

PHASE-I PROJECT-NOVEMBER-2013

Sr No	Department	Total Projects	No of projects	Research Topics	Budgt Sanctioned in Lakhs
1	Pharmacology	2	1	Evaluation of the impact of adjunctive therapy with omega 3 FA added to 10 mg atorvastatin and Aspirin 75 mg vs 20mg dose of Atorvastatin and 150mg dose of Aspirin in patients with mixed dyslipidemia and aspirin resistance	6.5
			2	Vitamin D Deficiency and Cardio-Metabolic Risk in Type 2 diabetes in an Indian population	
2	ObGy	5	1	CARE Congenital Anomalies Research & Education.	5.35
			2	Effectiveness of Healthy & Happy Lifestyle on Pregnancy and Childbirth	
			3	Postpartum IUCD-REVISITED	
			4	Comparative study of Squatting position vs. Supine position in second stage of Labor	
			5	Evaluation of innate immune status in woman undergoing PIH/Pre-Eclampsia	
3	CVTS	4	1	Assessment of pulmonary hemodynamics in Children with RVOT obstruction	20.1
			2	CABG in elderly patients – incidence of anti-coagulant related bleeding, re-explorations & blood conservation protocols	
			3	CABG in patients below 60 years	
			4	Valve Replacements- Profile and anti-coagulant related events influencing survival A 10 year follow up, 6 retrospectively and four prospectively.	
4	Neonatology	1	1	KANGAROO MOTHER CARE TRANSPORT Randomized controlled trial	3
5	Dermatology	6	1	Hypothalamo-Pituitary-Adrenal axis suppression in patients on long term systemic steroid	5.1
			2	The clinical association between Lichen Planus and Metabolic Syndrome	
			3	Study of genes responsible for Vitiligo (NALP 1, CTLA 4, PTPN 22, TYR gene)	
			4	Melanocyte and their abnormalities in Melasma	
			5	Knowledge and attitude of general population towards effects of sun exposure and use of sunscreens	
			6	Urticaria and angioedema quality of life questionnaire (CU-QOL & AEQOL) Cross cultural validation in Indian language	
6	Biochemistry	2	1	CHD & CVD risk assessment by Risk Engines & Its Relationship with Genetic Variation in Type II DM	9
			2	Renal and skeletal muscle involvement in malaria infection around Navi Mumbai	
7	Psychiatry	4	1	Pregnancy Brain : Truth or Myth? A study of cognitive functioning in pregnancy	0.5
			2	A Study of Depressive and Cognitive psychopathology in the Indian Elderly: A Comparative Study Between Institutionalized Versus Non-institutionalized elderly.	
			3	A study of psychiatric co-morbidity, temperament and parental handling in children with epilepsy	
			4	Personality traits in patients of tension-type headache and migraine- A comparative study	
8	Internal Medicine	5	1	Echocardiographic changes in asymptomatic diabetic patients with normal electrocardiogram	3.55
			2	Echocardiographic changes in asymptomatic diabetic patients with normal electrocardiogram	
			3	Prevalence of diabetic neuropathy at the time of diagnosis of Diabetes Mellitus	
			4	Cognitive impairment after stay in intensive care units, placebo Vs. antioxidant regimen and their outcome	
			5	Vitamin B 12 and Folic acid deficiency in clinical malaria with thrombocytopenia	
9	Orthopedics	6	1	Career choices of undergraduate medical students.	4.75
			2	Randomised controlled trials of Platelet Rich Plasma injections for epicondylitis and plantar fasciitis	
			3	C-Reactive Protein in post-operative orthopaedic patients	
			4	Low profile dorsal plating in distal radial fractures	
			5	Stem cells for the treatment of avascular necrosis	
			6	Stem cells for treatment of non-union	
			1	Hemodynamic stress response to Laryngoscopy and Endotracheal intubation: Comparative study of -Desflurane with Fentanyl versus Sevoflurane with Fentanyl.	

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10	Anesthesia	7	2	To compare the predictive value of indirect laryngoscopy,neck circumference,mentohyoid distance, Atlanto-occipital joint extension, ULBT,RH TMDfor assessing difficult laryngoscopy in obese patients undergoing general Anesthesia.	2.12
			3	Comparative study of different pre-operative oral fluids in pediatric patients on gastric volume & acidity	
			4	Prospective observer blind, Randomized parallel group, Comparative, 2-Arm Study to evaluate safety and efficacy of cisatracurium besylate versus atracurium besylate for neuromuscular blockade in adult patients undergoing diagnostic or therapeutic surgical procedures	
			5	A Randomised double blind comparative evaluation of oral premedication clonidine vs pregabalin on laryngoscopic pressor response, intra operative hemodynamics and post operative recovery	
			6	Assessing the benefits of using Human patient simulator in training anaesthesia residents for management of Cardiac Arrhythmias.	
			7	Use of simulation-based training in educating undergraduate students - a prospective analysis	
			11	Radiology	
2	Use of Ultrasound Contrast Agents in Characterizing Liver lesions				
12	Pulmonary Medicine	5	1	BIOFILMS – Role in bacterial overgrowth on spacer devices' surface	2.45
			2	Estimation of primary drug resistance using line probe assay and its impact on treatment outcomes.	
			3	Corelation of skin allergy tests,serum IgE and sputum eosinophils to asthma severity and relation with treatment response	
			4	Study of systemic inflammatory markers and their correlation with lung function in smokers	
			5	Study of sleep pattern in obese patients	
13	Pediatrics (No CAPEX)	5	1	Unmet needs in allergic rhinitis : International survey on management of Allergic Rhinitis by Physician and Patient (ISMAR 2)	1
			2	Newborn screeningfor congenital hypothyroidism and congenital adrenal hyperplasia	
			3	Registry in the Management of Acute Diarrhea in Children: Observational Study in daily practice (REMAD 2)	
			4	The relevance of 25(OH) vitamin-D in therapeutics of childhood asthma & allergic rhinitis	
			5	Study of simulation based competency in cardiopulmonary resuscitation amongst PG residents	
14	ENT	6	1	Effects of cell phones EMF radiation on auditory function of inner ear	11.075
			2	OAE Screening in high risk infants	
			3	Prevalence of fungal infections among Indian patients with chronic rhinosinusitis	
			4	The use of Mitomycin-C nasal spray to reduce synechia in middle meatus in Sinus surgery: A novel idea	
			5	Treatment Of Acute Otitis Media In An Era Of Increasing Antibiotic Resistance.	
			6	Vitamin D serum levels in Allergic Rhinitis and Potential Role of Vitamin D in improving the Effect of Fluticasone in Allergic Rhinitis.	
15	Surgery	5	1	Role of patient education in diabetic foot infections	5.4
			2	Clinical validation of 14C Urea breath test and comparative study with rapid urease testin <i>H.pylori</i> infections	
			3	Study to evaluate role of laparoscopy in chronic abdominal pain	
			4	Clinicopathological study of gastro intestinal tuberculosis and role of surgery in its management reporting to Dr D Y Patil Medical College, Nerul, Navi Mumbai	
			5	Use of Danazole in idiopathic gynecomastia in adolescent young males	
16	Pathology	2	1	Folic acid and vitamin B12 status:its relation with cervical dysplasia on pap smear	11
			2	Application of molecular method (PCR) on fresh FNAC aspirates of extrapulmonary Tuberculosis (EPTB)-it's Significance in noncaseating granuloma finding.	
17	Emergency Medicine	1	1	Inferior Vena Cava Ultrasound to assess volume status	
18	Microbiology	1	1	Microscopic Observation Drug -susceptibility assay for rapid diagnosis of tuberculosis and MDR	
19	Biotechnology	4	1	Gene association study in Type 2 Diabetes: correlation with insulin resistance and obesity	15.25
			5	Phytoremediation of textile dyes using hairy root cultures of some ornamental plants	
			3	Evaluation of Medicinal Plants for the Development of Synergistic Anticancer Combination(s)	

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			4	Devising a Microbe Based Strategy for soild waste managment of synthetic thermoplastics	
20	Dental	2	1	Airway Changes Following Surgical Correction of dentofacial-A Deformity-A Prosepative Longitudinal Study	2
			2	A comparative evaluation of novel method i.e hyaluronic acid based dermal fillers and surgical bagle's technique for the treatment of interdental papillary insufficiency in the aesthetic zone	
21	Ayurveda	1	1	Phytochemical characterization of herbs used in the treatment of ear discharge and development of silver nano-particle based formulation for effective treatment	6.1
22	Physiotherapy	5	1	Comparative study between effects of audio versus audio-visual stimulus on exercise duration in normal subjects	3.7
			2	Efficacy of Brahmi & Physiotherapy in CVA Patients with Behavioral Problems (2 years)	
			3	Prevalence of vestibular disfunction in chronic neck pain	
			4	Effect of low v/s high intensity aerobic exercise in polycystic ovary syndrome	
			5	Appropriate Body Mass Index Cut-off Point In Relation To Health Risk In The Population of Navi Mumbai (3 years)	
23	Management	5	1	Measuring the impact of sustainable competitive advantage strategies on the profitability of a firm	2.8
			2	Role Of Qualified Hospital Administrators in Small to Medium Sized Healthcare Providers	
			3	A study of key packaging-related attributes affecting the consumer preference for non-perishable commodities	
			4	Financial Inclusion through Micro finance in Rural India	
			5	The Implication of Implimenting Electronic-Human Resources Manegament (E-HRM)Systems in Company	
24	Education	1	1	A study of educational status of the students and their families residing in the tribal area	
25	PSM	3	1	A study of awareness and lifestyle related practices regarding global warming among medical students of Dr D Y Patil Medical College, Navi Mumbai	0.33
			2	A comparative study to assess quality of life and morbidity profile of elderly people in old age homes and living with their families , an urban vs rural setting	
			3	A study of factors affecting the academic perfomance of undergraduate medical students of a private medical college in Nerul, Navi Mumbai	
			91		124.325

PHASE-II RESEARCH PROJECTS- OCTOBER 14 TO TILL DATE

26	Biotechnology	7	1	Elicitation of cell cultures of <i>Barleria prionitis</i> L. and <i>Costa speciosus</i> Koen ex. Retz. For enhanced production of secondary metabolites	1.5
			2	Prevalence of mutations in KRAS and ALK genes and their association with Hsp90 expression in oral cancer patients of Indian ethnicity	4
			3	Bioinformatics based analysis of drug resistance associated with residual substitutions in human beta tubulin	1
			4	Isothermal DNA amplification assay with broad and specific primers to spot bacterial nosocomial pathogens: Case studies in UTI patients	2
			5	Development of carbon quantum dots as theranostic probes	1
			6	Association of genetic polymorphisms with Diabetic Nephropathy in Type-2 Diabetes Mellitus (T2DM) patients from the Western region of India.	0.5
			7	Salt stress induced genomic, epigenomic and antioxidant profile among <i>Cucurbit spp</i>	4
27	Education	1	1	A study of educational status of the students and their families residing in tribal area	0.4
28	Physiology	1	1	Measurement and prediction of basal metabolic rate in Indian population	Funds from IITB
29	Dermatology	8	1	Molecular profiling of families with vitiligo: an association study	
			2	Is suturing a punch biopsy REALLY required?	
			3	Molecular profiling of families with vitiligo: an association study	5
			4	The psychosocial burden of Vitiligo	
			5	Is suturing a punch biopsy REALLY required?	0.2
			6	The psychosocial burden of Vitiligo	0.2

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			7	To check the efficacy of intense pulse light (IPL) laser alone vs. IPL lase with triple combination cream in the treatment of melasma	2.5
			8	Autologous melanocytic non cell culture in Vitiligo	2
30	ENT	1	1	Role of magnifying endoscopy with narrow band imaging system (ME with NBIS) and Raman spectroscopy in management of oral leukoplakia	20
31	Ophthalmology	1	1	Comparison of outcomes of trabeculectomy with Mitomycin C vs. Ologen implant in primary glaucoma	0.8
32	Nursing	2	1	A study to assess prevalence of diarrhea in under five children of Navi Mumbai and mothers knowledge of use and effect of selected home remedies on diarrheal status of under five children	0.3
33			2	A study to assess the knowledge regarding supplementary food among mothers of infants at selected slums of Navi Mumbai	0.4
34	Dental	1	1	Reconstructive surgery of the atrophied maxilla with or without placement of implants	1.5
		22			47.3

PROJECTS PROPOSED FOR ICMR-STC PROGRAM-2016

SN	Student's Name	Name of Guide	Department	Project Title
1	Hardik sheth	Dr James Thomas	CVTS	Use of IABP for counterpulsation in pre and post operative patients of coronary artery bypass grafting vis-à-vis LVEF
2	Gulshan Thomas	Dr. Sharad Bhalekar	ENT	Co-relation of serum lipid profiles in patients with oral premalignant lesions and oral malignant lesions
3	Krutika Raskar	Dr. Amit patil	FMT	Profile of women seeking medical termination of pregnancy in western maharashtra
4	Ajinkya Bavlecha	Dr. Vinu Vij	Physiology	Correlation of autonomic nervous system dysfunction with duration and severity of TypeII diabetes mellitus
5	Shreyas Chawathey	Dr Vijaya R Badhwar	OBGY	Umbilical cord serum ionised calcium levels in full term and preterm neonates born after normal and preeclampsia pregnancies: a comparative cross-sectional analysis
6	Athul Menon	Dr. Satish More	PSM	Evaluation of knowledge and behaviour of engineering student about HIV/AIDS and providing health education
7	Arjun Mehta	Dr. Sumit Wasnik	PSM	Awareness, knowledge and practices about mosquito borne diseases of patients of tertiary care hospital in Navi Mumbai
8	Dhavalraj Kamble	Dr. Rainita Pise	PSM	Awareness of T.B. among age group 18-22 yrs
9	Keyuri Mehta	Dr. Alaka Hegde	Medicine	Lifestyle factors contributing to diabetes mellitus in young population
10	Sonali Amonkar	Dr. Sharmila Patil	Dermatology	Sensorineural hearing loss in vitiligo patients
11	Henal Shah	Dr.Archana Bhate	Medicine	prevalence and clinical profile of metabolic syndrome in Indian population visiting hospital OPDs, which are diagnosed cases of hypertension and diabetes mellitus.
12	Ankita shenoy	Dr. Anannya Mukharji	Medicine	The study of effects of electronic devices on the sleep patterns of young adults
13	Sakshi Karia	Dr. Vijaykumar Gupta	Physiology	Diastolic blood pressure in pregnancy induced hypertension: Kortkoff Phase IV versus Phase V
14	Panchami Pradeepkumar	Dr. Sudhamani	Pathology	Significance of complete blood count and C-reactive protein in the early diagnosis of neonatal sepsis
15	Mayakalyani Srivathsan	Dr. Sumedha Joshi	PSM	Knowledge and awareness of pregnant women in urban areas on breastfeeding, weaning practices and newborn care
16	Karuna Manchanda	Dr. Divya Kunal Lala	Medicine	A case series showing prevalence of Type 2 diabetes mellitus in obese patients
17	Maitreya Patil	Dr. Siddhesh Hegde	Medicine	Obesity induced insulin resistance
18	Sneha kukreja	Dr. Rajeev Godbole	CVTS	Association of diabetes and hypertension in the patients who have undergone CABG
19	Sumaiya Khatri	Dr. Govind Kubel	CVTS	Review of CABG in patients of less than 60 years of age
20	Mohitraje Mankumare	Dr. Sanjiv Kale	Psychiatry	Effect of anti-psychotics and selective serotonin reuptake inhibitors (SSRIS) on breastfed infants

21	Aashi Bhalla	Dr Vivek Nalgirkar	Physiology	Influence of tryptophan rich diet on symptoms and progression of disease in neuropsychiatric patients
22	Vruddhi Tribhuvan	Dr. Manjubhashini Sundru	PSM	An epidemiological study on cognitive impairment among urban population aged above 40 years of Navi Mumbai
23	Atulya Anand	Dr. Smita Patil	Medicine	A study of risk factors associated with essential hypertension
24	Zulekha Bhimani	Dr. Shishir Shetty	Oncology	Role of stem cell marker CD44 in oral precancer and oral cancer
25	shweta thadeshwar	Dr. Fahad Jafri	Medicine	Diet, physical activity and sedentary behaviour as risk for obesity in adolescent
26	RUPAL SIHAG	Dr. Rahul Peddawad	FMT	Identifying and establishing effective study, to identify different lip patterns by the method of cheiloscopy
27	Mudit Gupta	Dr. Pallavi Chitnis	Physiology	The association between quality of life and depression in patients with Diabetes mellitus
28	Farah Jiandani	Dr. Santwana Chandrakar	Medicine	Drug prescription pattern in patients with uncomplicated Type 2 diabetes and its economic burden in patients attending tertiary care OPD
29	Aneesha Trivedi	Dr. Deepa H Velankar	PSM	A study of depression, anxiety and stress in undergraduate medical students
30	Ashna Jagtiani	Dr. Fiona Mahapatro	Psychiatry	A comaritive study in women assessing psychiatric morbidity and neonatal outcome in normal versus cesarean section delivery
31	Shinjini Sahay	Dr. Vivek/Dr. Sadhana	Physiology	Comparision of baroreceptor efficiency between normotensives and hyperptensive in terms of 'Gain'
32	Prabha Sawant	Dr. Prashant Premchand Melmane	Medicine	Screening for dyslipidemia in Type 2 diabetes mellitus patients
33	vidya biramane	Dr. Manjusha Patankar	Pharmacology	Substance absue among college students
34	Afnan Sayed	Dr. Pramila Yadav	Pharmacology	A cross sectional survey assessing knowledge, attitude and practices regarding antibiotic resistance among second, third and final year MBBS students of a medical college in Navi Mumbai
35	Steffi Thomas	Dr. Violet Pinto	PSM	Invisible addiction: A comparative study of usage of instant messaging application and social networking sites amongst undergraduate students of an University in Navi Mumbai

36	Harjit Singh Nalwa	Dr. Merlyn W Gomes	Pharmacology	Knowledge, Attitude and Practice regarding Universal Precautions in a Tertiary Hospital in Navi Mumbai
37	Krittika Bhatia	Dr. Deepali vidhate	Biochemistry	Primary Dysmenorrhea in nulliparous females : A complex interplay of biomolecules and their association with pain
38	Geetika agrawal	Dr. Haritosh K Velankar	ENT	Incidence of sleep disordered breathing in children with adenotonsillar disease
39	Adnan Sheerazi	Dr. Nikhil Rane	General Surgery	Role of pre-operative USG neck findings with its relation to post operative histopathological examination status
40	Shaza Ahsan	Dr. Vishnu Gopal Sawant	Anatomy	Estimation of height from anthropometric measurements of upper limbs
41	Athishara Pisipati	Dr. Rajesh Rai	Pediatrics	Feeding pattern in newborn in tertiary care hospital in Navi Mumbai
42	bipasha deuri bharali	Dr. Nitin J Nadkarni	Dermatology	Study on the relation between diet and family history with acne
43	Oshin Agrawal	Dr. Ravindra S Ambardekar	General Surgery	Evaluation of Alvarados score for patients with acute appendicitis
44	Rajavi Solanki	Dr. Kiran Godse	Dermatology	Co-relation of chronic urticaria with D-dimer levels
45	Aarti Chavan	Dr. Girija Nair	Pulmonary Medicine	Study to identify the various causes of chronic obstructive pulmonary disease in patients attending a tertiary care hospital
46	rashika nigania	Dr. Aparna Ramakrishnan	Psychiatry	Sleep habit and patterns among medical students Undergraduates, interns and post-graduate residents: A clinical Study
47	Triza Shirole	Dr. Nupur Chakravarty	Ophthalmology	A study of refractive errors in school children in a semi urban population
48	Aishwarya Patil	Dr. Sanjay Pasoria	Radiology	A prospective study of ultrasonographic characterization of thyroid lesion with cytological correlation
49	Viraj Ambalam	Dr. Keshav Dada Kale	Cardiology	Thrombolysis- Streptokinase versus tenecteplase for recanalization of vessels in ST-elevation myocardial infarction, in a tertiary care setting

PROJECTS SELECTED FOR ICMR-STC PROGRAM-2016

1	Ashna Jagtiani	Dr. Fiona Mahapatro	Psychiatry	A comparative study in women assessing psychiatric morbidity and neonatal outcome in normal versus cesarean section delivery
2	Afnan Sayed	Dr. Pramila Yadav	Pharmacology	A cross sectional survey assessing knowledge, attitude and practices regarding antibiotic resistance among second, third and final year MBBS students of a medical college in Navi Mumbai
3	Krittika Bhatia	Dr. Deepali Vidhate	Biochemistry	Primary Dysmenorrhea in nulliparous females : A complex interplay of biomolecules and their association with pain
4	Geetika Agrawal	Dr. Haritosh K Velankar	ENT	Incidence of sleep disordered breathing in children with adenotonsillar disease
5	Oshin Agrawal	Dr. Ravindra S Ambardekar	General Surgery	Evaluation of Alvarados score for patients with acute appendicitis
6	rashika nigania	Dr. Swaroop Bhatankar	Psychiatry	Sleep habit and patterns among medical students Undergraduates, interns and post-graduate residents: A clinical Study
7	Triza Shirole	Dr. Nupur Chakravarty	Ophthalmology	A study of refractive errors in school children in a semi urban population

FINAL SUBMISSION OF PROJECTS FOR ICMR-STC PROGRAM-2016

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3	Geetika Agrawal	Dr. Haritosh K Velankar	ENT	Incidence of sleep disordered breathing in children with adenotonsillar disease
4	Oshin Agrawal	Dr. Ravindra S Ambardekar	General Surgery	Evaluation of Alvarados score for patients with acute appendicitis
5	rashika nigania	Dr. Swaroop Bhatankar	Psychiatry	Sleep habit and patterns among medical students Undergraduates, interns and post-graduate residents: A clinical Study
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