapy on cardiac autonomic functions and oxidative stress in prehypertensive subjects: a randomized controlled study.
- ii. Effect of yoga therapy on cardiac function, response to exercise, oxidative stress and quality of life in heart failure patients: a randomized controlled trial.

MD Dissertations

Completed

- i. Effects of slow and fast pranayams on pulmonary function, handgrip strength and endurance in young healthy volunteers – a randomized controlled trial.
- ii. Effect of yoga training on autonomic functions and reaction time in young healthy females during different phases of menstrual cycle.

- iii. Effect of pranayam on maximal exercise performance, pulmonary function, recovery heart rate and blood pressure in healthy adults.

In Progress

- i. Effect of yoga on pulmonary, cardio vascular, metabolic function and psychological stress core in breast cancer patients undergoing radiotherapy – a Randomized Control Trial
- ii. Effect of Yoga on sympathovagal imbalance, oxidative stress. Inflammatory markers, insulin resistance and lipid profile in male type 2 diabetes
- iii. Effect of slow breathing exercise on stress score and correlation of stress score with resting heart rate variability and pulmonary functions in young healthy male volunteers

DM Dissertations

In Progress

- i. The effect of yogic relaxation (pranava relaxation) technique on cerebro vascular reactivity as measured by transcranial Doppler in patients with ischemic stroke.

OTHER RESEARCH PROJECT

Faculty Research Projects

Completed

- i. Study of the effect of slow breathing exercises on the course of pregnancy in women having risk factor for PIH
- ii. Effect of slow and fast pranayams on cognitive and autonomic parameters in young healthy subjects.
- iii. Effect of pranayam training on maximal exercise performance, pulmonary function, recovery heart rate and blood pressure in healthy adults

In Progress

- i. Effect of yoga on cardiovascular risks in first degree relatives of hypertensives and type 2 diabetics
- ii. Effect of mid trimester yoga on the incidence of pre-eclampsia in high risk women.

Pilot Studies

Completed

- i. Acute effect of anulom-vilom pranayam on heart rate variability in healthy volunteers.
- ii. Immediate effect of 5 minutes chandranadi pranayam on heart rate variability in hypertensive patients.
- iii. Immediate effect of 5 minutes chandranadi pranayam on heart rate variability in diabetes mellitus patients.
- iv. Acute effect of 5 minutes chandranadi pranayam on heart rate variability in patients with diabetes mellitus and hypertension.
- v. Immediate effect of 5 minutes chandranadi pranayam on heart rate variability in patients of heart failure.
- vi. Effect of respiratory rate on heart rate variability in healthy volunteers.
- vii. Effect of yog nidra on short term HRV in heart failure patients.
- viii. Acute biochemical and physiological effects of unilateral and bilateral nostril breathing in patients of diabetes.
- ix. A controlled trial of immediate effects of pranava pranayama in shavasana on patients having both diabetes and hypertension.

PUBLICATIONS

- i. Bhavanani AB, Zeena S, Jayasettiaseelon E, Dayanidy G, Vithiyalakshmi L, Madanmohan. Physiological and psychological effects of a yoga training programme in paramedical students. *Yoga Mimamsa* 2013; 44: 246–164.
- ii. Hari KB, Pal P, Pal GK, Balachander J, Jayasettiaseelon E, Sreekanth S, Sridhar MG, Gaur GS. Effect of yoga therapy on heart rate, blood pressure and cardiac autonomic function in heart failure. *J. Clin. Diag. Res.* 2014; 1: 14–16. (IF: 0.14)
- iii. Hari KB, Pal P, Pal GK, Balachander J, Jayasettiaseelon E, Sreekanth S, Sridhar MG, Gaur GS. Yoga training in heart failure (NYHA I-II) reduces oxidative stress and inflammation. *J. Exer. Physiol.* 2014; 17(1): 10–18.
- iv. Hari KB, Pal P, Pal GK, Balachander J, Jayasettiaseelon E, Sreekanth S, Sridhar MG, Gaur GS. A randomized controlled trial to study the effect of yoga therapy on cardiac function and N-terminal pro BNP in heart failure. *Int. Med. Insights* 2014; 9: 1–6.
- v. Hari KB, Pal P, Pal GK, Balachander J, Jayasettiaseelon E, Sreekanth S, Sridhar MG, Gaur GS. Yoga improves quality of life and functional capacity in heart failure patients. *Biomed. Res.* 2014; 25(2): 178–182.
- vi. Dinesh T, Gaur G S, Sharma V K, Madanmohan, Harichandrakumar KT, Grrishma B. “Effect of 6 Weeks of Kapalabhati pranayama training on peak expiratory flow rate in young healthy volunteers”. *Scholars. Acad. J. Biosci.* 2013; 1(4): 111–114.
- vii. Dinesh T, Gaur GS, Sharma VK, Velkumary S, Bhavanani AB. “Effect of 12 weeks of Kapalabhati pranayama training on cardio-respiratory parameters in young healthy volunteers of JIPMER population”. *Int. J. Med. Pharmaceutical. Sci. Res. Rev.* 2013; 1(4): 53–61.
- viii. Dinesh T, Sharma VK, Rajajeyakumar M, Syamsunder AN, Gopinath M, Bhavanani A.B. Effect of 8 weeks of pranav pranayama training on pulmonary function test parameters in young healthy, volunteers of JIPMER population. *Int. Res. J. Pharm. App. Sci.* 2013; 3 (4):116–118.
- ix. Gaur GS, Madanmohan, Bhavanani AB, Subramanian SK. “Effect of yoga on cardio-respiratory functions”. *Biomedicine* 2013; 22(2): 182–186.
- x. Karpagam S, Gaur GS, Madanmohan T, Subramanian SK. “Comparative study of effect of slow and fast suryanamaskar on work load of heart in normal human subjects”. *Int. J. Physiol.* 2013; 1(2): 166–169.
- xi. Madanmohan, Bhavanani AB, Zeena S, Vithiyalakshmi L, Dayanidy G. Effects of a comprehensive eight week yoga therapy programme on cardiovascular health in patients of essential hypertension. *Ind. J. Trad. Knowl.* 2013; 12 (3), 535–541.
- xii. Rajajeyakumar M, Amudharaj D, Hari KB, Madanmohan T, Jeyasettiaseelon E, Bhavanani AB. Immediate effect of different pranayam on short-term heart rate variability in health care students. A preliminary study. *Int. J. Physiol.* 2014; 2 (1): 39–43.
- xiii. Sharma VK, Madanmohan T, Velkumary S, Rajajeyakumar M, Bhavanani AB, Sahai A. Effect of fast and slow pranayama on perceived stress and cardiovascular parameters in young health-care students. *Int. J. Yoga.* 2013; 6(2): 104–110.
- xiv. Sharma VK, Rajajeyakumar M, Velkumary S, Subramanian SK, Bhavanani AB, Madanmohan, Sahai A, Dinesh T. Effect of fast and slow pranayama practice on cognitive functions in healthy volunteers. *J. Clin. Diag. Res.* 2014; 8 (1): 10–13.

Published abstracts

- i. Effect of 12 weeks of pranayama training on basal physiological parameters in young, healthy volunteers. Dinesh T, Gaur GS, Sharma VK, Bhavanani AB, Harichandrakumar KT. Poster No. A74. APPICON 2013.

Biomedical Waste Management

ADMINISTRATIVE HIERARCHY

1. OVER-ALL OFFICER-IN-CHARGE : Rajan Swain, Chief Medical Officer (SAG)
2. OFFICER-IN-CHARGE :
 - i. G. Sougoumarane, Chief Medical Officer (upto December 2013)
 - ii. Neelima Talari, Medical Officer (December 2013 to March 2014)

- i. The function of the Hospital Biomedical Waste Management Department is to see that all the waste generated in the hospital, institute, hostels and residences are scientifically treated and disposed of These involve the following activities:
 - a. Cleaning—done by sanitary staff hired by the Institute as well as staff of an outside organization under contract to JIPMER.
 - b. Collection, segregation and packaging of the waste as per the guidelines of the Government of India.
 - c. Transportation of the waste to designated areas.
 - d. Treatment of the waste and disposal by incineration and landfills as required. Plastic articles are microwaved before they are sent for disposal. There is a primary incinerator with a capacity of 120 kg per hour that is functioning for the main hospital and the institute. There is also a secondary incinerator with a capacity of 15 kg per hour.
A shredder machine has been procured for the shredding of plastics and sharps, which will make the disposal of these safer. It will be commissioned shortly.
 - e. Sewage treatment is done with three sewage treatment plants. STP1 has a capacity of 1.2 million litres per day. It is more than 40 years old and caters to the main hospital, institute and residential quarters. There are two secondary STPs which have a combined capacity of 0.35 million litres per day and are used to treat the effluent from the hostels and the superspecialty block.
A proposal has been sent for the construction of a new STP with a capacity of 2 million litres per day to replace STP1 as well as to take care of the future requirements of the hospital.
 - f. Teaching of medical, nursing and paramedical students about the principles and practice of hospital biomedical waste management and clean drinking water supply.
- ii. Names of staff posts and numbers – as given in 1.
- iii. Services provided and statistics for the year

Categories of waste quantity generated in the year 2013–2014 at monthly averages

Cat. No.	Waste Category	Total Monthly Quantity
1.	Human anatomical waste	3,258 Kg
2.	Animal waste	207 Kg
3.	Microbiological and biomedical waste	189 Kg
4.	Waste sharps	204 Kg

(Continued)

Biomedical Waste Management

Cat. No.	Waste Category	Total Monthly Quantity
5.	Discarded medicines and cytotoxics	-
6.	Soiled waste (items such as swabs, dressings etc. contaminated) with blood or body fluids)	8,370 Kg
7.	Solid waste (medical devices like syringes, catheters, IV sets etc.)	1,350 Kg
8.	Liquid waste	-
9.	Incineration ash	1,392 Kg
10.	Chemical waste	590 Kg
11.	General waste	58,618 Kg
Total	74,178 Kg	

The average waste generated per day per patient was 1.15 Kg.

Dr. Rajan Swain
Overall Officer-in-charge

Canteen

ADMINISTRATIVE HIERARCHY

The Departmental Canteen is managed by the Canteen Management Committee consisting of the Director, JIPMER as its Parton, Chairman, Secretary and members nominated from different sections of employees of JIPMER. Currently the Canteen Management Committee consists of the following members:

1. Dr. T.S.Ravikumar, Director	:	Patron
2. Dr. R.Raveendran, Professor of Pharmacology	:	Chairman
3. Shri M. Krishna Rao, Law officer	:	Secretary
4. Shri M. Balasubramanian, Lab Attendant	:	Member
5. Dr. Gopal K Pal, Professor of Physiology	:	Member
6. Shri. S. Gandhirajan, Ward boy	:	Member
7. Dr. S. Kandasamy, Scientist II	:	Member
8. Shri. M. Pannerselvam, Nursing Attendant	:	Member
9. Shri. A.Prabakaran, Peon	:	Member
10. Smt. Revathy, Sr. Dietician	:	Member
11. Shri N. Viswanathan, Medical Records Clerk	:	Member

BACKGROUND INFORMATION

The JIPMER canteen was started in 1970 by the JIPMER Staff Co-operative Credit Society (Regn. No.P231) and later in 1976 it became the JIPMER Staff Co-operative Canteen (Regn. No.P354). In 1991 the canteen was renamed as JIPMER Staff Canteen. In 1991, the canteen was annexed as a section of JIPMER following the takeover of the same by the central government. The Canteen was renamed "JIPMER Departmental Canteen" in 2005.

NAMES OF THE STAFF: POST(S) AND NUMBER(S)

S. No	Name of the Post	No. of Posts Sanctioned	No of Vacancies
1.	General Manager	-	-
2.	Manager Gr-II	1	1
3.	Manager -cum -Accountant	-	-
4.	Asst -Manager cum Store- keeper	1	1
5.	Clerk	3	2

(Continued)

S. No	Name of the Post	No. of Posts Sanctioned	No of Vacancies
6.	Halwai –cum- Cook	2	1
7.	Asst Halwai- cum -Cook	2	1
8.	Bearer	7	1
9.	Wash Boy/safaiwala	3	2
10.	Coffee and Tea Maker	1	1
Total	20	10	

Services Provided

The canteen is run on a “No loss, No Profit” basis. It serves a variety of food items to its customers at the lowest prices. Currently the canteen is functioning at three places. The main section is located in the administrative block where the food is prepared. In the super specialty block, an AC canteen is functioning to serve breakfast, lunch, and snacks, cool and hot drinks. A bunk located near the main gate also caters to the needs of the employees. The canteen is supplying on request lunch and snacks at a lowest price for workshops, seminars etc., conducted by JIPMER/Departments. The canteen also provides training to students of Dietetics doing internship. The services provided at different locations are given below:

Location	Sales Timing and Services
Admin Block Canteen	8:30 AM to 1:30 PM and 2:30 to 4:00 PM Breakfast, lunch, hot and cold drinks, snacks, Ice creams
SS Block Canteen	9 AM to 1.00 Noon and 2:30 to 4:00 PM Breakfast, lunch, hot and cold drinks, snacks, Ice creams
Bunk	7 AM to 5:30 PM Packed breakfast and lunch, hot and cold drinks, snacks, ice creams

Canteens at admin block and SS block offer dine- in and take –away facilities.

Statistics

The canteen services are utilized by about 4,000–5,000 customers consisting of officers, employees, students and others employed in the campus. The canteens are used by more than 2,000 customers a day.

ACHIEVEMENTS/SIGNIFICANT EVENTS

- i. The C.C.T.Vs is installed in the Administrative Building Canteen.
- ii. Breakfast and lunch services were restarted at S. S. Block Canteen.
- iii. Additional items like Curd Vadai, Special Meals etc., are introduced.
- iv. Dish washer is installed in canteen to wash the plates, tumblers, cups etc.,
- v. Solar water heaters are installed.
- vi. Modern equipments like idly plants, potato peelers, vegetable cutters etc. were procured to increase the production.

Future Plans

Plans are afoot to expand the canteen in view of new buildings, departments and courses started in the campus. The canteen is proposed to be upgraded to “5A type” canteen which will get 15 additional posts to enable the canteen to expand the services for which a proposal is already sent for consideration. A building for a new canteen with AC dining halls has been proposed. It is proposed to introduce bio-metric attendance system in the canteen. Solar water heaters will be installed for cleaning the vessels, etc.

Central Animal House

PROFESSOR AND OFFICER IN-CHARGE : B. N. Harish

BACKGROUND INFORMATION

Central Animal House caters to augment the teaching, training and research facilities and to meet the growing demand for high quality laboratory animals at JIPMER. The Central Animal House is registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Ministry of Environment and Forests, Govt. of India (Reg. No 128/1999 CPCSEA). JIPMER has an established Institutional Animal Ethics Committee that advises the institution and teachers/researchers on facilities, policies and practices at Central animal house concerning the care and use of animals. It ensures that the three R's, replacement, reduction and refinement, are invoked for every project involving animals and that these principles are upheld to minimize the number of animals used for teaching/research at JIPMER. Central animal house maintain – Sheep, Rabbits (New Zealand), Guinea Pigs, Rats (Wistar) and Albino mice (Swiss) as per national guidelines. These animals are distributed to the various departments for teaching and research purpose. Animals can be purchased at nominal fees by the Government Medical college/Institute or Research Institute from the central animal house. Animals are provided for those research activities which are approved by Animal Ethics Committee. The facility housed sheep for purpose of preparation of culture media (sheep blood agar) by the Department of Microbiology.

Staff Posts

1.	Animal assistant	1
2.	Senior animal attender	1 (Vacant)
3.	Animal attender:	1

Services Provided with Statistics

Animal	Opening Stock as on 01.04.2013	Closing Stock as on 31.03.2014
Mice	300	300
Rats	300	300
Guinea pigs	30	30
Rabbits	50	50
Sheep	5	7

Two sheep were procured during the year 2013–2014

A total of 451 small animals (rats, mice, rabbits and guinea pigs) were supplied to various departments of the institution. The following is the details.

S. No.	Animals	No of Issued for Teaching Purpose	No of Issued for Research Purpose
1.	Mice	95	30
2.	Rats	70	226
3.	Guinea Pig	30	-
4.	Rabbits	12	-

ACHIEVEMENTS/SIGNIFICANT EVENTS

Animal House Registration no.:128/1999 CPCSEA

Date of renewal of registration:10.5.2009

Valid upto:09.5.2015

Central Library

PROF. AND FACULTY-IN-CHARGE OF CENTRAL LIBRARY : B. N. Harish

BACKGROUND INFORMATION

The Central Library, JIPMER was established in the year 1957 at the erstwhile Medical college Buildings at Puducherry. It was shifted to the Banting Hall, JIPMER in the Year 1964. The central Library was finally shifted to the present centrally air-conditioned building and continued functioning from January 12, 1973.

Staff Pattern

1.	Asst. Library and Information Officer	1 no.
2.	Library Clerks	7 nos
3.	Library Attendants	3 nos

Sub Committee On Books Procurement

1.	Dr. C. Adithan, Prof. and HOD of Clinical Pharmacology	Chairman
2.	Dr. G.K. Pal, Prof. and HOD of Physiology	Member
3.	Dr. S. Vinod Kumar, Prof. and HOD of Pulmonary Medicine	Member
4.	Dr. B. Gitanjali, Professor of Pharmacology	Member
5.	Dr. Mrs. D. Kadambari, Professor of Surgery	Member
6.	Dr. B. N. Harish, Prof. and HOD of Microbiology and Member Secretary Faculty-In-Charge of Central Library	Member Secretary
7.	Mrs. Kalyani Sathiyakumar Asst. Library and Information Officer	Library Support Staff

Sub Committee on Journal Procurement

1.	Dr. Ashok Shankar Badhe, Prof. and HOD of SSB	Chairman
2.	Dr. G.K. Pal, Prof. and HOD of Physiology	Member
3.	Dr. S. Vinod Kumar, Prof. and HOD of Pulmonary Medicine	Member
4.	Dr. Mrs. D. Kadambari, Professor of Surgery	Member
5.	Dr. B. N. Harish, Prof. and HOD of Microbiology and Member Secretary Faculty-In-Charge of Central Library	Member Secretary
6.	Mrs. Kalyani Sathiyakumar- Library Support Staff, Asst. Library and Information Officer	Library Support Staff

Eligible Users

Faculty, Students of JIPMER and other medical and paramedical staff, retired faculty members, Students undertaking Project work in JIPMER upon collection of refundable caution Deposit. Short time permission to outsiders for few days at the discretion of the Faculty-In-Charge is also considered. The Working Hours of the Central Library is from 8.30AM to 10PM and it is open round the year except national holidays and other eight festival holidays in a year.

SERVICES

Book Section

The issue section has 3,607 books as on 31.03.2014 and are displayed in 27 shelves for issue to the eligible members of the Library. The reference section has 4,696 books as on 31.03.2014 in the medicine and allied subjects arranged in the order of basic subjects followed by clinical subjects and super specialty subjects which are available for reference to the eligible members of the Library. Transfer of condemned books from all the Departments to Central Library were initiated during January 2013 for centralized disposal.

There is a separate Book Bank from which books are issued to the SC/ST student's term basis through an additional membership card provided to them. About 50 students are currently availing this facility.

Question Paper Collection

The Central Library maintains a separate collection of previous years question papers for U.G. & P.G. courses for the reference of the users of the Library.

Journal Section

Current Journals

Current Journals Section has 136 (One hundred and Thirty Six) journals from national and international publishers subscribed for the year 2014. They are displayed subject wise in the display racks in alphabetical order.

WHO

A separate section of WHO publications is maintained in the library. There are 2,821 WHO publications available in the library and they are displayed in the racks. The Central Library subscribed to WHO Global Subscription Package for a sum of Rs. 75,000/- for the year 2014. An updated catalogue book providing all the WHO publication details is available in the Library and it may be provided on request for the users.

Theses

There is a separate section for the maintenance of theses and there are about 1900 theses /dissertations arranged according to their accession number and displayed in the racks provided in the Thesis section. An updated reference book containing all the dissertations/theses is maintained in the thesis section which will be available on request by the users.

Online Journals

Proquest

Library subscribes to the online database **Proquest Health and Medical Complete**. The Database covers all major clinical and healthcare disciplines, including medical sciences, immunology, pharmacy and pharmacology, nursing, physical fitness and hygiene, surgery and others. It provides in-

depth coverage from over 2,000 publications with more than 1,660 articles available in full text and of these, over 910 include MEDLINE indexing. The database includes all charts, diagrams, graphs, tables, photos and other graphical elements essential to medical research.

BMJ Online

BMJ Case Reports

It is an online only journal that delivers a focused, peer-reviewed, valuable collection of cases in all disciplines so that healthcare professionals, researchers and others can easily find clinically important information on common and rare conditions. This is the largest single collection of case reports online with more than 2,800 articles from over 70 countries.

BMJ BestPractice

It provides clinical decision support, practical support in diagnosis, treatment, prognosis and prevention. It also provides the latest research evidence, expert opinion and guidelines and on-the-spot access to thousands of diagnosis, diagnostic tests, images and references.

Computer Lab and Internet Services

The Central Library has a seminar hall cum computer lab with 31 computer terminals. Internet facility is available free of cost to the users during the working hours. The seminar hall of the Central Library has modern audio visual services including LCD projectors and sound systems which are made available to other departments for conducting Training programmes, orientation courses, seminars, conferences, workshops and extra classes for B.Sc. M.L.T., students and other UG and PG students.

Book Fair 2013

The book exhibition for the financial year 2013–2014 was organized from September 18 to 20, 2013 in Academic Centre, JIPMER. Nine nationally reputed book sellers from different states of India took part in the Book Exhibition. A total of 1186 books were purchased for Central Library, Department Library and Book Bank for SC/ST students.

Future Proposals

- i. Library Automation Proposal was started during April 2013 and it is likely to be completed in 2014.
- ii. E-Learning resource centre and Computer Lab II with 20 computers and Wi-Fi facility will be established in the journal section of the Library for the benefit of the users. The proposal is already under process.
- iii. New false ceiling to be laid in the main reading hall and in few other places in the Library.
- iv. Fire safety measures for the entire Library building to be implemented.

Statistics for the Year 2013–2014

Members	
New members	74
Members issued no due certificate	553
User Statistics (Library)	
Faculty	635
SRs, JRs	7,932

(Continued)

Students	21,485
Staff Members	684
Users from other institutes	2,158
Total	32,894
User Statistics (Computer Centre)	
Faculty	69
SRs, JRs	1,508
Students (UG)	8,136
Total	9,713
Amount Spent (in Rupees)	
Books	52,47,275
Print Journals	86,26,880
Online Subscriptions	10,86,400
Binding of Journals	3,34,000
Computers Lab II with Wi-Fi facility	22,46,080
Computer Lab Onsite Service Engineer Maintenance	1,92,000
Aluminium Partition work for E-Learning Resource Centre	78,750
Total	1,78,11,385
Books	
Total No. of Books Available in Central Library – Reference and Issue Books	7,362
Total No. of Books Procured for Central Library/Department Library/Book Bank	1,186
Journal Subscriptions	
Total No. of Journals Subscribed	136
Online Databases	Proquest and BMJ
Bound Volume Section	
Total no. of bound volumes	34,500
New Bound Volumes added	2,400
Book Fair	
No. of Booksellers Participated	9
Value purchased	52,47,275
Income Earned Under Different Headings	
Overdue Penalty (Rs.)	325.00
Book fair entry fee (Rs.)	90,000.00

Central Sterile Supplies Department (CSSD)

1. ADMINISTRATIVE HIERARCHY,
OFFICER IN-CHARGE : i. Betsy Mathai
2. CHIEF MEDICAL OFFICER (NFSG)

BACKGROUND INFORMATION

The Central sterile supplies Department caters to the need for sterile materials for patient care, laboratory use and research in the entire hospital, the rural and urban health centers and the non-clinical departments. The main supply includes syringes, needles, IV sets, gloves, caps, masks, disposable aprons, dressing materials and treatment trays. Treatment trays and dressing materials are prepared, packed and sterilized in the CSSD before being supplied to various user areas. In addition, prepared and packed items from wards are also received and sterilized.

The CSSD has a floor area of 12,000 sq. feet and is located on the ground floor of the pharmacy Block. The working hours of the CSSD are from 7.30 AM to 9.00 PM. Due to increased work load, the staff members of the CSSD are presently working in two shifts (7:30 AM to 4:00 PM and 2 PM to 9 PM)

Name of Staff Posts and Numbers

Office Staff

- i. Officer In-charge- 1
- ii. Lower Division Clerk- 1
- iii. Store Keeper- 1

Packing Staff

- i. Senior Technician – 1
- ii. Assistant – 12
- iii. Attendant – 11
- iv. Redeployed staff – Group IV employee - 1

Auto Clave Staff

- i. Sr. Technician – 1
- ii. Technician – 4
- iii. Electro mechanic –1
- iv. Attendant – 1
- v. Trainees – 3
- vi. Redeployed staff – Group IV employee – 3

Services Provided With Statistics for the Year

Dressing Materials

Around 70 dressing bins containing cotton, gauze and pads as well as OT and ward packs are sterilized and supplied to all OTs and wards daily.

Treatment trays:- (26 varieties) – 200 per day.

Ventilator accessories and accessories of other costly equipments are sterilized in the ethylene oxide sterilizer (1 load per day) and plasma sterilizer (3 loads per day).

Average weekly turnover of some important disposables supplied from the CSSD.

S. No.	Name of the Item	Approximate Quantity Issued Weekly
1.	Normal syringes (1ML, 2ML, 5ML,10ML, 20 ML, 50ML)	57,000 Nos.
2.	Auto break syringes (2ML, 5ML, 10ML)	15,000 Nos.
3.	Latex rubber gloves (Surgeons, Unsterile and Sterile)	94,000 Nos.
4.	Needle (18, 20,21,22,23,24,26 G)	49,000 Nos.
5.	Mask	22,000 Nos.
6.	Intravenous (IV) Set	9,000 Nos.

Achievements/Significant Events During the Year

NIL

Central Stores

1. CHIEF MEDICAL OFFICER (SAG) AND OFFICER IN-CHARGE : Rajan Swain

BACKGROUND INFORMATION

The Central Stores procures and issues many items required for patient care as well as for use in various areas of the Hospital and the Institute. It also disposes of condemned items from the whole Institute and Hospital by public auction. It consists of the following units:

- i. Sutures
- ii. Surgical items and sterilizing fluids
- iii. Furniture
- iv. Contingent and sanitary items
- v. Condemnation

ADMINISTRATIVE HIERARCHY

Stores Officer
 Stores Superintendent (currently vacant)
 Stock Verifiers (2) (currently vacant)
 Storekeepers (4)
 Attendant/Helper/Daily rated labour (2)

Services Provided and Statistics

Budget Allotment 2013–2014 (in Rupees)			Expenditure 2013–2014 (in Rupees)	
1. Sutures and Disinfectants				
Non Plan	Sutures and Disinfectants	30,000,000.00	Liabilities	42,96,778.00
Plan	Sutures and Disinfectants	20,000,000.00	Booked	3,12,48,234.00
Total		50,000,000.00	Total	3,55,45,012.00
Supply Orders Placed for the Year 2013–2014				4,69,00,862.00
2 Surgical Items (Budget Allocation Common to CSSD and Pharmacy)				
Non-Plan	Surgical Items	4,50,00,000.00	Liabilities	3,74,317.00
Plan	Surgical Items	4,50,00,000.00	Booked	96,32,195.00
Total		9,00,00,000.00	Total	1,00,06,512.00
Supply Orders Placed for the Year 2013–2014				1,44,98,232.00

(Continued)

Budget Allotment 2013–2014 (in Rupees)			Expenditure 2013–2014 (in Rupees)		
3	Furniture				
	Non-Plan	Furniture Items	25,00,000.00	Liabilities	33,39,285.00
	Plan	Furniture Items	35,00,000.00	Booked	33,65,120.00
	Total		60,00,000.00	Total	67,04,405.00
	Supply Orders Placed for the Year 2013–2014				53,54,860.00
4	Contingent and Sanitary Items				
	Non Plan	Sanitary Items	10,00,000.00		
	Non Plan	Chappals	3,00,000.00	Liabilities	20,63,311.00
	Plan	Hospital Waste Management	45,00,000.00	Booked	69,46,784.00
	Total		58,00,000.00	Total	90,10,095.00
	Supply Orders Placed for the Year 2013–2014				1,02,73,809.00
5	Condemnation Auction Sale				
		Costly and Non-Costly			6,78,910.00
	Total				6,78,910.00

Central Workshop

OFFICER IN-CHARGE : Gautam Roy Professor and Head of PSM

BACKGROUND INFORMATION

The Central Workshop of JIPMER is as old as the Institute. With the inception of JIPMER, the Central Workshop was started with the primary objective of maintenance and repair of electrical and mechanical equipment, carpentry and civil works, catering to the repair and maintenance needs of various departments and laboratories of JIPMER.

Staff Position in Central Workshop

1.	Store Keeper	-01 post
2.	Senior Refrigeration Mechanic	-01 post
3.	Mechanic	-01 post
4.	Senior carpenter	-01 post
5.	Electro Mechanic	-02 posts
6.	Refrigeration Mechanic	-01 post
7.	Sheet metal maker	-01 post.
8.	Fitter	-01 post
9.	Arc gas welder	-01 post
10.	Painter	-01 post
11.	Carpenter	-01 post
12.	Workshop attendant	-01 post
13.	Weaver	-01 post
14.	Blacksmith	-01 post
15.	Safaiwala	-01 post
16.	Furniture Re-caner	-02 posts (01 Vacant)
17.	Manager	-01 post (Vacant)
18.	Foreman	-01 post (Vacant)

SERVICE PROVIDED

The Central Workshop of JIPMER performs repair and maintenance of equipments/instruments used for medical education, scientific research, hospital and patient care services. In addition to the repair and maintenance, fabrication works and procurement of new equipments/instruments are also carried out in the Central Workshop.

REPAIR AND MAINTENANCE

Repairs of refrigerators, water coolers, deep freezer, trolleys, sterilizers, centrifuges, wooden items, re-caning of chairs, BP apparatus, cots, cupboards, geysers, pedestal fans, carpentry works such as making of writing boards, form racks, repairing of wooden racks, cupboards, etc. are carried out by the Central Workshop. Maintenance of telephone lines and repair of telephones are also carried out by the Central Workshop.

FABRICATION WORKS

Welding and repair of patient, medicine and kitchen trolleys, sterilizers and SS bins, wheel chairs, cots, cupboards, file cabinet, locks etc. are being done in the Central Workshop.

STORE

Machinery and equipments like lathe machine, grinding machine, drilling machine, arc and gas welding machine, saw machine, air compressor, pipe bending machine, sheet cutting machine etc. are available for regular works of the Central Workshop. The consumable and non-consumable items for repairing and fabrication works are purchased through annual open tender and are kept in store for issue as required. Items like telephone instruments, geysers, water coolers, refrigerators, etc. are also being procured and issued through Central Workshop based on the requirements received from various departments of JIPMER.

STATISTICS FOR THE YEAR 2013–2014

Over 5,000 work orders for repair works were received by the Central Workshop in the year 2013–2014. The total expenditure for the Central Workshop for the financial year 2013–2014 was Rs.10,11,600/-, mainly incurred on purchase of wheels, paints, telephone items, electrical spares, refrigerators, MS rod/welding components and Carpentry items (Plywood, mica sheets, etc.).

Dietetics

ADMINISTRATIVE HIERARCHY

ADMINISTRATIVE CONTROL : Syed Habeebullah, Prof and Head,
Dept. of Obst. and Gynae and Officer of over
all- in-Charge of Dietetics and Linen

C.B. Unnikrishnan, Officer- in-Charge

Revathi Srinivasan, Senior Dietician.

BACK GROUND INFORMATION

Establishment of the Department

This is one of the oldest departments and it is providing hygienic and healthy diet to all the in-patients. This department is supplying both therapeutic and normal diet to the patients. The diet prepared in very hygienic manner using steam cooking and avoiding hand touch to the maximum extent possible.

Menu

The department is supplying a healthy menu with variety to the inpatients as detailed below:

BREAK FAST	Multigrain bread/Pongal/Rava Kitchedi/Wheat Pongal/Broken Rice Upma Milk/Coffee, Butter/Jam and Boiled Egg
10.00 A.M	Fruits, Milk, Sago Payasam, Veg. Soup, Oats Porridge, Sour Lime, Soya Milk Konjee, Mixed Cereal Porridge, Raw Egg and Biscuits
LUNCH	Raw Rice/Boiled Rice, Vegetable Sambar, Vegetable Poriyal, Extra Poriyal, Greens, Curd Rice, Egg/Dhal/for high protein
03.00 P.M	Milk for children, Tea and Wheat Payasam for therapeutic and special diet, Rice Flakes (aval) Ball for children
DINNER	Raw Rice/Boiled Rice/Wheat Rice/idly, Sambar, Poriyal, Extra poriyal, Sundal, Curd etc.
08.00 P.M	Milk for children, therapeutic and special diet
	Cereals and Pulses mixed Laddu for children are given thrice a week Idly once a week
	Wheat Rice for diabetic patients
	Soya Milk Konjee
	Oats Konjee
	Special formula feed for F-75 & F-100
	BMT - 13
	126-B

Staff Pattern

Officer of overall In-Charge (Laundry and Dietetics)
 Officer-in-Charge
 Senior Dietician (1 post)

Other Staff

1.	Dietician – 1
2.	Junior Dietician - 4
3.	Store keeper - 1
4.	Steward – 2
5.	Boiler Attendant -1
6.	Boiler Attendant (Contract basis) – 2
7.	Head Cook/ Senior Cook – 6
8.	Cooks – 25
9.	Helpers - 7
10.	Peon - 1
11.	Data Entry Operator - 1

Service Provided (2013–2014)

Supply of nutritious health food for the indoor patients of the hospital according to the daily needs of all patients.

Total number of in-patient diets	= 1650	} 1650
Old block	= 800	
Super specialty block	= 300	
WCH	= 480	
Rcc, ICU & Rcc Spl. indoor and OPD patients	= 70	

Types of Diets Prepared Normally In Hospital

Normal Diet, Full Liquid Diet, Soft Diet, Bland Diet, Salt Restricted Diet, High Carbohydrate Diet, High Protein Diet, High Carbohydrate Low Protein Diet, High Carbohydrate Low Fat Diet, High Fiber Diet, Diabetic Diet, Diet for Burns Patients Special Diet, Uremic Diet(Low Protein Diet), Low Residue Diet.

Academic Service Provided

- i. Conducting regular nutrition classes for B.Sc., Nursing 1st year students with practical classes (weekly two classes). Number of nursing students trained in the year 2013–2014. (75 Nos.)
- ii. Internship training for post graduate students given for 1 month in each academic year. Number of students (10) from Pondicherry University and Barathidasan women’s college and 1 student, RD interns Puducherry. Classes were conducted for MRT/MRO trainees.
- iii. The students of II and III B.Sc. (19 students) and 2 staff, Nutrition and Dietetics from Department of Achariya Arts and Science College Villianur are visited the Dietetics department.

Diet Counseling for the Patients

- i. Monday and Tuesday – Diabetic clinic in OPD, SS block (2400 patients per year App.)
- ii. Individual Diet advice to patients as directed by the doctors (both indoor and outdoor) – 700 patients per year (App.)

- iii. Awareness program for diabetic patients in Endocrinology ward once or twice in a week
- iv. Monday and Friday -Nephrology clinic in OPD SS block
- v. Regular ward rounds & diet counseling every day to needy patients.

Statistics of the Year 2013–2014

- i. Total No. of indoor patient is 5,01,734 for whom diet was supplied for the year 2013–2014
- ii. Budget utilized/allocated for the year 2013–2014 is Rs. 2,57,25,660/-

About 1,650 diets are supplied daily

Normal	180
Milk and bread	10
Fluid diet	220
High protein diet	1,015
Therapeutic diet	225

Significant Events

- i. Senior Dietician Mrs. Revathi Srinivasan delivered a talk on the topic for the workshop “Health Awareness” for Sourapet “Sree Muthalamman Women Self Group people” on October 21st, 2013 Monday at the S.A. Visalakshi Kalyana Mandapam, Thirukkanur.

Future Plans

- i. To conduct “Diet Awareness Program for Staff” twice a week.
- ii. To start PG Diploma in Nutrition Course.

The Engineering Division

ADMINISTRATIVE HEAD

: K. Srinivasan

Senior Professor and Head of the Department of Surgery and Officer In-Charge of Engineering Division JIPMER.

BACKGROUND INFORMATION

- i. Engineering Division was initiated to maintain the Hospital areas. It coordinated the maintenance work of the hospital area with CPWD and HLL, which is involved in the project work. Wherever the work was urgent or outside the ambit of the two major agencies, Engineering Division executed the work on its own by employing contract personnel. Engineering Division coordinated the request for additional installations with the HLL and CPWD. Checking of the estimates and progress reports sent by CPWD was done as a part of the routine work.

NAMES OF THE STAFF(S) POST AND NUMBER(S)

- i. Engineer In Charge Electrical—1
- ii. Junior Engineers Electrical—2
- iii. Junior Engineer Air conditioning—1
- iv. Assistant Engineer Civil—1
- v. Junior Engineer Civil—1

SERVICES PROVIDED WITH STATISTICS

Complaints attended

- i. Thirty-nine complaints were forwarded to CPWD (Civil).
- ii. Five complaints were forwarded to HLL (Civil Wing).
- iii. Fifty-four complaints were forwarded to CPWD (Electrical).
- iv. Three complaints were forwarded to HLL (Electrical Wing).

The complaints were followed up for necessary corrective action.
Apart from the above, Engineering Division executed.

- i. Rewiring of community Hall and Old Guest House and Provision of Air conditioners at Old guest House.
- ii. Renovation of Community Hall Toilets.
- iii. Servicing and refilling of 682 fire extinguishers in the Old Hospital block, Administrative block, Auditorium and at Ancillary Services.
- iv. Installation of 38 numbers of water purifiers.

- v. Servicing of 16 numbers of water purifiers.
- vi. Installation of 16 numbers of repellant lights.
- vii. Partition of waiting area for visitors of MS.

ACHIEVEMENTS/SIGNIFICANT EVENTS DURING THE YEAR

- i. Harnessing Solar Energy to provide solar water heater for the Staff canteen.
- ii. Coordinating the installation of Solar Power panels to generate 50 KW Power to supply the needs of nursing College and part of EMSD.
- iii. Commissioning of Chennai Guest House with necessary furnishing to provide Hospitality for ISEMT 2014 Delegates and Delegates of the Public Health Retreat.

Hindi Cell And Official Language Implementation

1. Professor of Pathology and Officer-In-Charge : Surendra Kumar Verma
2. Senior Hindi Translator : N. Kamatchi
3. Junior Hindi Translator : V. Ranjith

BACKGROUND INFORMATION

Hindi Cell is functioning in this Institute from the very inception to implement the Official Language (Rajbhasha) Policies of the Government of India. Out of the six posts sanctioned, only one SHT and one JHT along with one Data Entry Operator are position now to manage the entire workload. The Cell is responsible for all the works related to translation which are required as per Official Language Act and assists in preparation of all relevant documents in bilingual form. It also co-ordinates in preparing database for the reports in the form of regular quarterly, half yearly and annual reports indicating progressive use of Hindi in this institute and its compilation and transmitting to the authorities concerned in the Ministry and Regional implementation offices. The concept of inducting a Teaching Faculty to co-ordinate the affairs of Hindi Cell, in the absence of an Hindi Officer, was evolved very recently, otherwise, as per the guidelines of DOL, during the past several decades the Hindi Cell was being directly supervised by Deputy Director (Administration) or OSD (Administration).

STAFF POSTS

Hindi Officer	1 (Vacant)
Senior Hindi Translator (SHT)	1
Junior Hindi Translator (JHT)	3 (2 Vacant)
Typist	1 (Vacant)
Data Entry Operator	1

SERVICES PROVIDED WITH STATISTICS

Hindi Library

This institute has a rich collection of Hindi books. More than two thousand books in Hindi on various subjects including technical, administrative matters and also on fiction are available in the Central Library and Hindi Cell. Every year new collection of Hindi books is also received from the Central Hindi Directorate, New Delhi. In addition, a number of magazines on official language are also received from other organizations which help in creating interest for learning Hindi.

WEBSITE OF JIPMER IN HINDI

Hindi version of Website of JIPMER (www.jipmer.edu) is updated periodically. On this Website information regarding JIPMER is available in Hindi. Preparation of Bilingual Website is one of the achievements as per the target of the Annual Programme issued by the Department of Official Language.

HINDI TRANSLATIONS

Hindi Cell undertakes the translation work of all the communications, such as Official Reports, Circulars, Office Memorandum, Standard Forms, Notifications, Performance Budget, Annual Report, Citizens Charter etc., and coordinates in issuing all in bilingual form (Hindi and English). It also translates and coordinates in making all the name boards, sign boards, rubber stamps, letter heads, logos, etc., in bilingual form. So far, more than 70 forms were received from MRD and Purchase Section and have been translated and nearly 200 standard forms were translated and available in bilingual form. The Hindi translation work of the Annual Report of the Institute for the year 2009–2010, 2010–2011, 2011–2012 and 2012–2013 was undertaken by Hindi Cell and more than 80 percent of translation assignment was completed indigenously by SHT and JHT with support of Data Entry Operator.

Town Official Language Implementation Committee

This Institute continued to function as Secretariat of the Town Official language Implementation Committee (TOLIC) of Puducherry and the Director of the Institute is designated as Chairman of this Committee since 1986. In accordance to official language rules this committee was constituted for Official Language implementation in all the Offices of Central Government, Public sector/undertakings, including Banks and Insurance corporations in Puducherry. The Official Language Implementation programme has its Regional Implementation Office (South-West) at Cochin, Kerala, under Department of Official Language (DOL), Ministry of Home Affairs (MHA), Government of India.

Apart from holding regular bi-annual meetings to review and monitor the implementation work, this Committee has several achievements and awards to its credit towards its contribution in promoting progressive use of official language in its member offices. It has the honour of receiving the award of “Rajbhasha Shield” in the year 1986–87 and again in 1994–95 from DOL, MHA, Government of India for the commendable work in promoting Official language. It has set a high standard in its functioning and implemented several incentive schemes for promoting the use of Hindi in all offices in Puducherry and has been adjudged third among the TOLICs of southern west region in promoting Official language Implementation work.

Hindi Cell, JIPMER, is also extending co-operation to the member offices of Puducherry, Town Official Language Implementation Committee in connection with implementation of Official Language.

IMPORTANT EVENTS

Under the auspices of TOLIC, in the mark of Hindi day, every year Hindi Fortnight is celebrated at this institute during the month of September. This is a most popular annual event in connection with activities related to Official language. Several programmes and competitions in Hindi are organized and conducted during this occasion. Students of all schools, colleges and university of Pondicherry are also invited for participation in the competitions. This innovative approach has made tremendous success in propagating and promoting Hindi. During the period under report Hindi fortnight was celebrated on behalf of TOLIC from September 15 to 30, 2013. The details are as follows:

S. No.	Name of the Competition	Date	Number of Participants
1	Sundar Likhavat	17.09.2013	65 (4 Level)
2	Shrut Lekhan	18.09.2013	14 (1 Level)
3	Shabda Sakthi Pratiyogita	18.09.2013	15 (2 Level)
4	Match the Pair	18.09.2013	16 (2 Level)
5	Masouda Lekhan	19.09.2013	06 (1 Level)
6	Translation Competition	19.09.2013	05 (1 Level)
7	Hindi Singing Competition	20.09.2013	19 (3 Level)
8	Quiz	23.09.2013	26 (3 Level)
9	Kavitha Path Pratiyogita	24.09.2013	63 (5 Level)
10	Power Point Presentation	25.09.2013	19 (2 Level)
11	Elocution Competition	26.09.2013	15 (3 Level)
12	Story Writing	27.09.2013	14 (2 Level)
13	Essay Competition	30.09.2013	16 (2 Level)
14	Variety Programme	08.10.2013	132 (2 Level)

Total Number of Participants in the Competitions

I. Educational Institutions		
1. Schools	-	273
2. College and University	-	48
II. Officers/employees of member offices		
		92
III. Wards of the employees of member offices		
		10
		-
Total number of participants		423
		-

Prizes

I.		
1. First Prize	-	42
2. Second Prize	-	46
3. Third Prize	-	49
4. Consolation Prize	-	46
II. Variety Programme—Shield		
1. First Prize	-	02
2. Second Prize	-	03
3. Third Prize	-	01
4. Consolation Prize	-	01
III. RAJBHASHA SHIELD—(For Member Offices)		
1. CENTRAL GOVT. OFFICES CATEGORY		
1. Customs and Central Excise	-	I Prize
2. Census Operations	-	II Prize
2. BANKS CATEGORY		
1. Indian Overseas Bank	-	I Prize
2. Bank of India	-	II Prize

3. AUTONOMOUS AND UNDERTAKINGS CATEGORY		
1. Kendriya Vidyalaya No. 1.	-	I Prize
2. All India Radio	-	II Prize
3. SIDDHA Regional Research Institute	-	II Prize
4. Gail India Limited	-	III Prize

JIPMER HINDI DIWAS/WEEK CELEBRATIONS-2013

HINDI DIWAS/Week—2013 was celebrated as usual this year also and various competitions in Hindi were organised during the Celebrations for the staff members in connection with Hindi Diwas/ Fortnight Celebrations. The details of the programme and competitions are as follows.

S. No.	Name of the Competition	Date	Number of Participants
1	Sundar Likhavat	10.09.2013	42
2	Shrut Lekhan	10.09.2013	16
3	Match the Pair	11.09.2013	18
4	Essay Writing	11.09.2013	05
5	Masouda Lekhan	12.09.2013	06
6	Anuvad Pratiyogita	12.09.2013	04
7	Hindi Singing Competition	20.09.2013	09
Total			100

The celebrations were jointly held with TOLIC Puducherry on November 21, 2013 at 3.30 PM in the JIPMER, AUDITORIUM. The Chief guest Dr. T.S. Ravikumar, Director, JIPMER and Chairman TOLIC appreciated the activities of TOLIC. Smt. Sridevi Srinivasan, Divisional Manager, The New India Assurance Company Ltd., Puducherry, guest of honour and Dr. G.S. Gaur, Additional Professor, Department of Physiology, JIPMER and Secretary, Town Official Language Implementation Committee (TOLIC), Puducherry and Shri. C.B. Unnikrishnan, Administrative Officer, JIPMER and Acting Officer-in-charge Hindi Cell, JIPMER Puducherry also spoke on the occasion. Prize distribution ceremony was held and Winners of various competitions and staff who worked in Hindi were awarded with the prizes along with the certificates on this occasion.

JIPMER Official Language Implementation Committee

As per the schedule of Official language rule, JIPMER Official Language Implementation Committee (JOLIC) at the level of Institute holds meetings regularly at quarterly interval. It reviews the progress and proposes steps to be taken for further improvement in the implementation work in the Institute. To meet the requirement of annual programme of Official language of GOI the computers in the Institute are having facility of Hindi software and also the facility to work in bilingual form.

HINDI TEACHING SCHEME

This Institute is designated as centre for Hindi teaching under Department of Official Language, Ministry of Home Affairs, Government of India, with its regional office of Hindi Teaching Scheme (HTS) at Chennai. Recently, during June-July, 2011, the centre was upgraded as “Sub-Institute” under HTS and its establishment is under progress. Under the programme an Assistant Director (Bhasha) is posted by Department of Official Language (DOL), Ministry of Home Affairs (MHA), GOI, New Delhi. This caters to the need of Hindi teaching for all employees of Central Govt. Offices, Public

Sector and autonomous bodies, Banks and Insurance Companies of Puducherry. This centre has a lecture theatre and a Hindi class room with the modern facility of audio-visual aids for Hindi teaching. During the year, apart from regular Hindi classes, contact programme for correspondence courses were also conducted, especially, during the periods when the Hindi Teacher or Pradhyapak was not posted under HTS. In addition to these set-ups workshops and training programmes in official language work, translations, Hindi typewriting etc. are regularly organized at this Institute. The position regarding training and the working knowledge of Hindi of the Officers and Staff working at various levels are maintained through a “training roaster”. The number of staff members who have already been trained up to the level of Prabodh/Praveen/Pragya courses, and also who are yet to be trained in Hindi are sorted out and nominated by Administration in coordination with Hindi cell for each session of these courses. Incentives for acquiring working knowledge in Hindi, by passing the prescribed examinations, are sanctioned by respective administrative sections as per the eligibility of the candidates who passed examinations, following the norms prescribed by Government of India.

HINDI TYPING TRAINING

As per the assurance given to the Parliamentary Committee 11 LDCs are to be trained in Hindi Typewriting. Hindi Cell initiated the works to enrol them in the training programme of the Hindi Teaching Scheme, though, DOL, New Delhi (Correspondence Course), and for the first time, JIPMER conducted Hindi Typewriting Examination at Puducherry. So far 24 staff members were trained in Hindi Typewriting.

HINDI TRAINING

During the July, 2013 session, the staff members enrolled as regular candidates under the training courses conducted by Hindi Teaching Scheme, JIPMER and examinations were conducted by the month of November 2013, the details are as follows:

- i. Prabodh—28 staff members were passed
- ii. Praveen—09 staff members were passed
- iii. Pragya—05 staff members were passed

For January, 2014 session 88 staff members are nominated for Prabodh course, 51 staff members are nominated for Praveen course and 07 staff members are nominated for pragya Course.

Horticulture

FACULTY LIST

- | | | |
|--------------------------------|---|---------------------------------------|
| 1. Accounts Officer-in Charge | : | A. Selvam |
| 2. Superintendent Horticulture | : | S. Sakthivel |
| 3. Head Gardener | : | i. V. Ganesan
ii. A. Abdul vadoodh |

INTRODUCTION

“Have you thanked a green plant today”? We should thank green plants for providing the food we eat, fiber for clothing we wear, wood for building our houses, and the oxygen we breathe without plants, human and other animals simply could not exist. On psychologist prospective, plants also provide a sense of well-being and peace of mind. This is another important reason for preserving trees in our campus. Gardening is one of the valuable hobbies which in recent years being increasingly adapted in our campus.

Geographical area in JIPMER is nearly 197 acres which is covered with Buildings, Garden and few grooves of forest. Each building has its own landscape for beautification and pleasant atmosphere. The greeneries will give peaceful mind to patients as well as residents of campus.

The following places have garden and are maintained by us.

- i. Opposite Admn block.
- ii. Vesalius square.
- iii. Opposite M.S Office
- iv. Library and Saraswathy statue
- v. Dhanvantari statue (Nursery)
- vi. Main entrance.
- vii. Median.
- viii. Opposite to super specialty block and inside SSB.
- ix. Block well
- x. Directors bungalow
- xi. Regional cancer centre
- xii. Nursing college and Hostel
- xiii. Gandhi park
- xiv. Guest house I and II
- xv. Community Hall
- xvi. Auditorium
- xvii. Reception, Dhinker statue
- xviii. Women and children Hospital, In between IPD and WCH
- xix. JIPMER Academic center
- xx. Hostel complex and playground

STAFF PATTERN

The department includes 2 head gardener, 14 assistant gardener and 19 DRL, who work to upkeep the greenery of the entire campus.

SERVICES PROVIDED

- i. Development and establishment of New Garden.
- ii. Maintenance of Developed garden.
- iii. Development and maintenance of Water Fountain
- iv. Collection and conservation of Herbal plants.
- v. Adopting micro irrigation system for conserving water. (Sprinkler system)
- vi. Development of Topiary garden.
- vii. Development and maintenance of park.
- viii. Afforestation.
- ix. Training and pruning.
- x. Nursery development and maintenance.
- xi. Interior flower decoration.
- xii. Arrangement of flower vase, bokhais and floral Rangoli.
- xiii. Cultivation of cut flower (Gladiolus, Chrysanthemum) and other Annuals.

STATISTICS OF THE YEAR

In this year, the following arrangements have been made by our department.

1. Flower vase arrangement	4,000 Nos
2. Bokias	90 Nos
3. Interior stage decoration	8 times
4. Wreath arrangements	14 nos

ACHIEVEMENTS/SIGNIFICANCE EVENTS

- i. **Advance Tools and Equipments.**
 - a. Petrol chain saw—for training and pruning of trees.
 - b. Petrol Hedge trimmer- for edge cutting.
 - c. Electrical Hedge trimmer- for edge cutting.
 - d. Petrol Lawn mower- for Mowing Lawn
 - e. Battery operated sprayer- for spraying pesticides and fungicides.
 - f. Power tiller with truck- for transporting flower pots and manure.
 - g. Telescopic tree pruner- for cutting tree branches from the ground.
 - h. Sprinkler double nozzle-for sprinkler system of irrigation.
 - i. Separate office building inaugurated by the Director, JIPMER on 01.07.2011.
 - j. Sprinkler irrigation system installed at Auditorium garden.
 - k. High mast illumination system fixed at Gandhi Park.
 - l. This department cultivating medicinal plants and supply to Ph.D., students for undertaking Research work in our institute. (*Costus igneus* and *Tephrosia purpurea*)
 - m. Chipper cum Shredder machine purchased for shredding the tree branches and then converted into compost for plants
- ii. **Establishment of water fountain**
 - a. Opposite M.S office
 - b. Dhanvantari statue

- c. Auditorium.
- d. Women and children Hospital
- e. JIPMER Academic center
- iii. **Installation of sprinkler system**
 - a. Opposite to MRD Garden
 - b. Nursing college
 - c. Mobile sprinkler at Different places
 - d. Auditorium Garden
- iv. JSA organized tree planting programme and sponsored nearly 500 nos of sapling. Faculties, students and staffs actively participated in this event.
- v. Earth day was observed on 22nd of April 2013 and Director inaugurated the programme by planting saplings. This event was successful with full participation from faculties, staffs and students. It was announced in this meeting that 2,500 sapling will be planted in our campus with this year. The department of horticulture successfully planted the above said number of samplings with the stipulated time.
- vi. Alumni of 1988 batch planted 150 saplings this year and further they took responsibility for maintaining them for 3 more years.

FUTURE PLANS

- i. Procurement of following additional equipment
 - a. Playing equipment for Gandhi Park.
 - b. Lawn mower for cutting grass.
 - c. Tractor with Truck for Transport purposes.
 - d. Petrol operated Telescopic tree pruner.
 - e. Solar powered motor pump for running sprinkler system of irrigation
- ii. To develop a herbal garden inside the campus
- iii. Playing videos on importance of growing trees inside the Gandhi Park for visitors.
- iv. To conduct training programme to staffs, inmates of the campus who are interested in learning Ornamental Gardening, Home garden, integrated water management system.

Hostels

STAFF:

Harvey House Hostel I

1. Warden : Syed Habeebullah, (Prof. and Head of Women and Children's Hospital)
2. Deputy Warden : Debductta Basu (Prof. of Pathology)

Lister House Hostel

(Till 05.09.2013)

1. Warden : C. Adithan, (Prof. and Head, Department of Pharmacology)
2. Deputy Warden : K.C. Premarajan, (Prof. of Preventive and Social Medicine)

(From 06.09.2013)

3. Warden : K.C. Premarajan, (Prof. of Preventive and Social Medicine)
4. Deputy Warden : Sriram Krishnamurthy, (Associate Prof. of Paediatrics)

Blackwell House Hostel I

1. Warden : Latha Chaturvedula, (Prof. of Obstetrics and Gynaecology)
2. Deputy Warden : Jharna Mandal (Associate Prof. of Microbiology)

Nightingale House Hostel

1. Warden : M.J. Kumari, (Vice Principal, College of Nursing)
(Till 30.09.2013)
2. Warden : Lakshmi Ramamoorthy, (Lecturer, College of Nursing)
(From 01.10.2013)
3. Residential Warden : Suthendrabai Rajadurai (Till 24.09.2013)

New Hostel Complex Harvey House Hostel II and III

1. Warden : Syed Habeebullah, (Prof. and Head of WCH)
2. Deputy Warden : Debductta Basu (Prof. of Pathology)

Blackwell House Hostel II

1. Warden : Latha Chaturvedula, (Prof. of Obstetrics and Gynaecology)
2. Deputy Warden : Jharna Mandal (Associate Prof. of Microbiology)

Osler House Hostel

(Till 05.09.2013)

1. Warden : C. Adithan, (Prof. and Head, Department of Pharmacology)
2. Deputy Warden : K.C. Premarajan, (Prof. of Preventive and Social Medicine)

(From 06.09.2013)

3. Warden : K.C. Premarajan, (Prof. of Preventive and Social Medicine)
4. Deputy Warden : Sriram Krishnamurthy, (Associate Prof. of Paediatrics)

Curie House Hostel I
Curie House Hostel II

1. Warden : Latha Chaturvedula, (Prof. of Obstetrics and Gynaecology)
2. Deputy Warden : Jharna Mandal (Associate Prof. of Microbiology)
3. Deputy Warden : Soundaravalli (Associate Prof. of Biochemistry)

The Hostels are situated in the campus of the Institute. There are several hostels with total capacity of 20 married rooms, 342 double rooms and 1,027 single rooms.

Residences

S. No.	Hostels	Single Rooms	Double Rooms	Number of Married Senior Residents Rooms	Number of Inmates
1.	Harvey House I	200	-	-	112
2.	Harvey House II	137	-	-	94
3.	Harvey House III	40		20	51
4.	Lister House	54	64	-	56
5.	Blackwell House I	62	-	-	24
6.	Blackwell House II	98	-	-	83
7.	Nightingale House	73	76	-	135
8.	Osler House Hostel	120	101	-	244
9.	Curie House I	120	101	-	299
10.	Curie House II	123		-	103

GENERAL FACILITIES

- i.** Hostel facilities are provided to MBBS, MD/MS, PhD, DM/M.Ch, B.Sc. (MLT), MRT, MRO and B.Sc. (Nursing) students. Hostel facilities are also provided to Senior Residents and Junior Residents (Non-Postgraduate).
- ii.** The Hostel rooms are spacious and well ventilated. The Hostels have recreation facilities, sanitary facilities and 24 h supply of good drinking water.
- iii.** Security personnel are provided to each hostel.
- iv.** Medical facilities are provided free of cost by JIPMER.
- v.** Sports facilities for outdoor game such as Volleyball, Badminton, and Tennis are available. Adequate facilities are available for indoor games such as Table Tennis, Chess and Carom.
- vi.** In old hostels the Mess is run by students on dividing system basis and the Mess Committee oversees the functioning of the mess. The Committee members are selected by election. In the new hostel complex there is a common mess with a dining hall to accommodate 1,000 persons in the first floor of common facility building.
- vii.** The old hostels are maintained by the Central Public Works Department and the new hostel complex is maintained by HLL.

JIPMER Healthy Lifestyle Center

- | | | |
|-----------------------------------------------------------------------------------------------------|---|----------------|
| 1. MEDICAL SUPERINTENDENT, SENIOR PROFESSOR OF CARDIOLOGY & HOD OF HEALTHY LIFESTYLE CENTER, JIPMER | : | J. Balachander |
| 2. YOGA INSTRUCTOR | : | S. Navasakthi |

BACKGROUND INFORMATION

The Healthy Lifestyle Centre in JIPMER was established in the year 2007 with limited staff and equipment. It is situated in the Institute main block near M.S. office. It is well connected with the other Departments also.

It is mainly concerned with the prevention, treatment and health education regarding Non Communicable Diseases (NCD)

ACTIVITIES OF THE HEALTHY LIFESTYLE CENTRE

- i. To promote healthy lifestyle among general public, staff and their dependents
- ii. To counsel the patients about lifestyle modification
- iii. To conduct staff wellness and police wellness programme
- iv. To provide therapeutic yoga therapy to the needy patients
- v. To provide consultation and physical examination for the patients referred to the Centre
- vi. To conduct health promotion campaign and to create awareness among general public
- vii. To give healthy dietary advice for needy people
- viii. To conduct yoga classes for JIPMER staff, dependents and general public
- ix. To conduct health education programme for diabetic and drug de-addiction patients.
- x. To display permanent banner on different aspects of Non Communicable Diseases and other healthy lifestyle tips.

STAFF POST

- | | |
|--------------------|-----------------------|
| 1. Yoga Instructor | 1 (on Contract Basis) |
|--------------------|-----------------------|

PATIENTS CARE SERVICE

Days	9.00 AM to 11.40 AM	12.00 PM to 1.00 pm (for General Public) (Near) M.S Office	3.00 pm to 3.45 pm (for General Public) (Near) M.S Office	4.00 pm to 4.30 pm (for Staff and General Public)(Near) M.S Office
Monday	Police Wellness Programme (Health Education and yoga Therapy)	Yoga Therapy for Obesity	Yoga Therapy for General	Aerobic yoga

JIPMER Healthy Lifestyle Center

Tuesday	Diabetic Health Education in Diabetic Clinic Seminar Room at S.S.Block –OPD (1st floor)	Yoga Therapy for Diabetes	Yoga Therapy for Diabetes	Aerobic yoga
Wednesday	Diabetic Health Education in Diabetic Clinic Seminar Room at S.S.Block –OPD (1st floor)	Yoga Therapy for Hypertension and Diabetes	Health Education and Yoga Therapy at JIPMER Rural Health Centre- Ramanathapuram, Pondicherry	
Thursday	Police Wellness Programme (Health Education and yoga Therapy)	Yoga Therapy for Obesity	Yoga Therapy for General	Aerobic yoga
Friday	Police Wellness Programme (Health Education & yoga Therapy)	Pranayama and Meditation for General Public	Yoga Therapy for Hypertension	Aerobic yoga
Saturday	Health Education Counseling at Drug-De-Addiction Centre Place at Dr.Reddy Theatre Opposite skin -OPD (2 nd floor) (10.00am to 11.00am)	Yoga Therapy for Drug –De- Addiction and Depression		Nil

Statistics (2013–2014)

Month and Year	No. of Patients Attended (M denotes Male and F denotes Female)					
	OPD	Yoga Therapy	Health Education	No. of Polices seen in Wellness Camps	Yoga Therapy and Education - JIPRHC	Health Education in Drug-de-addiction Centre
April 2013	40 (M) 28 (F)	254 (M) 284 (F)	215	–	34 (M) 40 (F)	36
May 2013	48 (M) 36 (F)	260 (M) 276 (F)	226	–	29 (M) 46 (F)	40
June 2013	43(M) 32 (F)	256 (M) 290 (F)	242	–	36 (M) 41 (F)	32
July 2013	33 (M) 25 (F)	247 (M) 278 (F)	204	30	33 (M) 43 (F)	38
Aug 2013	46 (M) 39 (F)	262 (M) 279 (F)	258	27	36 (M) 28 (F)	32
Sep 2013	34 (M) 36 (F)	265 (M) 276 (F)	219	28	28 (M) 32 (F)	28
Oct 2013	39 (M) 26 (F)	272 (M) 269 (F)	216	30	36 (M) 22 (F)	25
Nov 2013	29 (M) 34 (F)	245 (M) 262 (F)	194	26	29 (M) 19 (F)	31
Dec 2013	36 (M) 36 (F)	296 (M) 282 (F)	232	30	32 (M) 39 (F)	32
Jan 2014	33 (M) 25 (F)	247 (M) 278 (F)	204	30	33 (M) 44 (F)	35
Feb 2014	42 (M) 36 (F)	225 (M) 243 (F)	61	30	18 (M) 28 (F)	–
Mar 2014	36 (M) 27 (F)	229 (M) 252 (F)	78	30	26 (M) 32 (F)	–
Total	459 (M) 380 (F)	3058 (M) 3269 (F)	2349	261	370 (M) 414 (F)	329

ACHIEVEMENTS

Activities of Health Awareness and Police Wellness Programme

- i. Seven Days Police Wellness Programme Camps (Health Education and Yoga therapy) were conducted at Healthy Lifestyle Centre, JIPMER, (Weekly four days, Monday, Wednesday, Thursday and Friday) for the following periods:

1.	17.07.2013 to 31.07.2013
2.	02.08.2013 to 23.08.2013
3.	28.09.2013 to 06.09.2013
4.	03.10.2013 to 16.10.2013
5.	06.11.2013 to 21.11.2013
6.	09.12.2013 to 19.12.2013
7.	07.01.2014 to 23.01.2014
8.	02.02.2014 to 19.02.2014
9.	03.03.2014 to 13.03.2014

- ii. One Day Health promotion and Yoga Camp (for Non Communicable Diseases Patients) was conducted at Rural Health Centre, JIPMER, Ramanathapuram, Puducherry on 29.01.2014

JIPMER Information Technology Services (JITS)

JIPMER Information Technology Services was formed in April 2013 integrating Administrative Information System (AIS), Hospital Information System (HIS) and Centre for Research and Academic Facilities and Training (CRAFT). JITS oversees all the IT requirements and IT services in JIPMER. It is governed by the JITS committee consisting of a core group and an advisory board. The members of the committee are:

The Core group

1.	Dr. T.S. Ravikumar, Director	Chairman
2.	Dr. R.P. Swaminathan, Faculty (Admin)	Vice-Chairman
3.	Mr. J. Shankar, DDA	Member
4.	Mr. C.B. Unni Krishnan, Administrative Officer	Member
5.	Mr. James Terence Sekar, Registrar	Member
6.	Dr. S. Vivekanandan, Professor in-charge (Examination)	Member
7.	Dr. Anita Rustagi, Addl. Medical Superintendent	Member
8.	Dr. Ravikumar Chittoria, Officer in-charge of Telemedicine	Member
9.	Dr. B.N. Harish, Officer in-charge of Library	Member
10.	Dr. Raja J Sundar S, Co-ordinator of Website Team	Member
11.	Dr. R. Raveendran, Officer in-charge of JITS	Member-Secretary

The Advisory Board

1.	Dr. A. Vasudevan	Member
2.	Dr. K. Manikandan	Member
3.	Dr. Rahul Dhodapkar	Member
4.	Dr. Nandini Pandit	Member
5.	Dr. J. Sarasu	Member
6.	Dr. M.S. Gopalakrishnan	Member
7.	Dr. Ashutosh Mukherjee	Member
8.	Mr. T. Mahalingam	Member
9.	Mr. A.K. Satheesh Kumar	Member

ADMINISTRATIVE INFORMATION SYSTEM

Background Information

Administrative Information System (AIS) caters to all administrative sections and is involved in computerizing routine administrative affairs such as finance, purchase, inventory, man power management, etc. It has four servers, 177 desktop systems (standalone terminals with network connectivity), 72 laser printers, including three A3 and three multi-function printers, 60 dot matrix printers, one line matrix printer and seven heavy duty dot matrix printers, five photocopiers-cum-printers, 11 scanners, 103 UPS, 18 network switches, one IBM storage device of six TB capacity, four 12 U racks, 15 laptops, five LCD projectors and one photocopier. New pay roll software has been provided to the pay bills section which is running smoothly. Installation of modular furniture and new workstations

along with networking and intercom facilities in all sections of the Administrative Block has been done in the Bills Section, Accounts and Budget and Purchase Sections earlier has been started and will be completed within the next few months. Along with this upgradation, furnishing of the rooms of senior officers has also been done. The works for installation of comprehensive software for administrative, finance and purchase sections (to bring about e-governance in line with the IT policy of the Government of India) is going on in full swing and is expected to be completed within the next few months. It is expected that within a period of 6 months to 1 year the renovation of the rooms and installation of the software will be completed and the Institute may be able to change over to IT enabled administration.

NAMES OF STAFF POST(S) AND NUMBERS

A few of IT posts have been created by the Ministry during July 2013. Steps to fill up these posts have been taken and it is expected to be completed within a short while from now. The AIS Unit is presently having only one LDC, one trainee and one peon. All the software and hardware related maintenance works have been outsourced to various agencies through LAMC/CAMC.

SERVICES PROVIDED

Administrative Information System Unit (AISU) is supporting the computerization of Administration, Establishment, Finance, Accounts and Education Sections. The important tasks undertaken by this unit so far is detailed below:

- i. Computerization of employee pay bills, GPF applications for withdrawals and advance, issue of sanction orders and preparation of bills, organization of nominal rolls as a part of preparation of Budget documents—RE and BE with effect from 1999, settlement of all arrears.
- ii. Computerization of service matters of the employees, information and reports on the existing staff position, seniority lists, incumbency position, updating of various periodic reports, modification of Recruitment Rules and computerization of court cases replies and related matters.
- iii. Bulk data entry and processing of applications for undergraduate and postgraduate admissions, conduct of entrance examinations, preparation of mark-sheet statements, provisional certificates, degree certificates, attendance and periodic/semester examinations results for students.
- iv. Bilingual data entry for implementation of Hindi teaching and popularization schemes.
- v. Training programs for the MRD staff members of the institute on computers were conducted by the AIS Unit during 2012–2013 and around 65 staff members were benefitted from the training.
- vi. Plastic ID cards have been issued to the entire regular and contract staff of this Institute by this Unit.

SIGNIFICANT EVENTS

- i. Comprehensive Software for Administration, Finance and Purchase, etc. have been successfully installed in all the sections of Administration and feedbacks or suggestions regarding modifications have been currently received from the user departments for fine-tuning of the software.
- ii. Steps have been taken to provide additional computers, since the installation of modular furniture and networking facilities have been completed in almost all the sections of the Administrative Block.
- iii. Process of issuing ID cards to all the staff of the Institute has been done in AIS Unit itself, instead of outsourcing. Supply order for the procurement of ID card printer has been received and delivery is awaited, for proceeding further in this direction.

HOSPITAL INFORMATION SYSTEM

Background Information

- i. The Hospital Information System Unit (HISU) was formed to computerize the record-keeping of hospital and patients' information and manage a network linking of entire hospital premises. The H.I.S network functions using a HMS (Hospital Management System) Software package that has been tailored to suit our hospital needs.

- ii. SCO-Unix network maintenance is also being undertaken for maintaining patient demographic data, International Classification of Diseases diagnostics, histopathology reports, daily hospital census and generation of bed occupancy by using multi-user SCO-Fox BASE+ for hospital research and publication, as and when required by the administration, etc.
- iii. H.I.S is responsible for network connectivity to the wards, OPDs, Emergency, operation theatres (OTs), etc., and for the procurement of necessary hardware, updating the software and clearance of day to day run-time errors in the user side.

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

- i. Computer Data Processor (NIC Certified)—1 Number
- ii. M.R.T (NIC Certified)—1 Number
- iii. M.R.C (NIC Certified)—1 Number
- iv. Support Engineer (Contract basis)—1 Number
- v. Trainees—2 Numbers

DRL—1 Number

SERVICES PROVIDED WITH STATISTICS OF THE YEAR

Wards and Hospital Departments

- i. Provided 225 computers and 211 printers to wards, OTs, intensive care units, out-patient departments, registration (medical records department) and ancillary service departments and installed the same for accessing HMS application through HIS Network System.

Tamil Nadu Chief Ministers Comprehensive Health Insurance Scheme

- i. Provided 11 computers, 10 multifunction/laser jet printers, six multi-scanners and nine digital cameras for the scheme.

Employees Wellness Programme

- i. Provided and installed “Employees Wellness Program” software.
- ii. Issued one server, two computers and two printers.
- iii. Issued Medcard to the attended patients.

Barcode Label Systems

- i. Introduced barcode system by installing barcode printers and barcode readers for accessing laboratory reports.

ACHIEVEMENTS/SIGNIFICANT EVENTS DURING THE YEAR

HMS Application Modules Implementation in Additional to the Existing

- i. Billing Module: The billing module has been incorporated, in which all the charges defined in the respective charge master will be fetched when levied to the patient. The link for billing can be found in ward and OPD modules.
- ii. Barcode label printers have been introduced in two places (admitting office and EMS Registration) and generated labels for all admitted and emergency patients.
- iii. Barcode readers have been issued to lab departments (bio-chemistry, pathology and microbiology) to access barcode labels in the wards, entering the clinical details, raising the investigations-advised form from the wards and entering the laboratory data in the labs.
- iv. Introduced asset management system.
- v. Introduced “Pharmacy Online Indent Transaction” for all surgical dressing items.

Network Connectivity

- i. HIS Network has been extended to Administrative Block (AIS Unit), Super Speciality Block, Women and Child Health Block, JIPMER Auditorium and integrated with existing CRAFT Network.
- ii. As a part of the hospital services, currently all the network services have been managed through H.I.S Core Switch (L3 capable and core features).
- iii. Distribution switches (D-Link, L2 support) are installed at H.I.S, super specialty block, special ward, and old ward block. Connectivity between core switch and distribution switches are of fiber.

Firewall Implementation and Authentication Access during the Year

- i. FortiGATE 600c firewall was installed and the Authentication based Internet Access was implemented.
- ii. DMZ was created for web servers and Mail servers and dedicated bandwidth of 60 Mbps was routed to the respective subnet.

Centre for Research and Academic Facilities and Training (CRAFT)

The Centre for Research and Academic Facilities and Training (CRAFT) caters to the information technology (IT) needs of faculty members and the academic departments for carrying out research and other academic work. It is involved in supplying the hardware such as computers, printer and other accessories to the academic departments, providing high speed internet connectivity and maintaining the official website of JIPMER and intranet.

Names of Staff Posts and Number

DRL—1

Services Provided

- i. Providing IT equipment such as computers, printers and accessories to academic departments, faculty members and common facilities/centers providing academic services.
- ii. Providing Internet facility to academic departments, administrative and hospital sections of JIPMER, central library, nursing college and residential quarters in the JIPMER campus.
- iii. Maintaining the JIPMER website www.jipmer.edu and www.jipmer.edu.in.
- iv. Announcing the course application details, entrance examination schedules, hall ticket information and results and also purchase-tender information on the website.
- v. Institutional access to literature database services is being provided through the academic network.
- vi. Providing Audio-Visual equipment to the academic departments.

Statistics for the Year 2013–2014

- i. 179 computers, 92 laser printers, 38 dot matrix printers, 38 LCD projectors and computer accessories were purchased and distributed to the academic departments.
- ii. New software services have been started. iThenticate online plagiarism checking and Grammarly online grammar checking services have been started. Five concurrent user licenses of Reference Manager was purchased and installed on the server for offline use.
- iii. Equipment for Biometric Attendance system was purchased and is being installed. It is expected to be commissioned in the month of May. A firewall appliance for the internet security was purchased and is being installed for implementing access control and other security purposes.

Achievement

For the first time in JIPMER, online software services have been started and are running successfully. Plagiarism checking and grammar checking have been made possible by the above services. Reference management software which is needed for preparing manuscripts is made available on the network and is widely used by the faculty members.

Linen and Laundry

- | | | |
|-----------------------------------|---|------------------|
| 1. OFFICERS IN-CHARGE | : | Linen A. |
| 2. PROF AND HEAD OF WCH PROFESSOR | : | Syed Habeebullah |
| 3. DEPARTMENT OF PHARMACOLOGY | : | Steven A. Dkhar |
| 4. OFFICER IN-CHARGE | : | Laundry B. |
| 5. PROFESSOR OF PHARMACOLOGY | : | Steven A. Dkhar |

LINEN

Activities

This section Purchase and distributes of linen materials to hospital and institute. Maintaining a stock for stitched items that is Bed Sheet, Dhoti, Patient saree, and so on, issuing them to the laundry as replacement following condemnation or to the wards to increase stock is done. Linen items (OT Gown, OT Vest, OT Pyjama, Patient Gown, Adult Shirt, etc.) are stitched by the tailoring unit of this section. Purchasing and distribution of linen materials for uniforms to personnel (Nursing Attendant, Security Guard, etc.) and coats for all doctors and aprons for technicians, and so on, is done. In addition to hospital needs we also supply special stitched linen materials are supplied as and when needed for various academic, research and hospital activities.

Staff Posts

Storekeeper	-	1 Number
Senior tailor	-	1 Number
Junior tailor	-	4 Numbers
Trainee	-	1 Number

Statistics

Issued to Hospital for the Year 2012–2013

Stitched items	-	10,644 numbers
(Bed sheet, Dhoti and Saree for patients)		
Unstitched items	-	68,321 meters
(Popline, Casement, Kada, etc.)		
Uniform items	-	Male—302, Female—114

Future Plans

- i. New sewing machines to be procured for the tailoring unit.
- ii. Computerization of linen stocks.
- iii. Increasing tailor strength and working area for tailors.

LAUNDRY

Activities

- i. Collecting soiled and wet cloth materials from various wards located in old and new hospital. (Super specialty block, trauma care, RCC.)
- ii. Collecting soiled and wet linen from OT's.
- iii. Washing the received soiled linen with help of hot steam by adding washing soda, bleaching powder, and soap chips. We are adding Dettol at the end of the washing process.
- iv. All the washed linen items are completely squeezed with the help of Hydro extractor.
- v. The squeezed linen items are moved to drying yard for drying in the open sunlight.
- vi. The dried linen items are shifted to folding area for folding. While folding the torn linen will be separated from the good one for stitching.
- vii. After folding the linen will be packed and distributed to various wards and O.T's at their door steps.
- viii. Linen condemnation is being done monthly twice. We will get a replacement against our condemnation from linen store.
- ix. Laundry also receives soiled linen from various departments, labs for washing. The same will be washed and returned to them.

Staff Posts

Name of Staff Post and Numbers

1.	Supervisor	1
2.	Store-keeper	1
3.	Boiler attendant	2
4.	Linen master	1
5.	Head operator	1
6.	Laundry operator	5

Statistics

- i. Right now, we are providing linen to 61 wards including 20 I.C.U.s (i.e., daily issue wards). The linen supply is made on alternative days to the rest of wards.
- ii. We are issuing linen to 20 OT tables.
- iii. Forwards, we are issuing more than 3,000 pcs per day. For OT's we are supplying 1,500 pcs per day (weekly average) with monthly turnover of around 1,10,000 pcs.
- iv. Equipments available:

Name of the Equipment Available	Capacity	Quantity
a. Washing machine	100 kgs	2 numbers
b. Washing machine	50 kgs	1 number
c. Washing machine	15 kgs	1 number

(Continued)

Name of the Equipment Available	Capacity	Quantity
d. Hydro extractor	50 kgs	4 numbers
e. Boiler	0.5 ton	2 numbers
f. chamber	160 bed sheet/h	1 number (During rainy season only)
g. Drying tumblers	50 kgs	4 numbers
h. Sewing machine	–	1 number

Achievements

The existing setup of laundry was designed only to meet out the workload of 850 bedded hospital; now the hospital bed strength has been increased to nearly 1751 beds. Even then, we are taking much effort to make prompt issue to various wards and OTs with available setup.

The present machinery has served more than 25 years, because of prompt maintenance of the equipment's with nil breakdowns.

Future Plans

- i. To establish a linen bank in Jipmer. It will work on under "Give and Take" policy.
- ii. Procurement of new equipment's to meet out the forthcoming workload.
- iii. Computerization of the linen accounts.
- iv. Expansion of drying yard.
- v. Arranging a systematic testing of washed linen materials to ensure the proper washing.
- vi. Provision of air extraction system in the folding and washing area of laundry block to ensure a pollution free working environment.
- vii. To propose to setup a water recycling plant in laundry to cut down the water Consumption.
- viii. To propose to install a solar power plant in laundry to save the power and money.
- ix. Planning to implement the OZONE treatment method in washing soiled linen.
- x. Planning to add concentrated perfume at the end of the washing process to rid of the foul smell.

Medical Illustration Division (MID)

FACULTY LIST

1. H.O.D and in- Charge: : Harish B.N.

BACKGROUND INFORMATION OF THE DEPARTMENT

Medical Illustration division was started in the year 1956. This is a centralized unit providing services to all the departments of the Institute and Hospital. The Administrative execution is under the Department of Medical Education. The division has two sections viz. Photography section and Artist section.

STAFF POSTS

Photography Section

1.	Medical photographer	1
2.	Dark room assistant	1
3.	Safaiwala	1

Artist Section

1.	Artist	2
2.	Artist attendant	1

SERVICES PROVIDED

Photography Section

- i. Clinical Photography for teaching and research.
- ii. Photography of specimens.
- iii. Recopying of presentations materials.
- iv. Photography for official functions like Institute Day Sports day, VIP Visits.
- v. Photography for inauguration of new services, farewell functions, seminars and conferences
- vi. Photography for inauguration of new services, farewell functions, seminars and conferences.
- vii. Maintenance of albums, negatives etc. for future references

Artist Section

- i. Clinical drawings
- ii. Illustrations
- iii. Posters and sign. Boards.
- iv. Display arrangements for medical Exhibition and Entrance Examinations.

STATISTICS OF THE YEAR

Photography Section

1	Institute function	: 250
2	Scientific society	: 5
3.	Passport photos	: 15
4.	Clinical and research photographs	: 40
5.	Issue of photography print	: 361

Artist Section

1.	Medical drawings black and white	: 22
2.	Medical drawings colour	: 11
3.	Posters	: 117
4.	Banner	: 7
5.	Wooden board (door sign board)	: 40
6.	Wooden board (big size)	: 10
7.	Display arrangements	: 500

SIGNIFICANT EVENTS IN THE DEPARTMENT

Conversion to digital photography

FUTURE PLANS

- i. Extension of digital photography
- ii. Establishment of digital studio and videography
- iii. Establishment of digital Artist unit

Medico-Social Services

ADMINISTRATIVE HIERARCHY

- | | | |
|------------------------------------------------|---|------------------|
| 1. MEDICAL SUPERINTENDENT AND SENIOR PROFESSOR | : | J. Balachander |
| 2. ADDITIONAL MEDICAL SUPERINTENDENT | : | M. J. E. Ambrose |
| 3. SOCIAL SERVICE OFFICER | : | V. Chitraleka |

BACK GROUND INFORMATION

JIPMER known for its service to the poor patients has a well-established Medico-Social Services Wing which primarily acts as a liaison department between patients and the hospital. There are 12 Medical Social Workers posted at various departments of JIPMER under the guidance and supervision of Social Service Officer. Health Education and Counseling play a crucial role for the patients having difficulty in following medical advice in order to get the best results out of treatment.

SERVICES PROVIDED

As a centralized unit, Medico-Social Services Wing at JIPMER Hospital functions with the following objectives:

- i. To deal with the patients' social and psychological factors associated with cause, course and consequence of the illness;
- ii. To contribute to the optimum rehabilitation (physical, medical and social) of the patients, and facilitate their reintegration in to society;
- iii. To strive for the promotion of health awareness among patients, their families and the community;
- iv. To enable patients make the best use of the medical/rehabilitation services available in JIPMER and to help them secure maximum effectiveness of medical care.

Our services

- i. Psychosocial Assessment to evaluate the patient's:
 - a. Understanding of the illness and treatment;
 - b. Individual relationships and social support network;
 - c. Degree of distress and coping mechanisms;
 - d. Capacity to adapt to change;
 - e. Socio-economic situation.
- ii. Counseling:

To render therapeutic help to patients and their families facing interpersonal, marital and adjustment problems that arise due to their illness, treatment or loss.
- iii. Crisis Intervention:

To deal with suicide survivors and victims of abuse and accidents and their families.
- iv. Financial Assistance:

Assess and assist the underprivileged patients meet their medical and non-medical needs through appropriate financial sources.

- v. Networking:
Network with NGOs, Welfare organizations, Department of Police and other relevant organizations to obtain community support for patients and the hospital.
- vi. Discharge Care and Planning:
To help patients make a smooth transition from hospitalization to their routine life.
- vii. Community Participation:
To undertake home visits, school visits, visit to patient's work place to establish patients' coping capacity in their home, school and work environment, and to link them with other community resources wherever it is necessary.
- viii. Support Groups:
To facilitate support groups in which patients share their concerns in a supportive environment; some of these groups include patients with cancer, tuberculosis and diabetes besides de-addiction groups.
- ix. Teaching:
Supervision and training of Post graduate Social Work Post Graduates from Pondicherry University and Universities from all over Tamilnadu who undergo concurrent fieldwork training and block placement in JIPMER.

Table 1 Clinical statistics 2013–2014

S. No.	Department/Services	Counseling	Health Education Sessions	Crisis Intervention	Group Work
1.	Dermatology	149	–	–	–
2.	Medicine	1,735	228	–	–
3.	Neurology	881	13	–	–
4.	Immunology	68	19	–	–
5.	Ortho	183	14	–	5
6.	Paediatrics	490	95	–	9
7.	Psychiatry	26	–	48	–
8.	RCC	214	52	–	52
9.	Surgery	228	–	–	3
10.	Pulmonary medicine	1,076	173	–	1
11.	Urology	48	1	–	–
12.	MSS wing	33	–	–	–
13.	O&G	458	217	–	9
14.	Cardiology and CTVS	334	57	–	–
Total		5,923	869	48	79

Table 2 Non-clinical statistics 2013–2014

S. No.	Department/Services	PPCF*	RAN/TNCMCHIS*	Travel Concession	Outreach*	Certificates	NRHM*
1.	Dermatology	4	5	5	–	–	–
2.	Medicine	33	35	28	4	2	–
3.	Neurology	1	13	6	–	9	–
4.	Immunology	–	–	–	–	–	–
5.	Ortho	–	26	43	12	34	–

6.	Paediatrics	1	3	128	2	33	-
7.	Psychiatry	-	-	-	-	5	-
8.	RCC	-	433 (TNCMCHIS)	996	-	-	-
9.	Surgery	1	-	151	4	29	-
10.	Pulmonary medicine	-	-	23	17	17	-
11.	Urology	-	-	-	-	-	-
12.	MSS wing	44	-	71	-	32	-
13.	O&G	-	-	398	-	44	1,065
14.	Cardiology and CTVS	-	15 (RAN) 182 (TNCMCHIS)	1	-	-	-
Total		86	97 (RAN); 596 (TNCMCHIS)	1,850	39	205	1,065

Outreach: This includes tracing unknown patients admitted in the hospital and institutionalizing abandoned children in the department of Pediatrics;

PPCF: Poor Patient Chest Fund;

RAN: Rashtriya Arogya Nidhi;

TNCMCHIS: Tamilnadu Chief Minister Comprehensive Health Insurance Scheme;

NRHM: National Rural Health Mission.

EVENTS OF THIS YEAR

World Anti-Tobacco Day 2013

Medico-Social Services Wing, JIPMER Hospital observed the day on May 31, 2013 by conducting Public Education programmes on effects of tobacco use, health related risks, effects of passive smoking, better ways to quit smoking and to adapt healthy life style. Health education pamphlets were distributed to patients, general public and staff of JIPMER. During the occasion videos on tobacco effects and health risks were played in the outpatient departments and ward sides. As this year, the World No Tobacco Day focuses on banning tobacco advertising, promotion and sponsorship, exclusively designed pamphlets were distributed to the petty shops around JIPMER campus emphasizing the community responsibility of shop owners in preventing tobacco abuse and related issues. The Medical Social Workers, JIPMER organised this event as part the Medico-Social Services Wings' ongoing health education programmes.



Breast Feeding Week 2013

Breast Feeding Week was celebrated on the first week of August (August 1-8, 2013). To mark this week, Medico-Social Services Wing, JIPMER conducted Mass Health Education sessions in the OPDs and wards of pediatric and obstetrics and gynecology departments. These sessions emphasized the importance of Breast Feeding for the newborns and kids.



World Suicide Prevention Day 2013

Medico Social Services Wing, JIPMER Hospital observed the day on September 10, 2013 by conducting Public Education programmes on Suicide Prevention, signs, symptoms and causes and ways to prevent it. Dr. T. S. Ravikumar Director, JIPMER released the public education pamphlets and addressed the patients and public. He highlighted the strategies and action plans of JIPMER's suicide prevention cell to the Press as well. Health education pamphlets were distributed to patients, general public and staff of JIPMER. During the occasion videos on suicide Prevention and healthy life style were played in the outpatient departments and ward sides. JIPMER organised this event as part the Medico -Social Services Wings' ongoing health education programmes.



Patient Safety Week 2013

The patient safety week was observed in JIPMER from November 18 to 24, 2013. As one of the programmes, the MSSW along with JQC members held a public awareness programme on November 22, 2013. The programme was formally commenced by the Director Dr. T. S. Ravikumar in the presence of the M.S, AMS, DMS, JQC members and patients. The programme aimed at preparation and distribution of a bilingual pamphlet to educate patients on Patient Safety. The public education programme was held at old OPD registration area in which the Medical Social Workers explained about Patient Safety as well as patient rights to the public. The pamphlet which was prepared by Medical Social Workers in the department of MSS Wing was distributed to the patients in front MRD and registration counters. The information on Patient Safety was further reinforced through a skit by HLL staff. Rangoli was one of the programme in Patients Safety week and the Medical Social Workers participated in the competition and won the 2nd place. The theme was Right Care... to Right Patient... at Right place... by Right team... at Right time... Every time.



World Social Workers Day 2014

The World Social Workers Day 2014 was celebrated by the Medico-Social Services Wing; JIPMER on March 20, 2014. Mrs. V. Chitrleka, Social Service Officer delivered the Welcome address and Dr. T. S. Ravikumar, Director, JIPMER honored the various benefactors who have contributed to JIPMER over these years and delivered the special address. Dr. J. Balachander Medical Superintendent JIPMER gave the keynote address during the occasion. During his address he focused the key roles of Medical Social Workers and their contribution to multidisciplinary team approach in JIPMER. Mrs. Kalpana Muthuraj, Medical Social Worker presented the achievements and annual report of the medico-social services wing. Head of the departments, Faculties and staff from various departments, representatives from various NGOs, faculties from Pondicherry University, donors and patients participated in this programme. Mr. V. Janakiraman, Senior Medical Social Worker delivered the vote of thanks.



ACHIEVEMENTS

Donations

- i. Two televisions from Adayar anadha bhavan were donated to medical oncology and burns ward.
- ii. One wheel chair from Shri.S.Velayudham, Industrialist which was donated to Mr. Dinakaran, Plastic Surgery patient.
- iii. One wheel chair from Shrimati. Vasantha, Retired Medical Social Worker which was donated to a Surgery patient.
- iv. Ten walkers from Shrimati. Vasantha, Retired Medical Social Worker which were donated to various wards.

Medical Records Department (MRD)

1. ADDITIONAL MEDICAL SUPERINTENDENT AND IN-CHARGE	:	Anita Rustagi*
2. ASSISTANT MEDICAL RECORDS OFFICER	:	Mallika Kothandaraman

INTRODUCTION

In JIPMER Hospital Medical Records Department has been introduced since the inception i.e. on April 1966. This Medical Records Department is a Centralized System for preserving the Medical Records of Out-patient as well as In-patient. By using the Unit Numbering System a single number is assigned to a new patient which is called Hospital Number. This number is common to all the department of the Hospital irrespective of whether the patient is out-patient or in-patient. There will be one series for both Male and Female out-patient section. The patient is provided only with a Hospital Number Card or Identity Card which should be retained by the patient. The same number is used by the patients for their subsequent visits.

SERVICES PROVIDED

Statistics

Periodical Monthly Statistical Report are collected from various departments, the same is compiled and analyzed for preparation of Hospital Statistical Bulletin, which is discussed in the Medical Care Review Meeting.

Annual Performance for the Year 2013–2014

1.	Total No. of out-patient attendance	18,74,002
2.	Total No. of old cases	13,48,972
3.	Total No. of new cases	5,25,030
4.	Total No. of admissions	72,908
5.	Total No. of discharges	70,348
6.	Daily average No. of O.P. Attendance	6,247
7.	Daily average No. of I.P. Attendance	1,481
8.	Daily average bed occupancy rate	93%
9.	Total No. of operations	35,398
10.	Total No. of investigations	38,80,868
11.	No. of live births	13, 356
12.	No. of still births	539

(Continued)

13.	Total No. of deliveries	13,895
14.	Total No. of death below 48 hrs	831
	Total No. of death above 48 hrs	1,516
15.	Total No. of deaths	2,347
16.	Gross death rate	3.22%
17.	Net death rate	2.08%

CENTRAL ADMISSION OFFICE

Central admitting office is functioning round the clock. The staff members are posted to work on shift basis. This office is manned by the Medical Record Technician, Medical Record Clerk and Messengers. And also the staff are posted to work at WCH Block for making New/Old CCR as well as Admission from 8.00 A.M. to 5.00 P.M.

Reception (E.M.S. and Hospital)

The Reception is functioning round the clock at Emergency Medical Services Block (i.e. Casualty) as well as ward block on shift duties which is controlled by the Medical Record Department. In Reception all the emergency cases are registered and issued the respective case records to the patients.

OUT-PATIENT DIVISION

There are about 6,247 patients visits JIPMER every day to nearly 29 specialties and more than 52 special clinics which are introduced in the afternoon as per the schedule. The average admission per day is 200 and bed strength 1,600.

The patients who are all coming for treatment at first visit they are categorized as New and Old. In New Case Registration counter the Medical Record Personnel's are obtaining the particulars from the patient's sociological data's nature of illness. The same is fed into the computer, the printed Short Term Card/Comprehensive Case Record (C.C.R.) with Identity card are issued to the patient which has the patients details. Short Term Card is for acute conditions or five spells of attendance and it is valid for one year only.

The patients who are having complaints of Obst. and Gynae and long term treatment like Tuberculosis, Cancer etc., they are issued a C.C.R. directly which is valid for 5 years. If the patient is admitted the same will be valid for 10 years.

In case, the patients lose their ID cards, on the basis of the sociological data collected from the patient, the Hospital Number will be traced out from the Alpha Index Card Cabinet/Computer, they will be issued a duplicate ID card for their Continuity and Immediate treatment by issuing old case record of the patient and directed for concerned services.

For the subsequent visits, the patient can get their record from the respective out-patient (counters) by submitting their ID card to the patient guides. The patient guide enter the Hospital number in Patient Guide Register, date and service, unit in the tracer card and provide the respective record to the concerned patient. After completion of OPD services/treatment/consultations, all the records are collected by the Medical Record Messengers and sorted into Male and Female. The same records are arranged in a numerical order and filed in the permanent rack by the Medical Record Clerks by making necessary entry in the Incoming Register. So when the patient comes to Casualty (Emergency Medical Services) or OPD, the MRD Staff can issue the respective record immediately without any delay.

All the laboratory reports, ECG reports etc., are received from the various departments and mounted in the respective OP records by the Medical Record Clerks. The similar procedure is followed for mounting the laboratory reports daily.

IN-PATIENT DIVISION

Patient get admitted to the ward, as in-patient, their out-patient records along with the admission order are sent to the Admission Room. Under the control of M.R.D., the Admission Room is functioning round the clock. In the admission room, every patient will be assigned in-patient/MRD number for maintaining the in-patient records, the sociological data's are verified and entered in the preliminary form and the same information is fed into the computer. The printout has been taken in a set of forms such as admission record, case summary and Discharge Record, History and Physical Examination Record, Laboratory Master, Admission and Discharge Order and patient is directed to the concerned ward.

Every day discharged records are collected by the Medical Record Technician/Census Clerk along with the previous day Ward Census Report which is prepared by the ward in-charge sisters. The In-patient records are sorted into Out-patient and In-patient. The Xerox copy of the case summary is attached in the in-patient record. The original is retained in the out-patient record for future referral purposes.

The in-patient records are assembled in a standard Chronological Order and deficiencies are listed in the deficiency check slip and kept for completion of records in the Doctor's Conference Room. The In-patient records are analyzed in the discharge analysis desk for statistical purpose such as Total Admissions, Total Discharges, Consultation, Total Deaths (under 48 hrs, over 48 hrs) Death Percentage, Total Post Mortem, Average Hospital stay, Turn Over Interval, Bed Occupancy Rate, Infectious Disease analysis and results etc.,

The same report will be submitted for monthly bulletin, the whole hospital statistics will be prepared by the Medical Record Personnel which is submitted for Morbidity and Mortality Meeting. All the in-patient records are sorted into service, unit wise and kept in the respective cub-boards at the Doctor's conference Room for completion of the records. Every discharged records are completed by the treating doctor before sending to the coding desk.

After completion, the records are coded as per the ICD (WHO) and indexed, which will enable us to retrieve the required information easily and quickly. All the records are sent to Complete Record Control Desk for verification whether the records are completed or not. If completed the same records are arranged into numerical order and filed in the permanent rack. The records are supplied for readmission purpose, study, thesis, publication, research purpose etc., the Medical Record Officer in-charge/Medical Record Officer is the Member Secretary of the Committee.

The Statistics and case records are supplied to the doctor for the attending Seminars/Conferences and their research works, these purposes etc., necessary information are provided to the Administration as and when required for planning and other activities. Communicable and Non-communicable Diseases and Preventable disease details and monthly return are sent to the Public Health Agencies for Community intervention to take preventive and promotive measures.

All the records are systematically classified and categorized for easy retrieval. All In-patient records including M.L.C. and Expired are preserved by the Medical Records Department.

Medico Legal Cases

Total No. of MLC Cases	10,748
With M.L.R.	4,456
Without M.L.R.	6,292
Total No. of Autopsies	852
Total No. of Medical Certificate Issued	2,172

MEDICAL CARE REVIEW MEETINGS

One Medical Care Review Meetings was conducted by the month of April 2013 and Two Morbidity and Mortality Meeting during the month of February and March 2014.

The Staff Members Were Undergone the Following Training Courses

S. No.	Name of the Course	Conducted By	No. of Participants
1.	The Orientation on M.C.C.D.	Govt. of Puducherry	3
2.	Archive of Records	National Archive	1
3.	MRO/MRT Course	CBHI, DGHS, New Delhi	8

COURT ATTENDANCE

A total of 65 summons were attended by the Medical Record Personnel and Doctors in Pondicherry and Tamil Nadu.

ACHIEVEMENTS/SIGNIFICANT EVENTS

Computerization

Old Case Registration of Main Block, SSB, WCH, RCC has been done through computer.

The staff members who participated in the Workshop/National level Medical Record Conferences/ Half Yearly Review Meeting and presented the papers on Medical Records are as follows.

S. No.	Workshop/Conference/Meeting	2013-2014
1.	Two days workshop regarding review of short term training courses on April 25-26, 2013 at Regional Health Statistics Training Centre Mohali	
2.	MRT/MRO Selection Committee Meeting on 28th and 29th May 2013 at CBHI HQ, New Delhi.	
3.	19 th Half Yearly Review meeting off all six FSUs, RHSTC Mohali, MRD and TCs, Safdarjung Hospital, New Delhi and JIPMER, Pondicherry which was held during July 8 and 9, 2013 at Bangalore.	
4.	MRT/MRO Selection Committee Meeting on November 26th and 27, 2013 at CBHI HQ, New Delhi.	
5.	Two days workshop on February 10 and 11, 2014 at FSU Bangalore to finalize the course curriculum for short-term training courses of CBHI.	
6.	20 th Half Yearly Review Meeting of all six FSUs, RHSTC Mohali, MRD and TCs, Safdarjung Hospital, New Delhi and JIPMER, Pondicherry held on February 24 and 25, 2014 at New Delhi.	
7.	MRO and MRT Trainees are attending the Seminar on Robust Medical Records for Hospitals at Chennai on 04-08-2013	

The Orientation was given about the departmental functioning and Activities to the following

- i. First year M.B.B.S. Students as two batches for the month of September 2013.
- ii. Interns as four batches for the month of February and March 2014.
- iii. Nine students of Final year, Diploma in Medical Record Technology students, Medical Records Department, Belgaum Institute of Medical Sciences, Dr. B.R. Ambedkar Road, Belgaum – 590 001, Karnataka, at this institute on July 18, 2013 along the Asst. Medical Records Officer.
- iv. 14 students of Final year, Diploma in Medical Record Technology Medical Records Department, Bangalore Medical College and Research Institute, Victoria Hospital, Bangalore, at this institute on August 21, 2013 along with Medical Record Officer and Asst. Medical Records Officer.

Education and Training Programme

Apart from the patient and physician services this department is conducting the training courses like 6 months duration of Medical Record Officer Course and 6 month duration of Medical Record

Technician Course. The Certificates and Diploma for the above courses are issued by the CBHI, DGHS under the Ministry of Health and Family Welfare, Govt. of India, New Delhi.

The Selection of Candidates for the training courses is done by the CBHI, New Delhi. The candidates are admitting to these courses on deputation basis. Other than JIPMER institute Candidates are sanctioned (a) the entire daily allowance as per Government of India Rules and as per S.R.S164 (3) (b) a fixed amount of Rs. 10,000/- per month as stipend for entire period of their respective training excluding the entitled TA/DA for journey period for joining these training courses and going back on completion of these trainings. And the following numbers of candidates successfully completed the course.

Medical Record Officer		Medical Record Technician	
No. of Candidates Trained		No. of Candidates Trained	
Jan-June	July-December	Jan-June	July-December
11	6	8	11

Our MRO and MRT (19 Trainees) and Ag. M.R.O. to visit the Department of Medical Records at CMC Vellore on 30-05-2013 as a Educational Tour.

FUTURE PLAN

Complete Computerization

The hospital statistics will be generated through computer and entire department is computerized and also gradually this department will function as a paperless department.

Digitization and Archiving

Digitization and Archiving of In-patient records work is in progress.

Nursing Wing

NURSING SUPERINTENDENTS	: i. Vasantha P.
	: ii. Kalarani Parthiban
	: iii. Santhi Tamilmani
DEPUTY NURSING SUPERINTENDENTS	: i. Sankareswari A.
	: ii. Santhi Shanmugam
	: iii. Murugeswari S.
	: iv. Latha M.
	: v. Selva Saroja
	: vi. Pushpalatha K.
	: vii. Sasi Prabha S.
	: viii. Neelavathy K.
	: ix. Vennila Thandavan
	: x. Annamma Mathew
	: xi. Rathinamala D.

BACKGROUND INFORMATION

The Nursing Services started with the Establishment of “Ecole de Medicine de Pondicherry” by the French government in the year 1823. In the year 1956 with the de facto transfer of Pondicherry, the medical college was taken over by the Indian government. The medical college was upgraded to a Regional Centre with the name of JIPMER on July 13, 1964. The staff patterns of nursing section are given below:

Staff Pattern

Assistant Nursing Superintendent	-	74
Sister Tutor	-	04
Nursing Sister	-	313
Staff Nurses	-	893

SERVICE PROVIDED

The Nursing services are provided to all the clinical departments, divisions and OPD's in the main hospital, Trauma Care Centre, Super Specialty Blocks, Regional Cancer Centre, Women and Children hospital, Rural health Centre at Kurichikuppam and Ramanathapuram and related services and out-reach camps at Karaikal.

Our nursing department is also representing the nursing staffs (volunteers) for Workshops, CNE, CME programme and Quiz programme to other institute.

Nursing department makes special arrangements during VIP visits and other duties. Nursing Superintendents and Deputy Nursing Superintendents are available 24 h for any emergency calls. They also actively take part in the activities done by College of Nursing.

The Nursing wing also provides in-service education to all nursing personnel. Besides this, we are taking classes for B.Sc., Nursing students (clinical classes) and for MRD students regarding the Hospital census and record maintenance. We also teach OT Technicians and Trauma students in EMSD. Provided training to the EMSD staffs by Department of Cardiology. (e.g., bed side ECG and safe injection practices).

Planning duties and providing Training services to Diploma in Nursing Assistant course students from private college (Sivasri Siva Sivaranjanar Swamigal Institute of Paramedical Sciences) with the approval of our Director. Also, we are providing clinical training services to our B.Sc., Nursing (interns) students and planning duties for them. We are also teaching BSc Nursing 4th year student regarding Nursing Administration.

STATISTICS OF THE YEAR

Isolation room for KTP in SSB fourth Floor (A32 and A34) was set up and we deputed four staff nurses for the same to function.

In EMSD, Burns unit was set up and posted 10 nursing staffs for each unit were deputed for the same.

In WCH, separate Emergency OT (24 h) was set up and provided nursing staffs for the same to function.

Deputed 10 staff nurses for three workshops (GFATM) conducted by College of Nursing.

Deputed 15 staff nurses who are working in Cardiology department, CTVS ICU, CTVS wards for the staff development programme which was conducted by MSc (Nursing) students.

Deputed 264 Nursing Personnel to attend CNE programme on “Palliative Care” conducted by RCC.

Deputed all categories of Nursing Personnel to “ISMET Conference and Workshop” conducted by EMS Department.

Deputed 25 Nursing Personnel for the Workshop on “Life Saving Medical Equipment Management and Safety”.

Nominating Nursing Personnel for Special Pay Allowance who is working in Critical areas like ICU, OT's and in Sensitive areas.

In World Glaucoma Awareness week, our nursing personnel had participated in the Glaucoma Health Programme which was held at SSB Conference Hall, JIPMER.

Deputed three ANS for Disaster Management workshop (ISMET) which was conducted by EMS Department.

Provided one DNS and four ANS for Hospital Waste Management committee.

Provided two Nursing Sisters as Transplant coordinators who attended the training classes on Mohan's Organ Donation Foundation, Chennai.

Nursing Superintendent had participated as a member of group discussion panel in CME Programme on “Rational use of blood components” held at NTTTC, JIPMER.

Ostomy day was celebrated by SGE Department and for that celebration we had represented 117 nursing staffs to attend the same.

Department of Microbiology had conducted CME on Universal Work Precaution and Post exposure Prophylaxis in December and we had deputed 100 staffs for the same.

JQC had conducted “Operation Room Safety Workshop” on April 18, 2013 and in this programme 20 OT nursing personnel had participated.

Society for Wound Care and Research (SWCR) conference was conducted by Plastic Surgery department and we represented 45 Nursing personnel for the same.

“Workshop on Brain Death” was conducted by the SGE Department and 56 nursing staffs had participated.

“Safe Injection Practice Class” was conducted by BD Company and 16 Nursing Staffs were participated. With the leadership of these 16 staffs we had trained other nursing staffs.

Three nursing personnel from OG department were deputed to attend one day refresh training programme on STI/RTI.

Johnson and Johnson had conducted Professional Education Initiative Infection Prevention Training Programme for our OT nurses and we deputed 12 OT nursing personnel.

Cardio Thoracic Practical Training Session conducted by Johnson and Johnson and CTVS OT nursing (seven staffs) staffs were participated.

Department of OG had conducted Training Programme on “Whole Blood Screening” and three nursing staffs were participated.

As part of Newborn week celebration, a workshop on Neonatal Resuscitation Programme and Essential Newborn care was conducted by Department of Paediatric. We had deputed 20 Paediatric Department nurses. This programme facilitated the teaching, learning exercise related to vital issues in neonatal care and helped in neonatal survival and wellbeing.

Deputed nine nursing staffs from cathlab to attend 65th Annual conference of the cardiological society of India at Bangalore.

CNE on “Cancer Prevention and Care” for Nurses was conducted and 50 nursing personnel were deputed for the same.

Deputed one nursing sister and four staff nurses to set up and open Bone Marrow ward in RCC Block.

CME Programme on “Infection Control in Intensive Care” conducted by Department of Anesthesiology and 51 nursing staffs attended.

Fifth Indo French Radial Intervention Workshop conducted in Cathlab, JIPMER and we had deputed all posted nurses to participate in intervention.

ACHEIVEMENTS/SIGNIFICANT EVENTS

National Neonatology Forum—Quiz 2013 was conducted by Department of Paediatric and two nursing staffs from NICU, PICU won the divisional round.

One staff nurse from SGE department was trained as Ostomy Nurse at Tata Memorial Hospital in Mumbai with the sponsorship from JIPMER.

Hepatitis vaccination awareness programme were given and implemented to all nursing personnel as a part of JQC (staff wellness).

OT Nurses are conducting “In-Service Educational Programme” among themselves to gain knowledge about the latest technologies. This helps them to refresh their knowledge and give better quality care to patients.

Mrs. Kalpana Sampath, ANS wrote a book titled “Tamil for Medicos”, it was released by our Director on June 13. Based on this NTTC conducted a workshop on spoken Tamil for residents and faculty. Subsequently department of SGE also conducted similar workshops.

As per the instruction of JQC our nursing department had formed 14 groups (each group has minimum 14 nursing staffs including DNS, ANS, Nursing Sisters and Staff Nurse).

JQC's Activities:

- i. Hepatitis Check Up
- ii. Safe Injection Class
- iii. Fall Prevention Committee:

With the help of fall prevention committee members we are insisting other nursing personnel regarding prevention of patient from fall. In case of patient fall, Fall Prevention Report has to be filled by the duty staffs and it is to be submitted to the committee members. These activities created awareness regarding patient fall prevention among all the staffs.

- iv. Bio-Medical Waste Management Committee:
Our Nursing Department gives awareness to all nursing personnel regarding how to handle the bio-medical waste (e.g., color coding, segregation and disposal) with the help of the bio-medical committee member.
- v. Blood Infection Safety:
All nursing staffs were given awareness on SOP's/Checklist/ Communication and maintaining the same in OT's.

CONFERENCES CONDUCTED

1. Nursing Department had conducted the State Level Workshop on “Improving Communication in Patient Care Encounters” from January 29 to 30, 2014 at SSB Conference Hall. About 80 Nursing Staffs (Volunteers) from JIPMER and 40 from other institutes had participated.
2. Second State Level Conference on “Improving Communication in Nursing Care: A Comprehensive Approach” was conducted by us and about 200 nursing personnel from our institute had attended. This helps them to gain knowledge regarding communication skills and how to handle the patients with better nursing care.

CONFERENCES AND CMES ATTENDED

1. Attended the “National Conference on Paediatric Cardio: Nursing Clinical Updates” was conducted by Sree Chitrai Thirunal Institute of Medical Science and Technology, Trivandrum.
2. Attended CNE Programme on “Cancer Prevention and Care” by RCC Department, JIPMER.
3. Attended CNE and Workshop on International Summit on Emergency medicine and trauma 2014, conducted by EMS Department, JIPMER
4. Attended First International Conference on “Metamorphosis of Nursing Education Confronting the Current Health Needs—A Time to Recuperate” at MGMC and RI Campus, Puducherry.
5. Attended International Conference on “Novelty and Excellence in Nursing” which was conducted by Mother Theresa College of Nursing, Puducherry.
6. Attended National Conference on “An Acumen into Managerial Prowess” was conducted by Kongunadu College of Nursing, Coimbatore.
7. Attended 21st Annual Conference on Association of Oncologist in India at JIPMER.

FUTURE PLAN

We are planning to conduct a CNE programme/Workshop (National Level) in future to update the latest trends in nursing services.

By adapting and implementing the JQC themes for better patient care and updating the current knowledge of nursing profession.

Deputing/Sponsoring nursing personnel for higher education in specialized areas to promote better nursing care.

Pharmacy

- | | | |
|------------------------------------------|---|--------------|
| 1. PROFESSOR AND OFFICER-IN-CHARGE | : | D.G. Shewade |
| 2. LECTURER AND DEPUTY OFFICER-IN-CHARGE | : | R. Kesavan |

BACKGROUND INFORMATION

The primary activity of the department is to provide medicines to all the needy patients free of cost and to take all efforts to procure quality medicines at a reasonable price.

The Department of Pharmacy consists of

- i. Pharmacy office
- ii. Tablet Store
- iii. Injection Store
- iv. I.V. Fluids and Medical gas store
- v. Chemicals stores
- vi. Surgical and Disinfectant stores.
- vii. Sub store for IV fluids and surgical items at super specialty block
- viii. Pharmacies for dispensing drugs to the patients
 - a. The Out Patients Department Pharmacy
 - b. The Staff and Students Health Clinic Pharmacy
 - c. The Super Specialty Block Pharmacy
 - d. Regional Cancer Centre Pharmacy
 - f. Women & Children Health Pharmacy
 - g. 24hrs EMS (Emergency Medical Service) Pharmacy

Budget Allocation

The budget allotted to the Pharmacy Department for the year 2013–2014 was ₹14.5 crores, but due to increased patient load, the actual booking exceeded 18 crores.

Selection of Drugs

The selection criteria for drugs for dispensing to the patients are made to ensure maximum patient benefit at minimum cost as per WHO Essential Medicines List guidelines. Medicine supplies are accepted with necessary documents like Certificate of Analysis by the Manufacturer, Copy of Manufacturing license and detailed product specification including quality standards (B.P, I.P, U.S.P), proper labeling, nomenclature and packaging. For imported medicines, original Import license is mandatory. All certificates and analytical reports of the drugs supplied are verified before dispensing them to the patients.

Procurement of Drugs

The drugs are purchased by *e*-tender process for transparency and decision is made by Drug Purchase and Utilization Monitoring Committee (DPUMC). Local Purchase monitored by the Local Drug Purchase Committee is made for emergency and specific requirements from the user departments for the drugs that are not purchased and stocked in the Pharmacy Stores. Now the drugs that are required for the TNCMCHS patients are also procured by local purchase. Pharmacy master procurement list consisted of 955 drugs, and it includes Tablets, Injections, I.V. fluids, Surgical and dressing items, Disinfectant fluids, Chemicals, and Medical Gases.

Staff Posts

1.	Officer-in-Charge of Pharmacy	1
2.	Dy. Officer-in-Charge of Pharmacy	1
3.	Head Pharmacist	1
4.	Senior Pharmacists	8
5.	Superintendent of Stores	1
6.	Pharmacological Analyst	1
7.	Chemist manufacturing	1
8.	Pharmacists	17 (1 + 15) Newly sanctioned
9.	Pharmacists (on Contract)	18 (1 Vacant)
10.	Upper Division Clerk	1
11.	Lower Division Clerk	1 (Vacant)
12.	Data Entry Operator (on Contract)	1
13.	Store keeper	1
14.	Peon	1
15.	Helpers	3
16.	Coolies (DRL)	15
17.	G4S	2

SERVICES PROVIDED WITH STATISTICS

Pharmacy Office

The Pharmacy office is responsible for the general administration of various sections in Pharmacy. The Officer-In-Charge directs all the activities in the department. All the activities relating to the procurement and dispensing of drugs is managed in the office under the guidance of Officer-In-Charge of Pharmacy. The Head Pharmacist is supervising all the sections of the Pharmacy under the instructions of Officer-in-Charge of Pharmacy.

The following works are carried out in the Pharmacy Office:

- i. Procurement of drugs and chemicals.
- ii. Activities related to the tender process.
- iii. Arrangements to convene the Drug Purchase Monitoring and Utilization committee (DPMUC) meetings and Local Drug Purchase committee meetings.
- iv. Issue of Local Purchase Forms for the user departments and for TNCMCHS Patients.
- v. All the issues relating to the Spirit license, Drug license and Narcotic license.
- vi. Liaison with the Suppliers, Vendors, Head of the Departments and Purchase Department.
- vii. Issue of 'Not Available Certificates' (NAC) for the staff members and their dependents.
- viii. Up-loading quality problems in the JIPMER web site (www.jipmer.edu/pharmacy).
- ix. Periodical reporting regarding Narcotic items to the Assistant Commissioner, Food & Drugs Administration, Govt. of Puducherry.

Tablet Store

About 220 drugs were available in Tablet store. One Senior Pharmacist, one Store Superintendent, and one Pharmacist were posted along with two helpers. The average indent issued per week was 330. The drugs were issued to different wards and pharmacies on a weekly basis. The purchase proposals, which were prepared based on the monthly requirement, were sent to the Pharmacy office, for the preparation of supply proposals. Non-availability certificates are issued to the Staffs and Students for non-stocked drugs. Inventory control of drugs, receipt of drugs as per the supply orders, and any quality and quantity issues found, is brought to the notice of the Officer-in-Charge for further action.

The top five costly drugs procured in 2013–2014 were Tab. Capecitabine 500 mg ₹18,09,050.00/-, Beclomethasone rotacaps 200 mcg ₹14,25,451.80/-, Tab. Imatinib ₹11,97,000.00/-, Cap. Cyclosporine ₹16,29,920.00/-, Omeprazole 20 mg ₹9,57,000.00/-.

Injection Store

About 420 items were available in Injection Store. One Senior Pharmacist and three Pharmacists along with four helpers were posted in the injections stores. The average indents issued per week was 450. Injections, I.V. fluids and Medical Gases were issued to different wards, operation theatres, and emergency medical services on a weekly basis. Non availability certificates are issued to the SSHC beneficiaries. Inventory control of drugs, receipt of drugs as per the supply orders, and any other quality and quantity issues found, were brought to the notice of the Officer-in-Charge for further action.

The top seven costly drugs procured in the year 2013–2014, were Inj. Human cryo-precipitated anti-Hemophilic Factor-VIII lyophilized monoclonal purified 250 IU ₹86,46,117.00/-, Inj. Meropenem 1gm ₹47,43,046.00/-, Inj. Human Insulin 70% Zinc+30% Neutral 400 IU 10ml made by rDNA technology ₹45,70,614.00/-, Inj. Human IV gamma globulin 5gm/100ml ₹45,45,360.00/-, Inj. Anti-snake venom (polyvalent) serum – lyophilized powder to be made up to 10ml ₹34,72,875.00/-.

About eight narcotic drugs were available in the injection stores. These drugs were issued only against the special dangerous drugs indent, duly signed by the Head of the Department/Consultant and the Officer-in-Charge of Pharmacy or the Head Pharmacist/Senior Pharmacist. Before the issue of Narcotics, the signatures were verified with their respective specimen signatures. The narcotic drugs were purchased from the authorized firms after obtaining special permission from concerned Excise Department. The top narcotic drug procured was Tablet Morphine for ₹9,66,462/- in the year 2013–2014.

I.V. Fluids and Medical Gas Store

The IV fluids and Medical gas store managed by a Pharmacist is attached to the Injection Stores. On an average, 30 I.V. Fluid formulations were available in the stores along with 300 A & B Type cylinders for Nitrous Oxide and Oxygen. The average number of Indents per week was 90 for IV fluids and 60 for medical gas cylinder. The top two items purchased in the year 2013–2014 were Inj. Sodium Chloride ₹58,58,049/- and Total parenteral Nutrition – 3 Chamber ₹22,67,605/-.

Cold Storage

Four walk-in coolers are available for storing lifesaving drugs/vaccines at the recommended temperature range, in order to provide potent and effective Lifesaving drugs/Vaccines to the patients. There were 80 lifesaving drugs stored in the walk-in-coolers.

Stents and Devices

Different types of Stents required by the Cardiology Department were stocked in the Pharmacy stores and were distributed on request to the Cardiology Department.

Surgical Store

Totally 16 surgical items were available in surgical store. It is issued once in a week on Wednesdays. The average number of indents filled per week was 95. On an average, ₹2,29,62,202 was earmarked for surgical dressings. 58,380 rolls of Cotton 500 g (net weight) were procured for the year 2013–2014 with a value of ₹61,35,738/-.

Disinfectant Store

The disinfectant store consisted of 15 Disinfectant solutions and 61 Chemical formulations. On an average, 175 indents were issued per week. The annual budget for disinfectant fluids was ₹45,00,000/- among which Lysol itself accounted for about ₹8,64,000/-.

Local Purchase

Any lifesaving or Essential drugs that were not stocked in hospital Pharmacy or not quoted in the tender or not listed in the tender and the drugs for TNCMCHS were procured through the Local Purchase procedure by entering into rate contract with local chemists through local tender. The selected firms were approved by the Local Drug Purchase Committee. The drugs were purchased only after obtaining the financial sanction from the Medical Superintendent and Director as per GFR. A sum of ₹23,38,770/- was utilized for local purchase of drugs for the year 2013–2014. A Senior Pharmacist posted in the Pharmacy Office was In-Charge of local purchase.

TNCMCHS SCHEME (TAMIL NADU CHIEF MINISTER COMPREHENSIVE HEALTH SCHEME)

For the patients undergoing treatment under TNCMCHS scheme, drugs were purchased under Local Purchase and cost of purchase was reimbursed to the institute by the insurance firm. A sum of ₹12,12,182/- was utilized for the above scheme, in the year 2013–2014.

Preparation and Analysis wing

In the Preparation section, about 50 preparations were prepared, most of which were not available in the open market. Some preparations were also prepared based on the request from the user departments. The annual budget for this section was approximately 6 lakhs. Some of the preparations prepared were Lugol's Iodine, Shohl's solution, Joulies solution, Eusol, Glycerin tannic acid, Magnesium sulphate, Piles injection, Ointments like Sulphur ointment, Salicylic acid ointment, Zinc oxide ointment and Whitfield ointments.

Analytical Lab to test quality of drugs is to be established in JIPMER and one Pharmacological Analyst was posted.

OPD Pharmacy

About 125 drugs and 50 different ointments, lotions, liniments, ear drops, mixtures, syrups, and solutions prepared by Hospital Pharmacy preparation section were available in the OPD Pharmacy for the patients attending Medicine, Surgery, ENT, Psychiatry, Skin Ophthalmology, Orthopedics, Pulmonary Medicine, Outpatient Departments, and the special Clinics like HIV, Geriatric, Allergy, De-addiction, and Hematology. Drugs were dispensed to an average of 3,000 patients daily. Drugs were issued for 4/5 days to all patients attending the OPD's and for 30 days for Special Clinic Patients, Tuberculosis and Leprosy patients. Regular drug counseling was given to the needy patients. Every month the list of available drugs was circulated to all OPD's. OPD Pharmacy was managed by nine pharmacists and four Contract Pharmacists along with four helpers.

Staff and Students Health Clinic Pharmacy (SSHC)

The 'Staff and Students Pharmacy' dispenses drugs to patients attending 'Staff and Students Health Clinic'. About 200 drugs were available in the Staff Pharmacy. Drugs were issued for 30 days for Follow-up clinic patients and for 5 days for the OPD patients. The average attendance per day was around 300. The SSHC beneficiaries are entitled for the reimbursement for drugs which were not available or not stocked in JIPMER Pharmacy.

Super Specialty Pharmacy (SSP)

127 drugs were available in SSP. Drugs were dispensed to the patients attending Super Specialty Clinics of Neurology, Neurosurgery, Plastic surgery, Neonatology, Urology, Nephrology, Clinical Immunology, Cardiology, Cardiothoracic and Vascular Surgery, Diabetic, Medical Gastroenterology, and Surgical Gastroenterology. The average patient attendance was 2,200 per day. It was managed by five pharmacists and seven contract pharmacists. Besides dispensing drugs, counseling was also given to the needy patients. Drugs were issued to the above patients for 30 days.

Sub-Store in SS Block

The Sub-store was managed by the Pharmacists of Super Specialty Pharmacy for issue of surgical dressing items and IV fluids to the wards of the Super Specialty Block WCH & RCC Blocks once in a week.

RCC Pharmacy

In RCC Pharmacy, 114 drugs were available, which dispenses drugs to the patients attending the Radiation Oncology, Medical Oncology, RCC-ICU, and Surgical Oncology. The chemotherapy injections and drugs were directly issued to the patients as per the advice of the Oncologist. The Pharmacy was managed by one Regular Pharmacist and one Contract Pharmacist. Most of the lifesaving Anti-Cancer drugs like Cisplatin, Granulocyte Colony Stimulating Factor (G-CSF), Cyclophosphamide, 5-Fluorouracil, Doxorubicin Gemcitabine and Bone Marrow Transplant drugs were dispensed to the patients.

WCH Pharmacy

Women and Children Health Pharmacy is functioning in the WCH block. 192 drugs were available in this Pharmacy which dispenses drugs to the patients attending Pediatric, Obstetrics and Gynecology OPD's & Clinics like Pediatric Diabetic, Nephrology, Cardiology, Neurology, TB, Antenatal, Pediatric Guidance, and Gastroenterology. The Pharmacy was managed by one Senior Pharmacist and one Contract Pharmacist. Most of the lifesaving drugs were dispensed to the patients.

24 hours Pharmacy

24 hrs Pharmacy was started on 01.07.14 for issuing drugs to the patients attending EMS and EMS at the WCH round the clock (24 hrs). The 24 hrs Pharmacy is operated in three shifts for 24 hrs and each shift was managed by one Pharmacist.

Statistics

Average patient attendance per day in the pharmacies	:	5882
Total number of drugs procured	:	758
Annual expenditure booked	:	₹19.3 crores/-
Drugs purchased through Local Purchase	:	₹23,38,770/-

ACHIEVEMENTS/ SIGNIFICANT EVENTS

Program for the Pharmacists

A One-day development program for Pharmacists called Continuing Pharmacy Education Programme (C.P.E) was conducted on 4th Sunday of every month to educate the Pharmacists on a particular topic and it was attended by all the In-service pharmacists of GH & JIPMER.

Issue of Drugs

Drugs were issued free of cost to the patients attending OPDs (30 days), Special Clinics, General Ward, and In-patients. For the year 2013–2014, the budget allotted for drugs was ₹14.5 crores and ₹18 crores (Including Local Purchase) was utilised till March 2014.

Free Insulin

Every week, 1700 vials of insulin were issued to the patients attending the Diabetic Clinic. The annual consumption of insulin was 59850 vials. The financial sanction for insulin was ₹28,96,740/-.

Drug Counselling

In the OPD and the Super Specialty Pharmacy, patients were given counselling regarding dose, route of administration, drug-drug interaction, drug-food interaction, and handling of inhalers and ro-tahalers. At least 30 patients were benefited in this session per day.

The following costly drugs were made available to the patients.

S. No	ITEM
1.	Inj.Human IV gammaglobulin 5gm/100ml
2.	Sevoflurane 250 ml
3.	Inj.Natural Surfactant
4.	Inj.Human anti-haemophilic Factor-VIII monoclonal purified
5.	Inj.Anti-D Rh factor human immunoglobulin (free from HIV) 300 mcg
6.	Inj.Carboplatin 450 mg vial
7.	Inj.L Asparaginase 10,000 IU
8.	TPN
9.	t-PA

Special Clinics

Drugs for special clinics like Neurology, Neurosurgery, Plastic Surgery, Neonatology, Urology, Nephrology, Clinical Immunology, Cardiology, Cardiothoracic, Vascular Surgery, Diabetic, Medical Gastroenterology, and Surgical Gastroenterology were issued on a monthly basis. Due to availability of drugs throughout the year the above clinics are popular among the populations surrounding Puducherry.

Maintaining Quality Standards

The Department of Pharmacy is giving utmost importance to the quality of the drug issued to the patients. Upon receipt of the drugs from the suppliers, the analytical reports submitted by the companies were verified for the genuineness and samples were drawn randomly and visually examined. All the issues relating to drug content, standards, packing, expiry and any obvious changes like discoloration, dampness or moisture in the packing, missing pills, crumbled pills, improper reconstitution

of powder for Injection, suspensions not restoring uniform state after shaking, cloudiness, sedimentation etc. are monitored by the pharmacists and if any other quality problems were found, it was brought to the notice of the Officer-in-Charge. The company was directed to give explanation for the issue and the products were rejected, if the explanation was not satisfactory.

Chain Management

The drugs which were received by cold chain were directly stored in the walk-in-coolers till the drug reaches the end user. The walk-in-coolers were monitored regularly for the temperature settings. About 80 Lifesaving drugs like Insulin, Anti-Cancer drugs, Vaccines and Sera, Anti-Thrombolytic agents were stored in the walk-in-coolers.

Future Plans

- i. For better management of different sections of the department and improvement of patient care services, a proposal was submitted to construct a separate Pharmacy block consisting of Pharmacy office, stores, dispensing pharmacies and other Pharmacy related services.
- ii. To establish a world class 'Drug Testing Laboratory' along with Pharmaceutical Research Institute.
- iii. To set up a 'Paid Pharmacy' to cater to the needs of willing-to-pay patients.

Printing and Stationery

ADMINISTRATIVE HIERARCHY

The productivity shop-floor and the stationery wing is coordinated and controlled by the Manager—Press. Due to the absence of Manager the department was functioned under the Officer in charge Shri A. Rajavelu, Private Secretary to Medical Superintendent since July 2008. From October 2013 this unit is being looking after by **Shri A. Selvam, Assistant Accounts Officer** as an additional charge.

BACKGROUND INFORMATION

The department of Printing and Stationery was started in the year 1967 with three staff. Now this division has strength of 14 staff and a Manager.

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

At present the department is headed by the Officer in charge. Apart from that one Storekeeper, one Proof Reader, two Machine Operators for different kind of operations, one Gestetner Operator one Offset Machine operator, one Compositor, four Book Binders, two Daftries and one Redeployed Book Binder are the other staff of this department.

SERVICES PROVIDED WITH STATISTICS DURING THE YEAR

The Main task of this productivity unit is to print and supply of various forms for smooth run of Institute and Hospital in connection with the patient care services. All registers which are the prime needs of this institute is also supplied by the binding unit of this department.

In addition to that this department plays a major role in releasing of JIPMER NEWS once in every 2 months and Institute Calendar every year in multi colour. This division is also coordinating in supplying forms and stationeries to the Academic wing especially Examination wing.

Apart from all these activities utmost care is taken in supplying of Rubber Stamps in Hindi and English and displaying Vinyl Board to the whole Institute and Hospital.

Stationery division plays a major role in procuring stationery items like Paper, Registers, Case Sheet Folders and other day today use stationery items and supplying to OPD's , Wards, Departments and other Administrative wings of the institute which are required for the day today function of their Patient Care services. Procurement is done through annual Tenders. The process of procurement is elaborate, with calling Tenders with samples, scrutinizing the samples, selecting the lowest without compromising the quality of the item, and so on. The above procedure is supervised by a high ranking officers as well as experts by following the Purchase rules. Occasionally when items are required urgently or new items are to be procured procurement is done by calling for limited quotations.

More than 60 lacs of Patient Care forms in 100 different kinds are supplied to Medical Records Department, other Clinical services and administrative sections.

ACHIEVEMENTS/SIGNIFICANT EVENTS

Previously most of the printing works were carried out at Government of India Press, Coimbatore and Calcutta. From the recent years 90 percent of our need is fulfilled by this unit. The orthodox method is shortly vanishing and new trends/process is entering step by step.

The Printing House is equipped with Heavy Duty Platen Machine, Sheet-fed Offset Machine, Automatic Paper Cutting Machine, Digital Copy printer and so on.

Moreover it is also under discussion for the up gradation of this unit with additional staff and also modern machineries to fulfill the gigantic need of the institution since so many new services like Regional Cancer Centre, Super Specialty Hospital, Trauma Care Centre, and Women and Children Hospital are started and also the number of patients is going on increasing day by day.

Officer In-charge
Printing and Stationery

Report on the Benefit for the Persons with Disabilities

DEPUTY DIRECTOR (ADMINISTRATION) : Sankar J.

JIPMER, Puducherry has become an Institution of National Importance by an Act of Parliament with effect from July 14, 2008. The Institute is following the orders/instructions/guidelines of the Government in so far as all matters including reservation in employment with regard to benefits for the persons with disabilities. Hence the Institute has not made any separate policy decisions on the subject matter.

The total budget provision allotted by the Ministry to this Institute for the year 2013–2014 is as follows:

2013–2014	Plan	₹160.00 Crore
	Non-plan	₹185.00 Crore

The Institute is imparting courses in Medical Education and Allied Courses. Reservation is provided to persons with disabilities in admission to these courses. The Institute is rendering patient care services and there is no specific provision in the budget allocation for any extra/additional assistance to persons with disabilities. The schemes implemented in the Institute are in the nature of projects fully funded by the Government. There is no separate allocation for persons with disabilities under any of the projects implemented by the Institute.

During the year 2013–2014, the number of persons with disabilities provided employment in the Institute and their percentage in relation to the total number employed are as under:

Year	Group	Number of Persons with Disabilities Provided Employment	Percentage of Total Employed
2013–2014	C	1	0.1%

Sanitary Unit

1. SANITARY SUPERINTENDENT : C. Jesurajan
2. SENIOR SANITARY INSPECTOR : P. Pethanan
3. MALE HEALTH SUPERVISOR : M. Thiroumourougan
4. SANITARY INSPECTOR :
i. T. Karthikeyan
ii. P. Thiagarajan

BACKGROUND INFORMATION

The Sanitary Unit of JIPMER hospital was established with three Sanitary Inspectors with limited staff pattern to cater for a limited area. Later, due to extensive and specialized services rendered, the beneficiaries became enormously more. To cope up with the growing population of patients and area, the Sanitary Unit is also extended as mentioned above. Off late, specialty blocks such as Super Specialty Block, Women and Child Health Block, Academic Centre, Nursing College, New Hostels for students have come up in the interest of patient care services where the Sanitary Units have a vital role.

The main aim and objective of the Sanitary Unit of JIPMER Hospital is to keep the general Sanitation of the Hospital, EMSD, SSB, WCH, Academic Centre, Nursing College, New Hostels, Residential Quarters, and Institute area up to the mark and present an infection free atmosphere to the patients, attenders, and inmates of JIPMER Campus.

Staff Posted

1. Sanitary Superintendent	1
2. Senior Sanitary Inspector	1
3. Sanitary Inspector	2
4. Male Health Supervisor	1
5. Sanitary Assistants	3
6. Senior Safaiwala	4

SERVICES PROVIDED

Disposal

Hospital Waste Materials are collected, stored, transported and disposed of hygienically as per the guidelines of bio medical waste management programme in tricolor bags which is implemented successfully under the chairmanship of the Medical Superintendent Dr. J. Balachander and the coordinator Dr. Rajan Swain. To ensure this, the Nursing Staff, Nursing Attenders and even the collies engaged in cleaning are also given training at regular intervals regarding Biomedical Wastes Management Programme by resource personnel from JIPMER.

New, hygienic way of transporting the Hospital waste materials in wheeled fiber glass trolleys is introduced in place of old method.

An incinerator with the capacity to burn 120 kg of waste materials in an hour with the temperature of 850°C–1,150°C is functioning for safe disposal of Hospital infective waste materials. A chimney with the height of 100 feet is attached to the incinerator to see that the atmosphere around the area does not get spoiled due to the emission from the chimney. It is under the surveillance and guidance of the State and Central Pollution Control Board. Emission samples from the stake are being taken at regular intervals by PPCC to ensure the sterility of the smoke emitted.

A New Microwave Oven is installed near incinerator for disinfection of used Plastic syringes, IV sets, IV bottles and other infected plastic materials from OTs, MOTs, wards, and so on before their disposal. Around 40 kg of used plastic materials in a day are treated here.

Sewage and Water Treatment

To provide potable water, 35,00,000 L of water is being treated with chlorine in a day. Safe and protected water is being supplied to the inmates of Campus, Hospital and the Hostel. A full-fledged effluent treatment plant is functioning within the Campus to treat 25,00,000 L of liquid and solid waste before sending the effluent out of Campus. STP II and III also have been installed newly to cater for the newly come up areas like SSB, RCC, Women and Child Health Hospital and Students Hostel Complex. There is a proposal to have a new sewage treatment plant within our Campus to replace the old one as it is not serving the purpose fully due to its age.

Sterilization Procedure Preplanned and scheduled fumigation process in OT's, MOT's, dressing rooms and isolation rooms, and so on are being carried out by a trained team from the hospital sanitary unit using quick and short time chemicals (Incidur) in an hour in place of age old fumigation procedure with formalin which needs at least 24 h to complete the procedure.

Outsourcing

As per the policy of the Central Government cleaning and Sanitation of the Campus and the area around Hospital premises is outsourced. It is under the effective Supervision of the Sanitary Superintendent and the Sanitary Inspectors of the Sanitary Units concerned. Cleaning part of Super Speciality Block, Women and Childrens Hospital, Students Hostel Complex, Academic Centre which have come up newly are also outsourced.

Student's Training

Training is being imparted to the students of M.B.B.S., B.Sc., Nursing and B.Sc., M.L.T, and so on of JIPMER and other institutes from Government of Pondicherry as well, by the Senior Sanitary Staff regarding Sanitation and bio medical waste Management Programme.

Rural Health

One Sanitary Inspector is posted exclusively for rural Health Centre. He concentrates on preventive and promotive health services to poor and illiterate village mass. Age wise immunizations like TAB and TT for School going children are given by him periodically. He is involved in Medical Student's Training in community medicine.

Community Health

Rural Health Camp and Community Diagnosis programs are arranged in remote villages through PSM Department in which the Male Health Supervisor plays a major role. He imparts training to the Medical Students of the PSM Department in the field of Health and Sanitation.

Future Plan

There is a proposal to mechanize all the cleaning activities, fumigation and chlorination process, replacing the age old methods practiced now. The Sanitary Inspectors are to be given exposure in latest technologies of sanitary activities by observing different Private and Government Institutions in India and abroad as well, to improve the Sanitary Units of JIPMER Technically. To cop up with the establishment of specialties and New Buildings it is decided to recruit three more Sanitary Inspectors for the effective monitoring of Sanitary Works. The process for recruitment has been started already and will be over soon.

Security

1. TECHNICAL CONSULTANT AND IN- CHARGE : M.J.E. Ambroise
2. SECURITY OFFICER : A. Massilamani

BACKGROUND INFORMATION

JIPMER Security Section is overall in-charge of the security of the JIPMER Hospital and Campus. The Security Section started functioning from the inception of the Hospital in the year 1957. It had started with the strength of 42 Security Guards in 1957 and it was increased to 105 which included 82 regular and 30 temporary Security Guards in 1995. At present, with regular superannuation of the staff and lack of replacement due to ban on recruitment of group D posts, the number of security staff has come down to 34. In order to augment the dwindled strength of security personnel, with effect from September 1, 2012, outsourcing was done and the SIS Security System has been roped in.

Staff Posts

1.	Security Officer	1
2.	Assistant Security Officer	1
3.	Havildhar	4
4.	Head Security Guard	3
5.	Security Guard	25
		34

SERVICES PROVIDED

- i. Round the clock watch and ward of the hospital and the campus.
- ii. Checking the incoming and outgoing articles and equipments.
- iii. Checking all newborns going out of the hospital to ascertain that mother and child are as per the records and having matching wrist bands to prevent baby thefts.
- iv. Bringing the unattended and destitute patients lying in the hospital premises to the Casualty.
- v. Informing the police and Casualty Medical Officer about any un-identified body found in the hospital premises.
- vi. Crowd control in the event mass casualty.

ACHIEVEMENTS/SIGNIFICANT EVENTS

The work for installation of closed circuit TV networks has been completed in to and is in full use.

Telehealth Programme

Officer-In-charge JIPMER Telehealth Programme : Ravi Kumar Chittoria

BACKGROUND INFORMATION OF THE DEPARTMENT

In JIPMER, ISRO Satellite Based Telemedicine Started in 2004. Tele Ophthalmology Project Started in 2008. Tele Onconet Project started in 2011. In October 2012 Telemedicine Special Clinic started on every Tuesday and Thursday in Dept. of Plastic Surgery. Telemedicine Application for Emergency Patients of Plastic Surgery started in October 2012. National Knowledge Network (NKN) started in 2011. National Medical College Network (NMCN) Project started in March 2012. In March 2012, Ministry of Health and Family Welfare (MOHFW), Govt. of India, New Delhi, has declared JIPMER Telemedicine Centre as Regional Resource Centre (RRC) for Implementation of NMCN Project for 160 Medical Colleges of Southern States (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Pondicherry). JIPMER Telemedicine Centre regularly holds Telemedicine Video-Conferencing Sessions with SGPGI Lucknow, SCB Medical College Cuttack, Kabul Afghanistan, KEM Medical College and Hospital Mumbai, PGI Chandigarh etc. Entire JIPMER Campus including JIPMER Auditorium, JIPMER Academic Centre, Super Specialty Block, Nursing College, Regional Cancer Centre (RCC), Hostel Complex etc. was made wi-fi enabled utilizing NKN Connectivity.

EDUCATIONAL COURSES

- i. Telemedicine and Medical Tourism Classes for MRO Trainees
- ii. Planning to Start 'Short Term Training Programme in Telemedicine' for Doctors and Paramedics (Nurses, Technicians, Students etc.)

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

- i. Organized Ministry of Health and Family Welfare Sponsored 'NMCN Project Telemedicine Workshop' on August 16, 2013 in SSB Conference Hall, JIPMER.
- ii. Following Videoconferencing Sessions were Organized:

Month	Institute/Hospitals	Type of Session	Number of Sessions
April	SGPGIMS, Lucknow	Tele-CGR	3
	SGPGIMS, Lucknow	Tele-Lecture	6
	General Hospital, Yanam	Tele-Consultation	5
May	General Hospital, Yanam	Tele-Follow-up	7
	SGPGIMS, Lucknow	Tele-CGR	2
June	General Hospital, Yanam	Tele-Follow-up	13
	SGPGIMS, Lucknow	Tele-CGR	-
	General Hospital, Yanam	Tele-Consultation	1
July	General Hospital, Yanam	Tele-Follow-up	7
	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	3

	General Hospital, Yanam	Tele-Follow-up	6
	SGPGIMS, Lucknow	Video Conferencing session with Dr. S K Mishra (SGPGI Lucknow), Dr. Meenu Singh (PGI Chandigarh) and Dr. Preeti Mehra (KEM Mumbai) regarding Budget proposal for NMCN Project Worskhop	1
	SGPGIMS, Lucknow	Video Conferencing session with Dr. N K Dhamija (Deputy Commissioner Telmedicine MOHFW Delhi), Dr. S K Mishra (SGPGI Lucknow), regarding Budget allocation for NMCN Project Telemedicine Workshop	1
	SGPGIMS, Lucknow	Video Conferencing session with Dr. S K Mishra (SGPGI Lucknow), Dr. Meenu Singh (PGI Chandigarh) regarding Budget proposal for NMCN Project	1
August	SGPGIMS, Lucknow	Tele-CGR	4
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	3
September	SGPGIMS, Lucknow	Tele-CGR	2
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	8
October	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Follow-up	2
November	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	1
	General Hospital, Yanam	Tele-Follow-up	4
December	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	2
	General Hospital, Yanam	Tele-Follow-up	3
January	Rashtrapathi Bhawan, New Delhi	NEW YEAR MESSAGE BY THE HON'BLE PRESIDENT OF INDIA ON 07TH January 2014	1
	SGPGIMS, Lucknow	Tele-CGR	1
	General Hospital, Yanam	Tele-Consultation	2
	General Hospital, Yanam	Tele-Follow-up	2
February	SGPGIMS, Lucknow	Tele-CGR	2
	SGPGIMS, Lucknow	Eastern Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW	7
	General Hospital, Yanam	Tele-Follow-up	4
March	SGPGIMS, Lucknow	Tele-CGR	3
	CMC Vellore	Tele-CME	1
	General Hospital, Yanam	Tele-Consultation	2
	General Hospital, Yanam	Tele-Follow-up	1
	PGI Chandigarh	North Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW	7
Total			128

- iii. On July 11, 2013 Organized Video Conferencing session between JIPMER and Vidyo.com office Chennai to find solution for Telemedicine Connectivity from JIPMER and GH Karaikal.
- iv. On July 20, 2013 Organized Video Conferencing Session between JIPMER Auditorium and SVIMS Tirupathi for delivering Lecture by Dr. J. Balachander, Medical Superintendent, JIPMER.
- v. From October 11 to 13, 2013, Organized Live Telecast of '2nd International and 7th National Conference of SWCR' from JIPMER Auditorium to 160 Medical Colleges of South India utilizing National Knowledge Network Connectivity.
- vi. From October 11 to 13, 2013, Organized Live Delivering of Lectures by International Faculties (Video Conferencing Session) from USA, Srilanka, Indonesia, Malaysia, UK etc., during '2nd International and 7th National Conference of SWCR' utilizing National Knowledge Network Connectivity held at JIPMER Auditorium.
- vii. Utilizing National Knowledge Network (NKN) connectivity Organized Live Telecast of International Summit on Emergency Medicine and Trauma (ISEMT) 2014 from JIPMER to 160 Medical Colleges of South India from February 14 to 16 2014 held at JIPMER Auditorium.
- viii. Utilizing National Knowledge Network (NKN) connectivity Organized and Live Telecasted from Seminar Room of Dept of Plastic Surgery to 160 Medical Colleges of South India, and AIIMS Raipur/Jodhpur Seminars on 'Pressure Sore', 'Chest Wall Reconstruction', 'Dupuytren's Contracture', 'Congenital Hand anomalies Part I', 'Ventilators/ABG/Regional Blocks', 'Hypospadias and Intersex Part I', 'Lasers', 'Nutrition in Burns' between April 2013 to March 2014.
- ix. Utilizing National Knowledge Network (NKN) connectivity Organized and Live Telecasted from Medical Virtual Class Room (VCR), Pasteur Theatre to NKN Connected Centres with VC facilities, Seminars on 'Volkman Ischemic Contracture', 'Acute Burns Part 1' between April 2013 to March 2014.
- x. Utilizing National Knowledge Network (NKN) connectivity Organized and Live Telecasted from Seminar room of Plastic Surgery SSB to 160 Medical Colleges of South India various weekly sessions of Journal Club/Short Case/Long Case presentations between April 2013 to March 2014.
- xi. Utilizing National Knowledge Network (NKN) connectivity Organized Live Telecast of Guest Lecture by Dr. Maurice (France) from Medical Virtual Class Room (VCR), Pasteur Theatre to NKN Connected Centres with VC facilities.
- xii. Utilizing National Knowledge Network (NKN) connectivity Organized Live Telecast and Video Conferencing Session Between JIPMER and AIIMS Raipur/Jodhpur in January 2014 on the occasion of Inauguration of JIPMER International School of Public Health (JISPH)
- xiii. Utilizing National Knowledge Network (NKN) connectivity Organized Live Telecast and Video Conferencing Session Between JIPMER and AIIMS Raipur/Jodhpur in March 2014 on the occasion of Retreat of JIPMER International School of Public Health (JISPH)
- xiv. Utilizing National Knowledge Network (NKN) connectivity Organized Live Telecast of Workshop on 'Airway management' to 160 Medical Colleges of South India on February 12, 2014 at JIPMER Academic Centre.
- xv. Utilizing National Knowledge Network (NKN) connectivity Organized Live Telecast of Workshop on 'Leadership in Emergency Medicine' to 160 Medical Colleges of South India on February 13, 2014 at JIPMER Academic Centre.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Ravi Kumar Chittoria

Conferences and CMEs Attended

- i. Attended 'NMCN Project Telemedicine Workshop' on August 16, 2013 in SSB Conference Hall, JIPMER.
- ii. On January 10, 2014 attended online 'Brain Storming Session on Central Asia e-Network' held in New Delhi Organized by CDAC, New Delhi.

- iii. In Feb 2014 attended Online 'Eastern Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW' held at SGPGI Lucknow.
- iv. In March 2014 attended Online 'North Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW' held at PGI Chandigarh.

Presented Paper/Lecture Delivered in Conference and CMEs

- i. Delivered Lecture: 'Telemedicine Experience at JIPMER' on 16th Aug 2013 in SSB Conference Hall, JIPMER in 'NMCN Project Telemedicine Workshop'.
- ii. Delivered Lecture: 'Telemedicine, e-Learning and Digital Library' in Sep 2013 for 'DM/M.Ch Orientation Programme' held at NTTC Hall JIPMER.
- iii. Delivered Guest Lecture: 'Telemedicine @ JIPMER' in Dec 2013 at Conference Hall SSB JIPMER for JIPMER Scientific Society (JSS) Monthly Meet.
- iv. Delivered Lecture: 'Telehealth Programme in JIPMER' on 10th January 2014 for 'Brain Storming Session on Central Asia e-Network' held in New Delhi Organized by CDAC, New Delhi.
- v. Delivered Lecture: 'Telemedicine in JIPMER' in Feb 2014 for 'Eastern Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW' held at SGPGI Lucknow.
- vi. Delivered Guest Lecture: Networking the Apex Institutions: Review of each institution's digital capacities in telemedicine and online learning. What are the possibilities and barriers to a common MPH curriculum across the Apex institutions? On 11th March 2014 at NTTC Hall JIPMER Academic Centre in a Programme: Transforming Public Health Education in India: collaboration between the Indian Ministry of Health and Family Welfare, JIPMER and the new AIIMS Institutions, and Havard School of Public Health.
- vii. Delivered Lecture: 'NKN Utilization in JIPMER' In March 2014 for 'North Regional workshop for Sensitization and Awareness of NMCN Project of MOH&FW' held at PGI Chandigarh.

RESEARCH PROJECTS

Nil

PUBLICATIONS

Nil

PATIENT CARE SERVICES

- i. Successfully running Teleophthalmology Project, Onconet Project, National Medical College Network (NMCN) Project, 'Telemedicine Clinic' on every Tuesday and Thursday and 'Telemedicine Emergency Teleconsultations' (daily) in the Dept of Plastic Surgery.
- ii. Total No. of Patients given Teleconsultations in Telemedicine Clinic on Tuesday and Thursday between April 2013 to March 2014 in Dept of Plastic Surgery 2379.
- iii. Total No. of Patients given Emergency Teleconsultations from April 2013 to March in Dept of Plastic Surgery 1437.

Awards, Honours and Other Personal Achievements

- i. Awarded with Citation and Certificate of Honour by JIPMER Scientific Society (JSS) for Delivering Guest Lecture in Dec 2013.
- ii. As Nodal Officer Telemedicine and In-Charge Telehealth Programme JIPMER developed Indigenous 'Mobile Telemedicine Console' and started using for 'Tele ICU Monitoring', 'Tele OPD Consultations', 'Tele Ward Round', 'Tele Emergency Consultations', 'Tele Surgery', 'Tele Burn Ward Monitoring', 'Tele Education' etc.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

- i. Telemedicine SOP was prepared and approved by Director JIPMER.
- ii. Telemedicine committee was constituted under the Chairmanship of Director JIPMER.
- iii. JIPMER Information Technology Services (JITS) Committee was constituted under the Chairmanship of Director JIPMER.
- iv. Nominated by Officer-In-charge CRAFT as Member of Purchase Committee for purchase of Laser Printer for AIS JIPMER.
- v. Started 'Medical Virtual Class Room (VCR)' based teaching sessions between JIPMER and Medical Colleges of South India with VC facilities.
- vi. Started 'Live Telecast' of Teaching Sessions between JIPMER and 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur.

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. Requested Mr. Prasanna, ISRO, Head Quarter, Bangalore to identify JIPMER on INSAT – III Satellite and reactivate the connectivity.
- ii. Seminar Room/Library Room in the Department of Plastic Surgery was identified as 'Centre for Advanced Telemedicine (CATM) for Telemedicine activities for the Department of Plastic Surgery.
- iii. JIPMER was reconnected with INSAT – III Satellite – for Telemedicine Activities.
- iv. Teleconsultation/Interaction held between Dr. Sriram, In-charge Telemedicine, Karaikal, Pondicherry and Dr. R. K. Chittoria, In-charge Telemedicine, JIPMER, Puducherry regarding active involvement of Karaikal Telemedicine Center and JIPMER Telemedicine Center.
- v. Teleconsultation held between Mr. Jay Patel, Mr. Phani Kumar ISRO, Ahmadabad and Dr. R. K. Chittoria, JIPMER regarding activation of Memorandum of understanding (MOU) between JIPMER & ISRO for further development of Telemedicine center of JIPMER Puducherry.
- vi. Mr. S. Gopinath from National Information Centre (NIC) Chennai and Officer In-charge of NKN (National Knowledge Network) visited the Department of Plastic Surgery and Computer Data Centre, JIPMER to check the NKN Connectivity and activation of NKN system in JIPMER.
- vii. To Expedite JIPMER Connectivity with General Hospital Karaikal Plan of action submitted to Director, JIPMER.
- viii. Communication and request was made to ISRO, NIC, NKN to connect JIPMER with GH Karaikal.
- ix. Request was sent through Director JIPMER to Director, Ministry of Health and Family Welfare (MOHFW), Pondicherry to provide internet connection in GH Karaikal to start connectivity between JIPMER and GH Karaikal.
- x. Submitted Feedback form to Ministry of Health and Family Welfare, Govt. of India regarding Telemedicine status in JIPMER.
- xi. On 20th July 2013 the request was sent to Dr. K. V. Raman, Director DGHS Pondicherry for providing PSWAN connectivity in Telemedicine Room of GH Karaikal for starting Telemedicine Activity between JIPMER and GH Karaikal.
- xii. Department developed Indigenous 'Mobile Telemedicine Console' and started using for 'Tele ICU Monitoring', 'Tele OPD Consultations', 'Tele Ward Round', 'Tele Emergency Consultations', 'Tele Surgery', 'Tele Burn Ward Monitoring', 'Tele Education' etc.
- xiii. Started 'Medical Virtual Class Room (VCR)' based teaching sessions between JIPMER and Medical Colleges of South India with VC facilities.
- xiv. Started 'Live Telecast' of Teaching Sessions between JIPMER and 160 Medical Colleges of South India and AIIMS Raipur/Jodhpur.
- xv. Submitted revised Proposal to Under Secretary to Govt of India MOHFW Nirman Bhawan New Delhi for immediate need of Telemedicine Infrastructure and Human resource at RRC JIPMER.
- xvi. Telemedicine SOP was prepared and approved by Director JIPMER.

Vigilance Cell and Disciplinary & Court Cases Cell

Disciplinary Cell and Court Cases Cell

M. Krishna Rao, Law Officer

BACK GROUND INFORMATION

The Disciplinary Cell and Court Cases Cell are dealing with all the Disciplinary Cases against Group A, B, C and D Officers of JIPMER. It is also dealing with all court cases for and against JIPMER. This section is playing proactive role in taking action on employees involved in criminal activities. This section consists two divisions. One is Disciplinary Cell which deals with disciplinary cases against employees of JIPMER. Another Cell is Court Cases Cell which deals with cases for and against JIPMER in all the courts of India. Both the cells work is to render justice and enforce discipline in the work environment of this Institute. More recently “Complaint Cell” is also started for dealing complaints from public as well as staff.

- i. The section has the following staff
 - a. Law Officer
 - b. Office Superintendent
 - c. Assistant (Litigation)
 - d. U.D.C—2
 - e. L.D.C—1
 - f. Peon
 - g. Data Entry Operator—2
- ii. Disciplinary cases dealt in this year as follows:
(Number of disciplinary cases breakup)
Group A—8
Group B—4
Group C—7
Group D—15
- iii. Court cases dealt in this year as follows:
 - a. Lower Courts—6
(Judicial Magistrate Court, District Munsif Court, Sub Court, Consumer)
 - b. Labour Court/W.C
Magistrate Courts—3
 - c. C A T—31
 - d. High Court—14

**Professor and Vigilance Officer
Pradhan S.C.**

REPORT ON COURT CASES/VIGILANCE AND DISCIPLINARY CELL

The vigilance cell has been active in investigating the complaints received on alleged employees of JIPMER by Vigilance Officer. The Vigilance Officer has investigated and collected evidences by adopting various procedures in collecting evidences relevant to the complaint. After thorough investigation, the Vigilance Officer has submitted his reports to the Director, JIPMER for necessary action. The cases referred by Central Vigilance Commissioner (CVC) have been sent to CVC, New Delhi.

The contact telephone number, e-mail address are displayed at prominent places in the premises of the Institution and also at the JIPMER website for easy access.

VIGILANCE AWARENESS WEEK

The vigilance awareness week was observed in this institute and Hospital from October 28 to November 02, 2013 as desired by Central Vigilance Commission, New Delhi. As far as this institute was concerned, the following measures were taken in connection with the above programme:

- i. A circular was issued to all departments and ancillary units of this institute, incorporating the various suggestions as recommended by the central vigilance commission.
- ii. Banners on the observance of the “Vigilance Awareness Week” in this Institute and Hospital were displayed in the prime locations.
- iii. The General public, patients and visitors were informed about the complaint mechanisms available in case if they were insisted on paying bribe or adopted corrupt practices.
- iv. Employees of the institute and hospital took pledge on this week and a report was sent to the Ministry, New Delhi.
- v. Employees of the Institute and Hospital took pledge on this week and a report was sent to the DGHS (A and V Section), New Delhi.

As a strategy to fight corruption it was an imaginative way of packing the message adopted by providing freedom and access to information. The Vigilance Awareness Week was, therefore, a successful programme in fighting corruption.

Finance Wing

Professor & Faculty In-Charge	:	S.C. Parija
Finance & Chief Accounts Officer	:	K. Mahesh (<i>From 13.03.2013 to 14.04.2014</i>) R. Senthilnathan (<i>From 15.04.2014 to till date</i>)
Accounts Officer	:	A. Selvam

This Institute receives Grant-in-aid under Plan and Non-Plan heads of accounts from the Ministry of Health & Family Welfare to meet recurring and non-recurring expenditure of the Institute and Hospital. For implementation of Drug De-addiction programme and Central Bureau of Health Intelligence, Ministry releases Grant-In-Aid. Besides, grants are being received from various funding agencies such as ICMR, DST, CSIR, WHO, UNICET, DBT, INDO-US projects etc., to carry out research activities. Further during 2013-14 treatment under Tamil Nadu Chief Minister comprehensive Insurance scheme is being implemented and respective expenditure is reimbursed by the Government of Tamil Nadu. Rashtriya Arogya Nidhi grants sanctioned by the Ministry of Health & Family Welfare are utilized for treatment of poor patients.

The Finance wing of this Institute monitors/controls the expenditure by obtaining monthly statements from various units/departments and control the financial outputs. Checks prescribed by Government of India in disbursement of payments are being exercised by Assistant Accounts Officer, Drawing and Disbursing Officer and Finance & Chief Accounts Officer.

Finance wing complies the annual account and submits the same to the Comptroller & Auditor General of India, Statutory auditor for certification of accounts.

Balance Sheet

FORM OF FINANCIAL STATEMENTS (Non-PROFIT ORGANIZATIONS)

Name of Entity **JIPMER**
BALANCE SHEET AS AT 31.03.2014

(Amount - ₹)

Corpus/Capital Fund and Liabilities	Schedule	Current Year 2013-2014	Previous Year 2012-2013
Corpus/Capital Fund	1	8,847,410,391	7,140,453,155
Reserves and Surplus	2	-	-
Earmarked/endowment funds	3	70,142,169	11,337,016
Secured loans and borrowings	4	-	-
Unsecured loans and borrowings	5	-	-
Deferred credit liabilities	6	-	-
Current liabilities and provisions	7	800,171,495	388,567,960
Total		9,717,724,055	7,540,358,131
Assets			
Fixed assets	8	6,901,280,872	5,132,469,858
Investments – from earmarked/endowment funds	9	-	-
Investments – others	10	-	-
Current assets, loans, advances etc.	11	2,816,443,183	2,407,888,273
Miscellaneous expenditure (To the extent not written off or adjusted)		-	-
Significant accounting policies	24	-	-
Contingent liabilities and notes on accounts	25	-	-
Total		9,717,724,055	7,540,358,131

R. SENTHILNATHAN
Finance & Chief Accounts Officer
 JIPMER

Dr. T.S. RAVIKUMAR
Director
 JIPMER

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER**

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD / YEAR ENDED 31.03.2014

(Amount - ₹)

INCOME	Schedule	Current Year 2013-2014	Previous Year 2012-2013
Income from Sale / Services	12	323,664,115	72,801,594
Grants/ Subsidies	13	-	2,494,479,500
Fees/ Subscriptions	14	-	-
Income from Investments (Income on Invest. from earmarked/endow.Funds transferred to Funds)	15	-	-
Income from Royalty, publication etc.	16	-	-
Interest Earned	17	141,343,610	190,245,466
Other Income	18	-	-
Increase/ (decrease) in stock of Finished goods and works-in-progress	19	39,516,115	10,700,894
Transfer from Corpus fund for Expenses incurred		3,610,932,934	
TOTAL (A)		4,115,456,773	2,768,227,454
EXPENDITURE			
Establishment Expenses	20	2,022,680,401	1,766,680,164
Other Administrative Expenses etc.	21	1,296,293,418	618,803,270
Expenditure on Grants, Subsidies etc.	22	-	19,527,207
Interest	23	-	-
Depreciation (Net Total authorities the year-end- corresponding to Schedule 8)	8	796,482,954	484,159,283
TOTAL (B)		4,115,456,773	2,889,169,924
SIGNIFICANT ACCOUNTING POLICIES (+ / -) Prior Period Income Expense Netted	24	-	(146,477,754)
Balance being excess of Income over Expenditure (A-B)		-	2,742,692,170
Transfer to Special Reserve (Specify each)			
Transfer to / from General Reserve			
BALANCES BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS/CAPTIAL FUND			25,535,284
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

K. SENTHILNATHAN
Finance & Chief Accounts Officer
JIPMER

Dr. T.S. RAVIKUMAR
Director
JIPMER

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

	CURRENT YEAR 2013-14			PREVIOUS YEAR 2012-13		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
RECEIPTS						
I. Opening Balances						
c) Cash in hand - Cashier	24,494,482		24,494,482	32,650,930		32,650,930
GFATM College of Nursing	1,126		1,126	764		764
d) Bank Balances						
i) In current accounts						
- GIA SBI A/c No: 2008	793,872,626		793,872,626	(23,322,733)		(23,322,733)
- CBHI SBI A/c No: 2008			-	725,313		725,313
- Drug De Addiction: 2008			-	(118,251)		(118,251)
- Revenue A/c - 504	34,491,093		34,491,093	7,818,046		7,818,046
- GFATM - College of Nursing - 903	58,143		58,143	82,241		82,241
- Academic Fund - SBI - 233			-	26,233,369		26,233,369
- Academic Fund - SBI - 792			-	6,398,424		6,398,424
- Recovery Account - SBI - 658	4,699,547		4,699,547	39,766,199		39,766,199
- Reg Cancer Fund - RAN - BOB 219	563,888		563,888	505,114		505,114
- MS RAN BOB - 001	1,172,193		1,172,193	539,689		539,689
- Specific Purpose - BOB 001	11,700,119		11,700,119	1,632,198		1,632,198
- PFA SBI - 203	94,062		94,062	149,995		149,995
- Specific Research Fund - SBI - 209	4,178,147		4,178,147	7,602,211		7,602,211
Patients Fund Account - B.O.B 9834020000010	50,000		50,000	-		-
- Power Jyoti	25,000		25,000	-		-
ii) In deposit accounts						
- Endowment Fund - Cash Section FDR	-		-	1,954,049		1,954,049
- Other Fund - Purchase Section FDR	777,900		777,900	777,900		777,900
- Letter of Credit - Deposits	8,189,817		8,189,817	22,787,000		22,787,000
- JIPMER Revenue FDR	292,495,856		292,495,856	153,000,000		153,000,000
- GIA Account - FDR	578,400,000		578,400,000	2,000,000,000		2,000,000,000

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

RECEIPTS	CURRENT YEAR 2013-14			PREVIOUS YEAR 2012-13		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
- Recovery Account - FDR	-	-	-	100,000,000	-	100,000,000
- PFA - FDR	-	-	-	1,309,866	-	1,309,866
- FD Specific Purpose	-	-	-	-	-	-
- Flexi Deposit	-	-	-	-	-	-
II. Grants Received						
d) From Government of India						
Grant in Aid	1,449,030,000	1,955,000,000	3,404,030,000	1,181,100,000	1,309,900,000	2,491,000,000
Drug De Addiction Programme	1,500,000	-	1,500,000	950,000	-	950,000
CBHI (Central Bureau of Health Intelligence)	500,000	-	500,000	2,529,500	-	2,529,500
Oversight Committee -Recurring	150,000,000	-	150,000,000	-	-	-
e) From State Government	-	-	-	-	-	-
f) From other sources (details)	-	-	-	-	-	-
- Academic Fund - SBI - 233 (On Closure)	-	-	-	26,233,369	-	26,233,369
- Academic Fund - SBI - 792 (On Closure)	-	-	-	6,398,424	-	6,398,424
- GFATM from CMC & INC, Delhi	2,259,948	-	2,259,948	2,860,000	-	2,860,000
- MS - RAN	-	-	-	2,000,000	-	2,000,000
- Regional Cancer Fund	1,000,000	-	1,000,000	-	-	-
- Specific Project	-	-	-	166,677	-	166,677
- Specific Fund & Research	23,468,850	-	23,468,850	12,477,262	-	12,477,262
- PFA	11,603	-	11,603	-	-	-
- Letter of Credit FDR - Closure	-	-	-	22,787,000	-	22,787,000
III. Income on Investments from						
- GFATM - College of Nursing	-	-	-	11,413	-	11,413
- PFA	-	-	-	-	-	-
- Drug De Addiction Programme	-	-	-	-	-	-
- CBHI (Central Bureau of Health Programme	-	-	-	-	-	-
- Specific Fund & Research	-	-	-	-	-	-
b) Own Funds (Other Investment)	-	-	-	120,100,960	-	120,100,960

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

RECEIPTS	CURRENT YEAR 2013-14			PREVIOUS YEAR 2012-13		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
IV. Interest Received			-			
c) On Bank deposits			-			
- Grant in Aid - Sweep Account			-	9,051,026		9,051,026
- Grant in Aid - Fixed Deposits	21,959,563		21,959,563	-		-
- Receipt Account	7,599,625		7,599,625			
- Specific Account			-			-
- Poor Patient Fund Account			-			-
- Recovery Account			-	3,136,417		3,136,417
- Academic Fund - SBI - 233			-	593,604		593,604
- Academic Fund - SBI - 792			-	144,782		144,782
- Bank of Baroda			-	11,436,655		11,436,655
d) Loans, Advances etc.			-			
- EMD / SD Collection	26,338,468		26,338,468	19,442,369		19,442,369
- Caution / Hostel Deposit	625,000		625,000	6,000		6,000
- CGEGIS	452,865.00	621,270	1,074,135	481,030	640,950	1,121,980
- CGEIS			-		10	10
- Postal Life Insurance		14,220	14,220		14,730	14,730
- Suspense Account - Deputationist	296,640	440,904	737,544	480,680	358,844	839,524
- LTC Advance	257,000	573,430	830,430	-		-
- Festival Advance - Recovery	875,926	2,168,625	3,044,551	683,424	1,766,125	2,449,549
- Overpayment - Recovery	1,188,384	2,753,476	3,941,860	1,155,309	3,108,799	4,264,108
- Cyclone Advance Recovery	1,528,000	2,830,000	4,358,000	4,224,250		4,224,250
- House Building Advance	91,488	189,440	280,928	95,238	217,094	312,332
- Motor Car Advance		20,200	20,200		25,800	25,800
- Scooter Advance	110,057	203,864	313,921	225,391	344,208	569,599
- Scooter Advance - Interest			-	2,500	3,500	6,000
- GPF Other than Gr D			-	68,481,569	120,444,631	188,926,200

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

RECEIPTS	CURRENT YEAR 2013-14			PREVIOUS YEAR 2012-13		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
- GPF Group D			-	3,696,260	14,418,830	18,115,090
- GPF Advance	29,794,556	45,638,313	75,432,869			
- GPF Subscription	41,947,540	86,541,500	128,489,040			
- Employees Provident Fund	2,472,362	744,938	3,217,300			
- Sales Tax	14,370		14,370			
- TDS - Firm Bills	6,879,448	1,863,650	8,743,098	828,430	2,244,210	3,072,640
- TDS - Staff Salary	32,991,918	85,221,980	118,213,898	25,723,740	67,478,076	93,201,816
- TDS - Rent	26,080		26,080			
- TCS - Firm Bills	69,060		69,060			
- NPS Recovery				40,089,276	25,129,070	65,218,346
- NPS Govt. Contribution Payable						
- NPS Employee Contribution Payable	30,530,873	18,081,048	48,611,921			
- Bank Returned Payments	2,472,534	1,740,827	4,213,361			
- Scholarship / Stipend						
- Letter of Credit						
- Advance to Dept.	7,786,539	624,160	8,410,699			
- Advance to HLL						
- Deposit - BSNL	6,818		6,818			
- Interest Accrued on Deposits						
V. Other Income (Specify)						
- Licence Fee	7,795,101		7,795,101	3,121,422	1,829,902	4,951,324
- Water Charges	47,231		47,231	20,717	31,631	52,348
- Sale of Application & Exam Fees (Academic Section)	163,513,213		163,513,213	42,955,026	345,116	43,300,142
- Miscellaneous Receipts - Income From Sales	518,233		518,233	6,001,159		6,001,159
- Miscellaneous Income - Income from Services	12,608,441		12,608,441	23,500,293		23,500,293
- Housing Receipts	2,429,558		2,429,558			

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

PAYMENTS	CURRENT YEAR 2013-14		PREVIOUS YEAR 2012-13	
I. Expenses				
a) Establishment Expenses				
(corresponding to Schedule 20)				
- Salaries & Wages	337,747,884	646,240,353	983,988,237	507,330,728
- Pension & Pensionary Benefits	201,273	44,102,987	44,304,260	17,587,426
- N.P.S. Institute Contribution			-	12,564,535
- Allowances and Bonus	368,599,330	655,018,112	1,023,617,442	627,503,854
- Salary for Contract Staff	56,580,757	-	56,580,757	29,754,669
- Staff Welfare	-	-	-	-
b) Administrative Expenses				
(corresponding to Schedule 21)				
- Office Expenses	10,400,574	4,838,400	15,238,974	11,578,944
- Supplies and Materials	345,076,359	162,714,783	507,791,142	188,261,128
- Books for SC / ST	153,901	250,689	404,590	1,081,804
- Information Technology	21,431,926		21,431,926	-
- Machinery & Equipment Expenses	24,289,814	18,024,664	42,314,478	-
- Building Maintenance - Minor Repair	59,868,153	114,763,559	174,631,712	49,415,389
- Repair & Maintenance (Motor Vehicles)	1,935,017	2,136,957	4,071,974	588,284
- Other Expenditure - Hospital Waste Management	4,258,901		4,258,901	3,080,091
- Professional Services		14,075,993	14,075,993	18,427,500
- Rent, Rates & Taxes	620,758		620,758	1,468,338
- Repairs & Maintenance (Plant & Machinery)	38,732,931	8,121,952	46,854,883	9,614,192
- Travel expenses	5,037,442	3,333,250	8,370,692	-
- Scholarships/ Stipend		6,018,164	6,018,164	3,967,883
- Electricity Expenses	76,268,841	39,248,255	115,517,096	42,327,131
- Printing & Stationery	149,100		149,100	640,850
- Postage , Telephone & Communication Charges	3,399,756	917,960	4,317,716	834,834

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

PAYMENTS	CURRENT YEAR 2013-14		PREVIOUS YEAR 2012-13	
	4,784,212	10,000	4,794,212	2,876,168
- Legal Fees	174,350	-	174,350	4,765,729
- Audit Fees	-	6,864,566	6,864,566	7,641,897
- Advertisement charges	12,085,351	-	12,085,351	6,322,760
- Research & Activities	-	-	-	22,467,000
- Creation of Capital Asset	-	-	-	-
- Subscription & Journals	10,080,516	-	10,080,516	-
- Drugs, Consumables & Surgicals	639,427	-	639,427	-
- Repairs & Maintenance (Computer)	570,756	-	570,756	-
- Educational & Awareness Programme Expenses	1,584,028	-	1,584,028	-
- Delegation Fees	15,200	-	15,200	-
- Entrance Exam Expenses	1,100,000	-	1,100,000	-
- Letter of Credit - Bank Charges	516,966	-	516,966	-
- Bank Charges	88,535	-	88,535	-
- Prior Period Expenses	45,136	-	45,136	-
- Other Expenses	1,196,095	-	1,196,095	-
II. Payments made against funds for various projects				
- Drug De Addiction			-	1,042,191
- CBHI			-	2,059,292
- GFATM College of Nursing	2,282,699		2,282,699	2,595,149
- Regional Cancer Fund	895,728		895,728	-
- RAN Med expenses for poor patients			-	50,110
- Poor Fund Account	78,254		78,254	-
- Specific Fund and Research	13,901,713		13,901,713	15,214,452
- Oversight Committee	246,029,314		246,029,314	-
III. Investments and deposits made				
b) Out of Earmarked/Endowment funds			-	-
b) Out of Own Funds (Investments-Others)			-	-

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

PAYMENTS	CURRENT YEAR 2013-14		PREVIOUS YEAR 2012-13	
IV. Expenditure on Fixed Assets & Capital Work-in- Progress				
a) Purchase of Fixed Assets		0		0
- Life Saving Machinery & Equipment	5,158,720	5,158,720	87,150,798	15,424,876
- General Equipment	66,078,898	60,579,793	126,658,691	102,575,674
- Building - Non residential				
- Furniture	6,714,855	6,714,855	3,023,892	3,023,892
- Electrical Installation				
- Computers AIS Unit			29,224,498	29,224,498
- Computers HIS Unit				
- Central Library Books	1,044,912	7,539,826	8,584,738	
- Central Library Journals	1,019,150	11,545,761	12,564,911	10,551,429
- Expenditure on Capital Work-in-progress	98,179,414	98,179,414		
- Payment to HLL (Advance)			90,916,709	90,916,709
- Oversight Committee			639,825,740	639,825,740
V. Refund of Surplus money/Loans				
d) To the Government of India				
e) To the State Government				
f) To other providers of Funds				
Refund of EMD / SD	15,339,347	15,339,347	9,700,925	9,700,925
Refund of Caution Deposit	112,000	112,000	70,000	70,000
Letter of Credit Payment for Machinery				
LIC Recovery				
GPF Settlement				207,041,299
NPS Settlement			64,917,112	64,917,112
NPS Govt. Contribution Payable	23,593,409	17,716,516	41,309,925	
NPS Employees Contribution Payable	23,593,409	17,716,516	41,309,925	
NPS Arrear	275,011	275,011	275,011	

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

PAYMENTS	CURRENT YEAR 2013-14		PREVIOUS YEAR 2012-13	
Loan Settlement		-	-	-
CCEGIS Settlement	43,794	103,900	147,694	-
PLI Settlement		14,220	14,220	14,730
Suspense Account Settlement	296,640	440,904	737,544	839,524
LTC Advance	654,090	813,330	1,467,420	-
Scooter Advance		920	920	-
Festival Advance	961,125	2,160,375	3,121,500	-
TDS Salary Settlement	31,488,515	85,411,072	116,899,587	92,169,324
TDS Firm Settlement	6,693,540	2,122,850	8,816,390	5,296,237
TDS on Rent	14,080		14,080	-
Sales Tax	14,370		14,370	-
TCS - Firm Bills	5,321		5,321	-
Adjustments (Suspense)			-	14,411,411
GPF Funds Transferred to General Provident Account			-	400,999,991
GPF Advance	27,414,588	48,014,011	75,428,599	
GPF Subscription	38,597,700	89,889,340	128,487,040	
GPF A/c due to Separation	12,845,283		12,845,283	
Specific Fund FDR Transferred to earmarked Fund A/c			-	7,500,000
Advance to Dept	314,853,959	14,413,483	329,267,442	
Bank Returned Payments	1,743,240	1,525,846	3,269,086	
Interest Accrued			-	-
Licenses Fee Receivable			-	-
Insurance Claim Receivable	43,216,261		43,216,261	
Tds Insurance	2,493,210		2,493,210	
VI. Finance Charges (Interest)			-	-
VII. Other Payments (Specify)			-	-
VIII. Closing Balances			-	-
Cash in hand with cashier	28,493,433		28,493,433	24,494,482
Cash in hand - GFATM -	26		26	1,126
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000
				14,411,411
				400,999,991
				14,411,411
				400,999,991
				7,500,000

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER, PUDUCHERRY
RECEIPTS AND PAYMENTS FOR THE PERIOD /YEAR ENDED 31.03.2014

(Amount in ₹)

PAYMENTS	CURRENT YEAR 2013-14		PREVIOUS YEAR 2012-13	
d) Bank Balances.				
i) In current accounts				
GIA SBI Account No: 2008	58,615,188		58,615,188	792,844,606
JIPMER Revenue A/c No: 30749579504	10,450,145		10,450,145	34,491,093
GFATM - College of Nursing - 3083211903	36,492		36,492	58,143
Recovery Account- SBI 31545908658	4,699,547		4,699,547	4,699,547
RAB - BOB - 98340100002219	668,160		668,160	-
MS RAN - BOB - 98340200000001	1,172,193		1,172,193	1,172,193
Specific Purpose -BOB -98340200000001	11,700,119		11,700,119	-
PFA SBI A/c No: 101000111203	27,411		27,411	94,062
Specific Fund - 1010030209	13,623,742		13,623,742	4,178,147
TN Chief Minister Insurance Scheme -SBI A/c	21,628,759		21,628,759	
Power Jyoti	25,000		25,000	25,000
MBBS BOB 984302000000013	45,804,687		45,804,687	
MD MS BOB 984302000000012	19,791,009		19,791,009	
Donation Campaign - 33706129327	1,509,450		1,509,450	
SBI Bank Gurantee- 33270751656	3,500,000		3,500,000	
Patients Fund Account - B.O.B 983402000000010	200,000		200,000	50,000
ii) In deposit accounts				
Endowment Fund - Cash Section FDR	-		-	1,954,049
Other Fund - Purchase Section FDR	777,900		777,900	777,900
LC Deposits	8,189,817		8,189,817	8,189,817
JIPMER Revenue A/c FDR	504,542,127		504,542,127	288,900,000
GIA Account FDR			-	578,400,000
PFA FDR	1,479,188		1,479,188	-
Fixed Deposits - specific Purpose	7,500,000		7,500,000	
Flexi Deposits (Surabhi)	1,063,696,292		1,063,696,292	-
TOTAL	4,176,237,803	2,091,848,027	6,268,085,830	4,130,059,787
				1,695,749,198
				5,825,808,985

JIPMER, PUDUCHERRY
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2014

SCHEDULE 1 - CORPUS/CAPITAL FUND:	Current Year 2013-2014	Previous Year 2012-2013
Balance as at the beginning of the year	7,140,453,155	7,114,917,871
Add: Prior Period Adjustments	1,913,860,169	
Add: Contributions towards Corpus/Capital Fund	3,404,030,000	
Add/(Deduct): Transfer to Income and Expenditure account for expenses Incurred	3,610,932,934	25,535,284
BALANCE AT THE YEAR END	8,847,410,391	7,140,453,155

(Amount - ₹)

SCHEDULE 2-RESERVES AND SURPLUS:	Current Year 2013-2014	Previous Year 2012-2013
1. Capital Reserve:		
As per last Account		
Addition during the year		
Less: Deductions during the year	-	
2. Revaluation Reserve:		
As per last Account		
Addition during the year		
Less: Deductions during the year	-	
3. Special Reserves:		
As per last Account		
Addition during the year		
Less: Deductions during the year	-	
3. General Reserve:		
As per last Account		
Addition during the year		
Less: Deductions during the year	-	
TOTAL	-	-

Notes: opening balance of Drug De-Additional, CBHI, Poor Fund, specific Research fund, WIP, Oversight Committee and opening Differences of fixed deposits are adjusted in corpus fund by way of prior period Adjustments

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)
Name of Entity JIPMER , PUDUCHERRY
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2014

FUNDS	SCHEDULE 3 - EARMARKED/ENDOWMENT FUNDS			FUND – WISE BREAK UP			TOTALS	
	Opening Balance (A)	Additions (B)	Utilization (Revenue Exp) (c)	Closing Balance (A + B - C)	Current Year 2013-2014	Previous Year 2012-2013	(Amount - ₹)	
a) Opening balance of the funds								
Specific & Research Fund -								
Rashtriya Arokia Nidhi	5,013,208	30,968,850	14,858,316	21,123,742	21,123,742	5,013,208		
Poor Fund Account	2,804,391	-	-	2,804,391	2,804,391	2,804,391		
Regional Cancer Fund	164,707	1,698,819	156,927	1,706,599	1,706,599	164,707		
GFATM - College of Nursing	505,114	1,058,774	895,728	668,160	668,160	505,114		
Interest & Others Received	47,856	2,271,361	2,282,699	36,518	36,518	47,856		
Endowment Fund FDR	981,006	-	-	981,006	981,006	981,006		
	1,820,734	-	-	1,820,734	1,820,734	1,820,734		
Total (a)	11,337,016	35,997,804	18,193,670	29,141,150	29,141,150	11,337,016		

FUNDS	SCHEDULE 3 - OTHER FUNDS			FUND – WISE BREAK UP			TOTALS	
	Opening Balance (A)	Additions (B)	Utilization (Revenue Exp) (c)	Closing Balance (A + B - C)	Current Year 2013-2014	Previous Year 2012-2013	(Amount - ₹)	
a) Opening balance of the funds								
CBHI								
Drug De Addition	-	1,695,521	1,328,985	366,536	366,536	-		
b) Over Sight Committee	-	1,590,000	1,182,000	408,000	408,000	-		
-Recurring Fund	-	150,444,203	150,444,203	-	-	-		
-Non Recurring Fund	-	286,700,000	246,473,517	40,226,483	40,226,483	-		
Total (a)	-	440,429,724	399,428,705	41,001,019	41,001,019	-		

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2014

SCHEDULES 7-CURRENT LIABILITIES AND PROVISIONS	Current Year 2013-2014	Previous Year 2012-2013	(Amount - ₹)
(c) Earnest Money Deposit			
Opening Balance	35,603,136	25,861,692	
Add: Additions during the year	26,338,468	19,442,369	
Less: Payments during the year	15,339,347	9,700,925	35,603,136
(d) Education Section - Caution Deposit			
Opening Balance	1,772,000	1,836,000	
Add: Additions during the Year	625,000	6,000	
Less: Payments during the year	112,000	2,285,000	1,772,000
(e) TDS Liability			
Opening Balance	-		
Add: Additions during the Year	128,790,290		
Less: Payments during the year	125,730,057	3,060,233	-
(f) TCS Liability			
Opening Balance	-		
Add: Additions during the Year	69,060		
Less: Payments during the year	5,321	63,739	-
(g) New Pension Scheme			
Recovered During the year (Employee & JIPMER Cont)	96,673,820	65,218,346	
Less: Settled during the year	82,619,850	14,053,970	-
(h) Employees Provident Fund			
Opening Balance	-		
Add: Additions during the Year	3,217,300		
Less: Payments during the year	-	3,217,300	-
TOTAL (A) Current Liabilities	135,732,642	135,732,642	358,631,423

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity JIPMER, PUDUCHERRY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2014

(Amount - ₹)

SCHEDULES 7-CURRENT LIABILITIES AND PROVISIONS	Current Year 2013-2014	Previous Year 2012-2013
B. PROVISIONS		
1. For Taxation		
2. Gratuity		
3. Superannuating/Pension		
4. Accumulated Leave Encashment		
5. Expenses Payable	331,966,084	
6. Legal Expenses Payable - Chandrasekar	1,500,000	
7. Trade Warranties/Claims		
- Opening Balance (Audit)	1,000,000	1,000,000
- Add: Provisions during the Year	-	-
- Less: Payment during the year	1,000,000	-
8. MACP arrear provisions for retired employees		
Opening Balance		
Add: Provisions during the year		
Less: Payment during the year		
9. Salary Difference Adjustments. (03/11 & 03/12)		
Opening Balance	321,256,287	15,826,748
Add: Provisions during the year	14,656,689	16,091,254
Less: Payment during the year	6,884,482	15,826,748
Less: Settlement during the year		
10. Others - To GPF A/c Due to Separation		
Opening Balance	12,845,283	
Add: Provisions during the year	-	
Less: Payment during the year	12,845,283	
11. Others - Bank Returned Payments		
Opening Balance	-	
Add: Payments returned in Bank during the year	4,213,361	
Less: Corresponding Payment made during the year	3,269,086	944,275
TOTAL B	664,438,853	29,936,537
TOTAL (A+B)	800,171,495	388,567,960

JAWAHARLAL INSTITUTE OF POST GRADUATE MEDICAL EDUCATION AND RESEARCH SCHEDULES FORMING PART OF BALANCE SHEET FOR THE YEAR ENDED 31-03-2014

(Amount - ₹)

Sl. No	TYPE OF ASSETS	Gross Block						DEPRECIATION						NET BLOCK	
		Gross Block as on 1/4/2013	Additions > 180 days	Additions < 180 days	Total Additions during the year	Gross Block as on 31/03/2014	Deletion / Transfer WIP	Rate of Depreciation	Depreciation as on 01/04/2013	Depreciation Assets > 180 Days	Depreciation Assets < 180 Days	Total Depreciation	Net Block as on 31/03/2013	Net Block as on 31/03/2014	
1	Land	120,000	-	-	-	120,000	-	0.00%	-	-	-	-	120,000	120,000	
2	Building Non-Residential	2,462,846,994	-	-	-	2,462,846,994	-	10.00%	246,284,699	221,656,230	-	467,940,929	2,216,562,295	1,994,906,065	
3	Building Residential	765,435,617	-	-	-	765,435,617	-	5.00%	38,271,781	36,358,192	-	74,629,973	727,163,836	690,805,644	
4	Machinery & Equipments														
	a) General Equipments	333,264,553	426,107	239,270,857	239,696,964	572,961,517	-	15.00%	49,967,338	42,558,498	17,945,314	283,297,215	462,490,367		
	b) Life Saving Equipments	167,698,262	5,158,720	5,158,720	5,158,720	172,856,982	-	40.00%	60,112,556	45,097,770	-	107,585,706	67,646,656		
	TOTAL M & E	500,962,815	5,584,827	239,270,857	244,855,684	745,818,499	-		110,079,894	87,656,268	17,945,314	390,882,921	530,137,023		
5	COMPUTER														
	1) AIS Unit	33,172,734				33,172,734	-	60.00%	12,724,839	12,268,737	-	20,447,895	8,179,158		
	2) HIS Unit	987,316				987,316	-	60.00%	592,390	236,956	-	394,926	157,970		
	TOTAL Computer	34,160,050	-	-	-	34,160,050	-		13,317,229	12,505,693	-	20,842,821	8,337,128		
6	Motor Vehicles	9,953,337				9,953,337	-	15.00%	1,493,001	1,269,050	-	8,460,336	7,191,286		
7	Central Library Books	10,243,980	4,029,386	771,114	4,800,500	15,044,480	-	60.00%	6,146,388	4,876,187	231,334	4,097,592	3,790,571		
8	Central Library Journals	18,043,954	3,002,381	2,769,683	5,772,064	23,816,018	-	60.00%	10,014,965	6,618,822	830,905	8,028,989	6,351,326		
	Total Books & Journals	28,287,934	7,031,767	3,540,797	10,572,564	38,860,498	-		16,161,353	11,495,009	1,062,239	12,126,581	10,141,897		
9	Office Furniture	73,687,829	5,060,455	1,654,400	6,714,855	80,402,684	-	10.00%	7,368,783	7,137,950	82,720	66,319,046	65,813,231		
10	Electrical Installation	363,225,430				363,225,430	-	10.00%	36,322,543	32,690,289	-	326,902,887	294,212,598		
11	External Services	148,600,000	3,532,500,000		3,532,500,000	3,681,100,000	-	10.00%	14,860,000	366,624,000	-	133,740,000	3,299,616,000		
12	Work in Progress	1,229,349,135				1,229,349,135	-								
	TOTAL	5,616,629,141	3,550,177,049	244,466,054	3,794,643,103	9,411,272,244	1,229,349,135		484,159,283	777,392,681	19,090,273	5,132,469,858	6,901,280,872		

3794643103

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity JIPMER, PUDUCHERRY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 9 - Investments From Earmarked/Endowment Funds	Current Year 2013-2014	Previous Year 2012-2013
In Government Securities		
Other approved Securities		
Shares		
Debentures and Bonds		
Subsidiaries and joint Ventures		
Others (to be specified)		
TOTAL		

Schedule 10 - Investments - Others	Current Year 2013-2014	Previous Year 2012-2013
In Government Securities		
Other approved Securities		
Shares		
Debentures and Bonds		
Subsidiaries and Joint Ventures		
Others (to be specified)		
TOTAL		

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014 (Amount in ₹)

Schedule 11- Current Assets, Loans, And Advances Etc.	Current Year 2013-2014	Previous Year 2012-2013
A. CURRENT ASSETS:		
I. Inventories:		
a) Stores and Spares		
- Disinfectant Store	2,008,283	2,327,941
- Surgical Dressing Store	8,047,782	4,020,405
- Chemical Store	526,282	598,889
- Tablet Store	11,401,675	9,096,878
- Linen Store	11,092,122	
- Steriliser Store	15,543,685	
- Injection Store	32,337,430	25,397,030
b) Loose Tools		41,441,144
c) Stock-in-trade		-
Finished Goods		-
Work-in-Progress		-
Raw Materials		-
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months		
b) Others		
3. Cash balances in hand (including cheques/drafts and imp rest)		
- Cash on hand with cashier	28,493,433	24,494,482
- Cash on hand - GFATM - College of Nursing	26	1,126
4. Bank Balances:		
a) With Scheduled Banks:		
On Current Accounts		
- JIPMER GIA A/c SBI A/c No: 30749572008	58,615,188	793,872,626
- JIPMER Revenue A/c SBI A/c No: 30749579504	10,450,145	34,491,093
- GFATM - College of Nursing SBI A/c No: 3083211903	36,492	58,143
- Recovery Account - SBI A/c No: 31545908658	4,699,547	4,699,547

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity JIPMER, PUDUCHERRY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014
(Amount in ₹)

Schedule 11- Current Assets, Loans, And Advances Etc.	Current Year 2013-2014	Previous Year 2012-2013
- Regional Cancer Fund A/c - RAN- B.O.B - 2219	668,160	563,888
- MS RAN BOB - 98340200000001	1,172,193	1,172,193
- Specific Purpose - B.O.B 98340200000001	11,700,119	11,700,119
- Power Jyoti	25,000	25,000
- PFA - SBI A/c No: 101000111203	27,411	94,062
- Poor Patient Aid Fund A/c No: B.O.B: 983402000000010	200,000	50,000
- TN Chief Minister Insurance Scheme - SBI A/c	21,628,759	-
- MBBS BOB - 983402000000013	45,804,687	-
- MD MS BOB - 983402000000012	19,791,009	-
- Donation Campaign Sbi - 33706129327	1,509,450	-
- SBI Bank Gurantee - 33270751656	3,500,000	-
- Specific Fund & Research Account - SBI 1010030209	13,623,742	4,178,147
b) With non-Scheduled Banks:		850,904,818
On Current Accounts	-	-
On Deposit Accounts	-	-
On Saving Accounts	-	-
5. Balances in Fixed Deposit:		
- Endowment Fund - Cash Section FDR	-	-
- Other Fund - Purchase Section FDR	777,900	777,900
- LC Deposit	8,189,817	8,189,817
- JIPMER Revenue FDR	504,542,127	292,495,856
- Specific Research Fund	7,500,000	
- GIA A/c FDR		578,400,000
- PFA - FDR	1,479,188	-
- Flexi Deposits (surabhi)	1,063,696,292	1,586,185,324
On Saving Accounts		879,863,573
TOTAL (A)	1,889,087,944	1,796,705,143

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014 (Amount in ₹)

Schedule 11- Current Assets, Loans, And Advances Etc.	Current Year 2013-2014	Previous Year 2012-2013
B. LOANS, ADVANCES AND OTHER ASSETS		
1. Loans:		
a) Staff		
b) Other entities engaged in activities similar to that of the Entity		
c) Other (specify)		
1. HLL Advance	380,328,996	380,328,996
2. CPWD Advance	88,592,871	88,592,871
3. LC Payments	-	-
4. Advance for Vehicle Purchase	-	-
5. Information & Technology (BSNL)	3,705,252	3,712,070
6. Advance for Enhancement of Electricity Connection	2,621,000	2,621,000
2. Advances and other amounts recoverable in cash or in kind or for value to be received:		475,254,937
a) On Capital Account		
b) Prepayments (Advance for Dept.)	374,633,610	89,929,491
c) Salary Advances Deduction	-	7,750,739
3. Income Accrued:		
a) On Investments from Earmarked/Endowment Funds	-	-
b) On Investments – Others (GIA Account & Receipt FDs)	20,871,549	38,247,963
c) On Loans and Advances		
- HLL Interest	-	-
- Letter of Credit Interest	-	-
d) Others (includes income due unrealized- Rs...)	-	-
4. other Asset:		
a) Prepaid Subscription	10,577,085	
b) Tds	2,529,300	13,106,385
5. Claims Receivable - (Insurance Claim from TNMCHIS)		
Licence Fees Receivable	279,315.00	43,495,576.00
TOTAL (B)	927,355,239	611,183,130
TOTAL (A+B)	2,816,443,183	2,407,888,273

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity JIPMER, PUDUCHERRY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 12- Income From Sales/Services	Current Year 2013-2014		Previous Year 2012-2013			
	Academic Section	Through Pay Bill & Cash Receipt	Total	Academic Section	Through Pay Bill & Cash Receipt	Total
1) Income from Sales						
a) Sale of Application Forms	120,533,238	4,154,094	124,687,332	42,955,026	345,116	43,300,142
b) Exam Fee Receipts	33,027,076		33,027,076		3,936,361	3,936,361
c) Sale of Scraps		976,839	976,839		1,439,748	1,439,748
d) Sale of Tender	265,710	252,313	518,023		625,050	625,050
2) Income from Services						
a) Guest House		942,682	942,682		1,483,858	1,483,858
b) Licence Fee	2,185,037	5,677,024	7,862,061		4,951,324	4,951,324
c) RTI Fee		7,288	7,288		6,906	6,906
d) Notice Period		5,412,714	5,412,714		1,833,583	1,833,583
e) ID Card		45,900	45,900		30,742	30,742
f) Community Hall & Auditorium Rent		2,091,619	2,091,619		1,288,556	1,288,556
g) Hospital Stoppage						
- Cash Receipts		12,506,390	12,506,390		12,184,973	12,184,973
- Insurance Claim from TNMCHIS		67,710,330	67,710,330		-	-
h) Electrical Charges	19	94,960	94,979		111,904	111,904
i) Playground service		46,750	46,750		11,375	11,375
j) Penalty		4,984,905	4,984,905		1,001,159	1,001,159
k) Library Fee			-		973	973
l) Vehicle Charges		335,515	335,515		506,308	506,308
m) Hostel Receipts	768,000		768,000		-	-
n) Water Charges	46,048	1,177	47,225		52,348	52,348
o) Other Receipts	58,162,382		58,162,382		-	-
Prior period Income	873,105		873,105			
Donation		1,510,000	1,510,000			
p) Misc Receipts	295,449	757,551	1,053,000		36,284	36,284
Total	216,156,064	107,508,051	323,664,115	42,955,026	29,846,568	72,801,594

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 13- Grants/Subsidies (Irrevocable Grants & Subsidies Received)	Current Year 2013-2014		Previous Year 2012-2013	
1) Central Government	-	1,181,100,000	1,309,900,000	2,491,000,000
2) State Government(s)	-	-	-	-
3) Government Agencies - (Drug De Addiction) (Central Board of Health Intelligence)	-	950,000	950,000	950,000
4) Institutions/ Welfare Bodies	-	-	-	2,529,500
5) International Organizations	-	-	-	-
6) Others (Specify)	-	-	-	-
TOTAL	-	1,184,579,500	1,309,900,000	2,494,479,500

Schedule 14- Fees/Subscriptions	Current Year 2013-2014		Previous Year 2012-2013	
	Plan	Non-Plan	Plan	Non-Plan
1) Entrance Fees	-	-	-	-
2) Annual Fees/Subscriptions	-	-	-	-
3) Seminar/Program Fees	-	-	-	-
4) Consultancy Fees	-	-	-	-
5) Others (Specify)	-	-	-	-
TOTAL	-	-	-	-

NOTE – Accounting Policies towards each item are to be disclosed

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity JIPMER, PUDUCHERRY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 15- Income From Investments (Income on Invest. from Earmarked/Endowment Funds transferred to Funds)	Current Year 2013-2014		Previous Year 2012-2013	
1) Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds/Debentures	-	-	-	-
2)Dividends:				
a) On Shares	-	-	-	-
b) On Mutual Fund Securities	-	-	-	-
3) Rents	-	-	-	-
4) Others (Specify)	-	-	-	-
TOTAL	-	-	-	-
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS				

Schedule 16- Income From Royalty, Publication Etc.	Current Year 2013-2014	Previous Year 2012-2013
1) Income from Royalty	-	-
2) Income from Publications	-	-
3) Others (specify)	-	-
TOTAL	-	-

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 17- Interest Earned	Current Year 2013-2014		Previous Year 2012-2013	
	141,343,610	141,343,610	124,796,816	124,796,816
1) On Term Deposits:				
a) With Schedule Banks	141,343,610	141,343,610	124,796,816	124,796,816
b) With Non-Scheduled Banks	-	-	-	-
c) With Institutions	-	-	-	-
d) Others	-	-	-	-
2) On Savings Accounts:				
a) With Scheduled Banks	-	-	27,200,687	27,200,687
b) With Non-Scheduled Banks	-	-	-	-
c) Post Office Savings Accounts	-	-	-	-
d) Others	-	-	-	-
3. On Loans:				
a) Employees/ Staff	-	-	-	-
b) Others	-	-	-	-
4) Interest on Debtors and Other Receivables- Int Accrued	-	-	38,247,963	38,247,963
TOTAL	141,343,610	141,343,610	190,245,466	190,245,466
NOTE - Tax deducted at source to be indicated	Nil	Nil		

Schedule 18- Other Income	Current Year 2013 - 2014			Previous Year 2012 - 2013		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1) Profit on Sale/disposal of Assets:						
a) Owned assets:	-	-	-	-	-	-
b) Assets acquired out of grants, or received free of cost	-	-	-	-	-	-
2) Export Incentives realized	-	-	-	-	-	-
3) Fees for Miscellaneous Service Income	-	-	-	-	-	-
4) Miscellaneous	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity JIPMER, PUDUCHERRY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 19- Increase/(Decrease) In Stock Of Finished Goods & Work In Progress	Current Year 2013 - 2014			Previous Year 2012 - 2013		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Closing stock						
Disinfectant Store	2,008,283		2,008,283	2,327,941		2,327,941
Surgical Dressing Store	8,047,782		8,047,782	4,020,405		4,020,405
Chemical Store	526,282		526,282	598,889		598,889
Tablet Store	11,401,675		11,401,675	9,096,879		9,096,879
Injection Store	32,337,430		32,337,430	25,397,030		25,397,030
Sterilite	15,543,685		15,543,685			
Linen	11,092,122					
Total	80,957,259		80,957,259	41,441,144		41,441,144
b) Opening Stock						
Disinfectant Store	2,327,941		2,327,941	1,867,953		1,867,953
Surgical Dressing Store	4,020,405		4,020,405	2,434,291		2,434,291
Chemical Store	598,889		598,889	260,845		260,845
Tablet Store	9,096,878		9,096,878	9,501,807		9,501,807
Injection Store	25,397,030		25,397,030	16,675,354		16,675,354
Total	41,441,144		41,441,144	30,740,250		30,740,250
NET INCREASE/(DECREASE) [a-b]	39,516,115	-	39,516,115	10,700,894	-	10,700,894
Schedule 20- Establishment Expenses	Current Year 2013 - 2014			Previous Year 2012 - 2013		
a) Salaries and Wages	203,594,779	646,246,253	849,841,032	253,195,400	507,330,728	760,526,128
b) Allowances and Bonus	369,228,046	654,389,396	1,023,617,442	298,698,914	627,503,854	926,202,768
c) Contribution to Provident Fund			-			-
d) Contribution to Other Fund (NPS)	30,617,707	17,719,203	48,336,910	20,044,638	12,564,535	32,609,173
e) Staff Welfare Expenses			-			-
f) Expenses on 'Employees' retirement & Terminal Benefits	201,273	44,102,987	44,304,260	-	17,587,426	17,587,426
g) Others (specify) Salary for Contract Staff	56,580,757		56,580,757	29,754,669	-	29,754,669
TOTAL	660,222,562	1,362,457,839	2,022,680,401	601,693,621	1,164,986,543	1,766,680,164

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 21- Other Administrative Expenses Etc.	Current Year 2013 - 2014			Previous Year 2012 - 2013		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
- Office Expenses	13,629,941	6,328,303	19,958,244	7,372,773	11,834,685	19,207,458
- Supplies and Materials	430,903,111	197,117,485	628,020,596	188,261,128	168,297,896	356,559,024
- Books for SC / ST	153,901	712,772	866,673	1,081,804	182,821	1,264,625
- Information Technology	21,078,376	-	21,078,376	-	-	-
- Machinery & Equipment Expenses	1,445,931	3,007,323	4,453,254	-	-	-
- Building Maintenance - Minor Repair	97,012,322	114,763,559	211,775,881	13,827,171	49,415,389	63,242,560
- Repair & Maintenance (Motor Vehicles)	2,259,629	2,136,957	4,396,586	588,284	5,589,280	6,177,564
- Other Expenditure - Hospital Waste Management	5,128,890	-	5,128,890	3,080,091	-	3,080,091
- Professional Services	-	16,849,100	16,849,100	-	18,427,500	18,427,500
- Rent, Rates & Taxes	620,758	-	620,758	1,468,338	-	1,468,338
- Repairs & Maintenance (Plant & Machinery)	46,788,224	8,121,952	54,910,176	19,404,771	9,500,883	28,905,654
- Travel expenses	6,537,442	4,833,250	11,370,692	4,206,171	4,998,308	9,204,479
- Scholarships/ Stipend	-	6,018,164	6,018,164	-	3,967,883	3,967,883
- Electricity Expenses	76,268,841	39,248,255	115,517,096	42,327,131	23,404,353	65,731,484
- Postage , Telephone & Communication Charges	3,399,756	917,960	4,317,716	2,155,248	834,834	2,990,082
- Legal Fees	4,784,212	10,000	4,794,212	2,876,168	4,765,729	7,641,897
- Audit Fees	174,350	-	174,350	-	-	-
- Advertisement & Publicity	-	6,864,566	6,864,566	-	6,322,760	6,322,760
- Printing & Stationery	149,100	-	149,100	1,500,869	640,850	2,141,719
- Research & Activities	15,465,218	-	15,465,218	22,467,000	-	22,467,000
- Creation of Capital Asset	111,198,687	-	111,198,687	-	-	-
- Subscription & Journals	10,080,516	-	10,080,516	-	-	-
- Drugs, Consumables & Surgicals	639,427	-	639,427	-	-	-
- Repairs & Maintenance (Computer)	954,389	-	954,389	-	-	-
- Meeting Expenses	112,675	-	112,675	-	-	-

FORM OF FINANCIAL STATEMENTS (NON – PROFIT ORGANISATIONS)

Name of Entity **JIPMER, PUDUCHERRY**

SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31.03.2014

(Amount in ₹)

Schedule 21- Other Administrative Expenses Etc.	Current Year 2013 - 2014		Previous Year 2012 - 2013	
- Educational & Awareness Programme Expenses	1,584,028	53,943	1,637,971	-
- Delegation Fees	15,200		15,200	-
- Entrance Exam Expenses	1,100,000	2,810,366	3,910,366	-
- Letter of Credit - Bank Charges	516,966		516,966	-
- Bank Charges	88,535		88,535	3,152
- Provision for settlement to Dr. Chandrasekar	1,500,000		1,500,000	
- Prior Period Expenses	25,997,324	5,715,619	31,712,943	-
- Other Expenses	1,196,095		1,196,095	-
	880,783,844	415,509,574	1,296,293,418	310,616,947
				308,186,323
				618,803,270

Schedule 22- Expenditure on Grants, Subsidies Etc.	Current Year 2013 - 2014		Previous Year 2012 - 2013	
a) Grants given to Institutions/ Organizations	-		-	19,527,207
b) Subsidies given to Institutions/Organizations	-		-	
TOTAL	-		-	19,527,207

NOTE- Name of the Entities, their Activities along with the amount of Grants/Subsidies are to be disclosed

Schedule 23- Interest	Current Year 2013 - 2014		Previous Year 2012 - 2013	
a) On Fixed Loans	-		-	-
b) On Other Loans (including Bank Charges)	-		-	-
c) Others (specify)	-		-	-
TOTAL	-		-	-

**GENERAL PROVIDENT FUND (JIPMER)
GENERAL PROVIDENT FUND
BALANCE SHEET OF PROVIDENT FUND ACCOUNT AS ON 31.03.2014**

(Amount in ₹)

CORPUS FUND:			
Opening Balance	446,259,891.00		
Add :			
GPF Employees Contribution Recovered	131,698,352.00		363,520.00
GPF Advance Recovered	75,428,599.00		55,375,000.00
	653,386,842.00		
Less :			
GPF Withdrawal & Final Settlement	148,708,914.00		27,852,689.00
GPF Advance Paid	83,978,699.00		60,989,219.00
	420,699,229.00		270,161,455.00
Add:			
Excess of Income over Expenditure	4,625,161.00		10,836,408.00
CURRENT LIABILITIES:			
State Cheque		253,901.00	
	TOTAL	425,578,291.00	TOTAL
			425,578,291.00

Financial Statements

JIPMER, Puducherry

Schedules Forming Part of the Accounts for the Period Ended 31.03.2014

Schedules 25 – Significant Accounting Policies

A. Organization and nature of Activities.

Jawaharlal Institute of Postgraduate Medical Education and Research popularly known as JIPMER is an Institute of National importance and a territory care referral hospital, an autonomous body passed by an Act of Parliament on 14th July 2008 under the direct administrative control of the Ministry of Health and Family Welfare, Government of India.

The main functions of this Institute are

1. To impart quality education in Under-graduate and Post-graduate medical and paramedical courses.
2. To set trends in Medical Research and
3. To offer patient care of high order.

B. Financial Statement Presentation.

The accompanying financial statements have been prepared on accrual basis of accounting in accordance with the generally accepted accounting policies based on the guidelines contained in the Manual of Instruction of Audit of Autonomous Bodies (Non-Profit Organizations) Volume II of Comptroller and Auditor General of India.

1. AS – 1. Disclosure of Accounting Policies

The Financial Statements prepared and presented represent a true and fair view mentioned as under:

- (i) In the case of the Balance Sheet – of the state of affairs as on 31.03.2014
- (ii) In the case of Income and Expenditure Statement – of the excess or shortage of income over expenditure for the year ended 31.03.2014.

2. AS – 2 Valuation of Inventories.

The inventories appearing in the books of accounts have been valued at cost. The breakage of purchases, opening stock and closing stock in respect of inventories is reflected in schedule 11 under the head Current assets loans and advances.

3. AS – 6 Depreciation Accounting

Depreciation is provided on written down method as per the rates prescribed in the Income Tax Act 1961

Depreciation of addition to assets during the year has been changed for the year with reference to date of installation / purchase.

The Depreciation for assets charged during the year is reflected in Schedule 8 – Fixed Assets.

4. AS – 9 Revenue Receipts.

The income from sales and service is reflected in Schedule 12 – income from sales and services. Income from sales includes income from application from exam fees and income from service

includes receipts from Guest house, Hostel, Hospital stoppages License fees and water charges. The same is accounted on cash basis.

5. AS – 10 Fixed Assets

Fixed Assets have been valued and accounted based on AS 10. The same is reflected in Schedule 8. Fixed Assets.

6. AS – 11 Change in Foreign Exchange Rates

Transactions denominated in foreign currency towards purchase of assets are made at the exchange rate prevailing at the date of transaction. No exchange difference has been treated as income and expense in the income and expenditure statement towards purchase of assets.

7. AS – 12 Accounting for Government Grants:

Grant in Aid were received from Central Government for specific and non specific purpose.

During the financial year 2013-14 non-specific fund of ₹ 44647 lakh was received as Grants in Aid to run its internal administration and ₹ 9.50 lakhs for Drug de addiction, and ₹ 10.00 lakhs for CBHI and the same is reflected in Schedule 13 Grants and Subsidies. Further grants in aid is also received for specific purposes such as Regional cancer fund, GFATM College of Nursing, RAN and Specific purpose fund, Poor Fund Account, research fund and is reflected in Schedule 3 Earmarked and Endowment funds. The expenditure incurred on specific funds were adjusted against the funds on hand received during the year 2013-14.

8. AS – 13 Accounting for Investments.

The unspent Grant in aid and miscellaneous income have been deposited in Scheduled banks as reflected in Schedule 11 current assets loans and advances.

9. AS – 15 Employee benefits.

As the Institute has become an autonomous body in 2008, enmass transfer of employees as Institute employee is in progress. Hence provision for terminal benefits payable to the retiring employees could not be ascertained.

10. AS – Leases.

There is no case of 99 years leasehold.

Land measuring 4.5 hectares at Kandamangalam, Tami Nadu was received from Customs Department, Land measuring 2 acres and 87 cents at Ramanathapuram, Puducherry was received from Government of Puducherry. Both the land were received free of cost and are yet to be valued. Hence their value could not be exhibited in the Annual Accounts.

11. AS – 22 Accounting for Taxes on Income.

JIPMER being a non – profit organization is exempted from payment of income tax under section 10 (23-C) (iii) of Income Tax Act, 1961

sd-

(R. SENTHILNATHAN)
Finance & Chief Accounts Officer.
JIPMER

Schedule 26 – Notes forming part of the Accounts, JIPMER, Puducherry

1. The General Provident Fund Account (Balance Sheet) is prepared separately and the Asset and Liability in respect of Fund balance is fully transferred from Institute Account to the General Provident Fund Account for 2013-2014. The Balance Sheet of GPF is shown as an annexure. From financial year 2013-2014 the Provident Fund account is prepared separately.
2. The Gross Block and Net Block of Fixed assets will be ascertained after preparation of consolidated Fixed Asset register. The Schedule and Fixed Asset shows only net Block of previous and current year.
3. The treatment of time barred cheques as receipts is to be identified taking into account the transaction nature. As the same is voluminous the correct nature and identified and adjusted during the financial year 2013-14.

sd-

(R. SENTHILNATHAN)
Finance & Chief Accounts Officer.
JIPMER

Audit Report

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Jawaharlal Institute of Post Graduate Medical Education and Research, Puducherry for the year ended 31 March 2014

1. We have audited the attached Balance Sheet of JIPMER, Puducherry as at 31st March 2014, the Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 18 of JIPMER Act, 2008. These financial statements are the responsibility of the JIPMER's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Report / CAG's Audit Report separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

i We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.

ii The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format approved by Government of India, Ministry of Finance and adopted by the JIPMER.

iii In our opinion, proper books of accounts and other relevant records have been maintained by JIPMER, Puducherry as required under section 18 of JIPMER Act, 2008 in so far as it appears from our examination of such books.

iv We further report that:

A. Balance Sheet

A.1 Schedule 8- Fixed Assets: Rs 690.13 Crore

A.1.1. An amount of Rs. 11.16 crore pertaining to capital expenditure (purchase of books and journal, machinery & equipment and Capital Works Major) has been treated as revenue expenditure in Income & Expenditure statement resulting in understatement of Fixed Assets and over statement of Expenditure and Corpus Fund to a tune of Rs.11.16 crore.

A.1.2. Non-residential buildings and garages amounting to Rs.353.25 Crore were capitalised during the year. However, instead of adding the same to 'Non-residential buildings' head it was added to 'external services' head in fixed assets. This has resulted in understatement of non-residential buildings and overstatement of external services in fixed asset schedule to the extent of Rs.353.25 Crore

B. Income and Expenditure Statement

1. According to JIPMER Regulations 2008, a fee as specified in Sch.VII has to be charged from the candidates applying for various posts in JIPMER. Total fee collected amounting to Rs.64.49 lakh during 2013-14 for recruitment was not reflected in Income & Expenditure statement resulting in understatement of ncome and current assets to an extent of Rs.64.49 lakh.

C. General

1. The Institute had opened separate accounts for MBBS, MD/MS entrance examination fee receipts in commercial Banks and these bank accounts were not reflected in the original Income and Expenditure Statement of the Institute. Although, the discrepancy was rectified in the revised accounts, non-existence of internal control to bring all the bank accounts in the financial statements of JIPMER is brought to notice.

2. JIPMER has been maintaining sixteen bank accounts and a review of Bank Reconciliation Statements (BRS) disclosed unexplained opening balance difference of Rs.28.38 lakh, stale cheques to an amount of Rs.24.72 lakh carried forward from 2012-13 and Rs. 2.90 crore as flexi

deposit which was not accounted for in the flexi deposit appearing in the current assets which have not been explained in the BRS relating to Grant-In-Aid account. Similarly details were not furnished for the amount of Rs.97.46 lakh shown as opening balance difference in the BRS of RAN Account no 9834020000001.

3. An amount of Rs.32.13 Crore was disclosed as 'recoveries made from salaries' under other current liabilities (Sch.7) in 2012-13. An addition of Rs.1.47 Crore and deduction of Rs.68.84 Lakh was made to the opening balance and a closing balance of Rs.32.90 Crore was shown as 'salary difference adjustments' under provisions in current liabilities and Provisions (Sch.7) in 2013-14. However, it was not explained to whom the above amount was payable and the reasons for carry forward of such a huge amount under current liability.

4. An amount of Rs.81.89 Lakh has been disclosed as LC Deposit under fixed deposits in Balance Sheet from 2012-13. However, no deposit receipt or confirmation of the deposit from bank was furnished.

5. In the fixed assets schedule for the year 2012-13 net block of fixed assets of previous year was incorrectly shown as gross block of current year. Hence, in the Management letter issued along with SAR for 2012-13, it was advised to prepare Schedule-8 Fixed Assets, in accordance with the Uniform format of accounts and by adopting the valuation made by the Institute of Public Auditors during 2010-11 in respect of fixed assets. However this was not adhered to by the Institute.

6. Audit advice given in last year's management letter with regard to opening a separate bank account for Endowment funds, addition of interest earned on these funds to fund itself and deduction of related expenditure incurred from these funds were not carried out

7. Rent receivable (License fee, water charges etc.) from the staff members of CPWD and PAO who occupied 21 staff quarters for five years from 1.4.2009 to 31.3.2014 had not been accounted for in the accounts.

8. Grants received from GOI were directly credited to Corpus fund on receipt of the same. Grants required to meet the excess expenditure over internal receipts were alone transferred from Corpus fund (Sch.1) to Income & Expenditure account in accordance with the policy mentioned in the significant accounting policies of the Institute. However, the grants transferred were disclosed as a separate item in Income & Expenditure Statement instead of disclosing the same under

exclusive head called 'Grants & Subsidies' (Sch.13) available under income side of Income & Expenditure Statement in uniform format of accounts. This practice had resulted in disclosure of a NIL balance under Grants & Subsidies head though huge grants were received from Government of India. Further, unutilized portions of grants should be treated under Current Liabilities / Ear Marked Funds

The policy adopted by the Institute for accounting of Govt. grants directly to corpus fund is in violation of Uniform format of accounts and AS 12 read with GFR provisions.

D. Revision of Accounts

The accounts of the Institute were revised based on audit comments, which resulted in the following:

- a) Liabilities increased by **Rs.170.69 crore**
- b) Assets increased by **Rs.170.69 crore**
- c) Deficit decreased by **Rs. 304.50 crore**

E. Grants in aid

Out of the grant in aid of Rs.355.55 crore received during the year 2013-14 and Rs. 107.04 crore being unspent balance of the previous year totaling Rs.462.59 crore, the Institute could utilize only a sum of Rs.398.37 crore leaving a balance of Rs. 64.22 crore as unutilized grant as at 31st March 2014.

F. Management Letter


Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, Jawaharlal Institute of Post Graduate Medical Education and Research, Puducherry through a management letter for remedial/corrective action.

v) Subject to our observations in the preceding paragraphs, we report that the Balance sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report are in agreement with the books of accounts.

vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matter stated in the Annexure to the Report **do not give** a true and fair view in conformity with accounting principles generally accepted in India.

- a. In so far as it relates to the Balance Sheet, of the state of affairs of JIPMER , Puducherry as at 31 March 2014, and
- b. In so far as it relates to Income & Expenditure Account of the nil deficit/surplus for the year ended on that date.

For and on behalf of the C&AG of India


Principal Director of Audit(Central), Chennai

Place: Chennai

Date: 08.01.2015

ANNEXURE**1. Internal Audit System:**

The Internal Audit wing of JIPMER was formed during November 2012. The internal Audit section is functioning with 3 personnel but no specific directions nor assigned functions to the section for conducting Internal Audit.

2. Internal Control System:

JIPMER had not prepared any Accounting Manual of its own. However, General Financial Rules of Government of India and guidelines issued by Ministry of Health and Family Welfare, New Delhi are followed in respect of implementation of plan Schemes/Projects.

3. Physical verification of fixed assets:

The physical verification of fixed assets was not conducted for the years 2010-11 to 2012-2013 and was last conducted for the year 2009-10 only. Fixed Asset Register was not updated from April 2010 onwards.

4. Physical Verification of Inventory:

Physical verification of Inventory was not done for the year 2013-14.

5. Regularity in payment of statutory dues

Payment of Taxes (Value Added Tax) and other statutory dues are made by JIPMER in accordance with the Provision of Act/Rule.


Deputy Director/Admn.