PART - I

EDUCATIONAL (LONG TERM)

PHYSIOLOGY

SR. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	"AI-Driven Physiology Education Suite" Introduction of AI in Physiology Curriculum AI-Powered Student Assessment AI-Driven Predictive Analytics AI-Powered Mentorship Programs Virtual Lab Simulation (UG Course)	Develop AI-focused modules integrated into existing courses, Develop AI-powered tools for student evaluation, Implement AI tools to predict student performance and identify at-risk students, Develop AI-powered mentorship platforms, Implement virtual physiology lab simulations	Enhanced student understanding of AI applications in Physiology, Personalized and accurate student assessments, Improved student success rates and reduced dropout rates,Personalized mentorship and career guidance, Hands-on experience for students with minimal resources,State-of-the-art facilities for students and researchers	50 lakhs to 80 lakhs	300sq. ft in the upcoming new academic block
2	Students Exchange programs with global universities	MOU with Universities and development of program through Academic Section	Students will gain knowledge & experience	-	Nil
3	Fellowship in Neurophysiology, Lifestyle Medicine, Autonomic Function Testing, Andrology (Post PG Course)	Establish a fellowship program in Neurophysiology	Advanced training in Neurophysiology	Stipend- 50,000 per month = 6 lakh per yr per Student	Nil
4	NPTEL Online Courses Lifestyle Medicine, AFT, Andrology, Neurophysiology, Renal Physiology	Develop and offer NPTEL courses	Enhanced reach and online education	Budget: 1 to 5 lakhs per course (one-time expense)	Nil
5	D.M Clinical and Interventional Physiology	Identify the resource faculties and departments, Define Course, Objectives & Learning Outcomes, Formulate curriculum, Get approval from higher authorities, Implement, Monitoring and Evaluation, Accreditation and certification	Trained Physiology personnel for delivering clinical physiology services to patients	Academic Fee Income during admission & Stipend - Pay of SR for 3 years	NIL

MICROBIOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	DM – infectious diseases	**After Approval:** 1. Entrance Examination through NICET-SS	1. 3 year course 2. Post MD Candidates	Level 11 (Approx 16 lakhs/ annum/ student)	No
2	DM - Virology	**After Approval:** 1. Entrance Examination through NICET-SS		Level 11 (Approx 16 lakhs/ annum/ student)	No

BIOCHEMISTRY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	To provide the nation competent doctors and other health care personnel who could understand the molecular basis of the diseases with proper interpretation of test reports	Implement and evolve both the Undergraduate and Post graduate curriculums to align with recent advances and updates in the field of medicine. Training medical students and biomedical students as 'Fellows' to enable them in a focused research area with state of art skillsets.	Start full time courses MSc MLT BSc Nutrition Fellowship programmes and certificate courses in Molecular Genetics Cell culture studies Proteomic testing Laboratory Medicine Lean-six sigma in laboratory workflow Artificial intelligence in laboratory medicine etc.	Recurring expenditure as per grade pay.	150 sq. m. (For faculty chamber and offices)

ORTHOPEDICS

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	MCh in Arthroplasty	Approval of concerned Authorities	Output of fellowship trained surgeons	Stipend of SR	NA
2	MCh in Arthroscopy			Stipend of SR	NA
3.	MCh in Pediatric Orthopedics			Stipend of SR	NA

TRAUMA & EMERGENCY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Point of care ultrasound nano fellowship program	Hybrid with online theory and one month contact program for post graduate residents and Specialists	Curriculum development Obtain Approval Advertise for the course Recruitment Start of course	Course fee of Rs 35, 000 Hostel accommodation To be provided based on existing rates	
2	Hybrid certificate course in trauma life support	Hybrid with online theory and one month contact program for post MBBS		Course fee of Rs 10, 000 Hostel accommodation To be provided based on existing rates	
3	Simulation Trainer of trainers hub for central India	Onsite training for 4 days basic and 3 days advanced course	Curriculum development MOU with Glo Sim Network Obtain Approval	Course fee Basic Rs 30,000 Advanced Rs 20,000	

PATHOLOGY

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1	**DM courses :** DM Histopathology, DM Oncopathology	Approval by Board of studies	Capacity building Resulting in excellence in patient care, Research and Education	Salaries of DM students	NIL
2	Fellowship courses Dermatopathology, Neuropathology, Pediatric Pathology, Gynecpathology, Uropathology, Head & Neck Pathology, Cytopathology, Cardio-Pulmonary, Clinical hematopathology, Gastrointestinal pathology, Flow Cytometry, Immunohistochemistry, Molecular Pathology, Molecular Hematopathology, Immunofluorescence, Transplant pathology, Digital pathology & AI	Affiliation with ICP, Recognized centers and associations, Online course curriculum designing. Board of studies approval	Will develop expertise in niche areas of pathology	A course fees is charged Salary approx. SR salary as per SFC approval.	Nil

PSYCHIATRY

Sr. No.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1	Fellowship in geriatric psychiatry	The curriculum will be submitted to the board of studies	One seat per semester	Salary of the fellow equivalent to SR for 2 students per year	Seminar room and counselling rooms: 1000 sq feet
2	Super speciality degree course (DM) in Deaddiction medicine		One seat per semester	Salary of the fellow equivalent to SR for 2 students per year	

PAEDIATRICS

Sr. No.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1	DM Pediatric Pulmonary Medicine	3yr course	Taught course with compulsory residency	Electron microscopy for primary ciliary dyskinesia BUS for bronchoscopic biopsy	

GENERAL SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Additional seats for MS Surgery program	Approval of Academic Committee	Equitable availability of training / skills for all Institutions	----	Doctor duty rooms
2	MCh Program in Breast Surgery	Curriculum designing Approval of Academic Committee Procurement of necessary equipment		Rs. 18 lakh / year	-----
3	Fellowship Program in AWR			Fee: Rs. 2 lakhs Stipend: Rs. 30,000/-	
4	Fellowship Program in Robotic Surgery			Fee: Rs. 2 lakhs Stipend: Rs. 30,000/-	

UROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Educational Courses Fellowship in Uro-oncology. Fellowship in Renal transplant surgery. Fellowship in advanced Endourology	Develop a robust curriculum that covers various aspects of Fellowship courses Offer hands-on experience and mentorship	Increase the number of trained Urologist Contribute to improved health outcomes for patients.	Stipend to the students as per Govt. rules	None

OBSTETRICS AND GYNAECOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Educational courses: Super-specialization in various sub specialties	DM/MCh in : 1.Maternal fetal Medicine, 2. Obstetrical Critical Care 3. Gynecological Oncology 4.Urogynecology 5. Minimally Invasive Gynecological surgery 6.IVF Curriculum for intensive training in various sub specialties of obstetrics and gynecology	1.Contribute to improved and specialized services in respective specialties 2.Creation of specialized faculties	As per Institutional/Govt policy	Nil

SURGICAL GASTROENTEROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	PDCC/Fellowship in Liver Transplant	Selection through Qualifying Exam. Eligibility: MCh/DNB Surgical Gastroenterology Duration: 1 year	Increase the number of trained liver transplant surgeons by providing comprehensive training in liver transplantation	Stipend to the students as per Govt. rules	None
2	PDCC/Fellowship in UGI Surgery	Selection through Qualifying Exam. Eligibility: MCh/DNB Surgical Gastroenterology Duration: 1 year	Increase the number of trained liver transplant surgeons by providing comprehensive training in management of surgical diseases of the Upper GI Tract including cancer and bariatric	Stipend to the students as per Govt. rules	None
3	PDCC/Fellowship in Colorectal Surgery	Selection through Qualifying Exam. Eligibility: MCh/DNB Surgical Gastroenterology Duration: 1 year	Increase the number of trained liver transplant surgeons by providing comprehensive training in management of surgical diseases of the colorectum	Stipend to the students as per Govt. rules	None

RADIATION ONCOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	PhD	AIIMS Entrance Exam	Post MD/MS/MSc	Fees and stipend as per AIIMS rules	Nil
2	MSc Medical Physics	AIIMS Entrance Exam	Post BSc Physics	Fees and stipend during internship18000INR/month	1000Sq Ft
3	PDCC	AIIMS Entrance Exam	Post MD(RO)	Stipend as per AIIMS rules /SR	Nil
4	Certificate course in Oncology Nursing	Value added course	Final Year BSc Nursing students	Nil	Nil
5	Medical Officers and ASHA workers training course- Early detection of Cancer	Yearly training progeam	Strengthen cancer control	10000INR/course (request Funding agencies)	Nil

NEPHROLOGY

Sr. No.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1	Post Doctoral Fellowship in Kidney Transplantation	Selection through Qualifying Exam. Eligibility: DM Nephrology/ DNB Nephrology Duration: 1 year	Provides comprehensive training in Kidney transplantation (Living and Deceased donor kidney transplantation) and related Laboratory services for Nephrologists. It will assist the transplant program and the working of the Renal and Transplant Immunology Lab of AIIMS Nagpur significantly.	Intake: 02/year, Admission fee: 50,000 per annum Pay: ₹ 18,750 + 6,600 (Grade Pay) + NPA(Non Practicing Allowance) plus other usual allowance or revised pay scale as per 7th CPC as applicable (Level – 11 of the Matrix (Pre-revised PB – 3, entry pay of the ₹ 67,700/- per month +NPA plus other usual allowance admissible under rules).	None
2	Post Doctoral Fellowship in Interventional Nephrology	Selection through Qualifying Exam. Eligibility: DM Nephrology/ DNB Nephrology Duration: 1 year	Provides comprehensive training in Nephrology interventions (Dialysis catheter(hemodialysis and peritoneal) placement, Kidney biopsies(native and graft), POCUS in Nephrology and Endovascular interventions) It will assist the Intervention Nephrology services of AIIMS Nagpur significantly.	Intake: 02/year, Admission fee: 50,000 per annum Pay: ₹ 18,750 + 6,600 (Grade Pay) + NPA(Non Practicing Allowance) plus other usual allowance or revised pay scale as per 7th CPC as applicable (Level – 11 of the Matrix (Pre-revised PB – 3, entry pay of the ₹ 67,700/- per month +NPA plus other usual allowance admissible under rules).	None
3	Pediatric Nephrology Fellowship Program	Selection through Qualifying Exam. Eligibility: [MD/DNB Pediatrics]/ [DM/DNB Nephrology] Duration: 1 year	It aims to provide comprehensive training in Pediatric Nephrology to aspiring Pediatricians and aspiring Nephrologists. It will significantly assist the current Pediatric Nephrology Services at AIIMS Nagpur.	Intake: 02/year Admission fee: 50,000 per annum Pay: ₹ 18,750 + 6,600 (Grade Pay) + NPA (Non-Practicing Allowance) plus other usual allowance or revised pay scale as per 7th CPC as applicable (Level – 11 of the Matrix (Pre-revised PB – 3, entry pay of the ₹ 67,700/- per month + NPA plus other usual allowance admissible under rules).	None

NUCLEAR MEDICINE

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1	Educational Courses a) MD in nuclear medicine b) Fellowship in therapeutic nuclear medicine. c) Fellowship in hybrid imaging	Develop a robust curriculum for MD and Fellowship courses Offer hands-on experience	Increase the number of nuclear medicine physicians Contribute to improved health outcomes in patients treated or imaged with nuclear medicine equipments.	Salary to the students as per Govt. rules	none

NEONATOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Fellowship in Neonatal Neurology	1 year program with robust curriculum	To provide experience in managing neonatal neurological conditions	Stipend to students as per Govt. rule	None
2	Point of care Ultrasonography (POCUS)-neonate certificate course	6 months online program with 1 month of hands on	Upscaling skills of practicing neonatologists in performing bedside echocardiography and USG in newborns	None	None

BURNS & PLASTICS

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	• Fellowship in cosmetic surgery • Fellowship in Rhinoplasty • Fellowship in Lymphatic surgery • Fellowship in brachial plexus surgery • Fellowship in Hand transplant surgery • Fellowship in cosmetic laser surgeries	Develop a robust curriculum that covers various aspects of Fellowship courses. Offers hands on experience and Mentorship.	Increase in number of trained Burns and plastic surgery specialists Contribute to improved healthcare outcome for Burns and plastic surgery patients	Salary to students as per govt rules.	

GENERAL MEDICINE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	DM course in Critical Care and infectious diseases	Obtain approvals, design a curriculum, hire highly experienced faculty, and set up advanced training modules	Highly specialized training for critical care specialists	₹1. crore (for infrastructure, salary and advanced training modules)	Expansion of ICU, advanced training labs, faculty offices.
2.	PG course in Geriatric Medicine and starting a separate Unit	Develop geriatric care protocols, and upgrade facilities	Enhanced patient satisfaction and quality of life for elderly patients	₹20 lakhs (for setup, and equipment) & Salary implication for the postgraduate	Separate ward, specialized equipment for elderly care

DENTISTRY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	a)Diploma in Dental Chair side Assistance.	To start in 2026 and to continue	Two Year Program	04 intake per year	-
	b) Diploma in Dental Hygiene	To start in 2026 and to continue	Two Year Program	02 intake per year	-
2	Fellowship in Micro Dentistry	To start 2026-2027	One Year Program	02 intake per year	-

CARDIOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	DM Pediatric cardiology	Candidates will be selected based on appropriate exam (INI CET)	To produce trained professional pediatric cardiologist	15 lakhs per year per candidate	Nil

ANESTHESIA

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	DM Cardiac Anaesthesia DM Emergency Anaesthesia DM Neuro Anaesthesia Fellowship in neuro anaetshesia Fellowship in Pain and Palliative Care Fellowship in Regional Anaesthesia Fellowship in Onco Anaesthesia DM Critical Care		Developing trained Anesthesiologists in various subspecialties	Salaries of Senior residents	None

NEUROSURGERY

Sr.No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational Courses • Fellowship in Neuro-oncosurgery • Fellowship in skull base surgery • Fellowship in cerebrovascular surgery • Fellowship in neuro-trauma • Fellowship in paediatric neurosurgery • Fellowship in neuro-endovascular surgery	Develop a robust curriculum that covers various aspects of Fellowship courses Offer hands-on experience and mentorship	Increase the number of trained neurosurgeons sub-specialist Contribute to improved health outcomes for neurological patients	Stipend to the students as per Govt. rules	None

TRANSFUSION MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	MD (Transfusion Medicine)	AETCOM Based Teaching Program	Implement focused training programs for residents on Transfusion Medicine	Fees and Stipends (1 Crore)	Room for Teaching Residents and Laboratory
2	PDCC (Immuno-hematology)	AETCOM Based Teaching Program	Implement focused training programs for residents and faculty on advanced immunohematology techniques. - Establish a simulation-based training module for immunohematology, enabling hands-on practice in a controlled environment, ensuring readiness for complex cases.	5 Lakhs	Room for Teaching Residents, Faculties and Laboratory

MEDICAL GASTRO

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	DM Programme Expansion	As per eligibility rules of the institute/Increase the number of residents	PG students	15 lakhs/yr/candidate	Department
2	PhD Programme	As per eligibility through institute	Basic Science Research in gastroenterology and Hepatology, Gut microbiata		Labs for Basic Research

COMMUNITY MEDICINE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Integrated MD-MPH Program	A training course to impart basic and advanced skills in Epidemiology to Post-graduate residents pursuing their MD in any field to enhance deeper understanding of Public health in addition to their clinical skills. Duration: 4 years = 3 (MD) + 1 (MPH) years	Applied/Integrative/Capstone Project similar to MD thesis but at a smaller scale (completed in 3 months duration)		

MEDICAL BIOTECHNOLOGY

Sr.No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	To start the UG and PG Courses in Medical Biotechnology	For this, we will prepare the course curriculum, syllabus, and required complete prospectus of the course. The UG and PG in Medical Biotechnology program will instruct students on the key methods and fields of study commonly found in the biotechnology industry.	launch a lucrative career in medical research and diagnostics. Its introduction will aim to provide students with the most recent advancements in this cutting-edge science, as well as knowledge and abilities.	Approx 3-5 crore is required to develop the classrooms and library including meeting room and seminar hall	Approx 6000-10000sq ft land is required to develop the departmental building including classrooms and laboratories.

ACADEMIC SECTION

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	**DM Courses in -** Cardiac Anaesthesia, Clinical Haematology, Clinical Immunology & Rheumatology, Clinical Pharmacology, Critical Care Medicine, Endocrinology, Geriatric Mental Health, Hepatology, Infectious Disease, Medical Genetics, Medical Oncology, Neuro Radiology, Interventional Radiology, Neurology, Onco-Pathology, Organ Transplant Anaesthesia & Critical Care, Paediatric and Neonatal Anaesthesia, Paediatric Hepatology, Paediatric Nephrology, Paediatric Oncology, Paediatric Cardiology, Paediatric Gastroenterology	Curriculum of the courses prepared and approved in Board of Studies and Academic Committee	To develop trained physicians and surgeons after completion of MBBS & PG.	1. Fees will be deposited by candidates. 2. Stipend to be paid as per rules	-----
2	MCH Courses in - Cardio vascular and Thoracic Surgery, Endocrine Surgery, Gynaecological Oncology, Hand Surgery, Head and Neck Surgery, Hepato Pancreato Biliary Surgery, Paediatric Cardiothoracic Vascular Surgery, Reproductive Medicine & Surgery, Thoracic Surgery, Vascular Surgery	Curriculum of the courses prepared and approved in Board of Studies and Academic Committee	To develop trained physicians and surgeons after completion of MBBS & PG.	1. Fees will be deposited by candidates. 2. Stipend to be paid as per rules	-----
3	Certificate Courses and Fellowship Courses	Approval from Academic Committee	To develop trained personnel for Clinical Work	Fees will be deposited by candidates	-----

SURGICAL ONCOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	M.Ch. Surgical Oncology – 4 seats	Central Selection	Surgeon with Butter Cancer Care	As Per Rule	---

ENT

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Mch in Head and Neck Oncology	Academic Super-speciality course	Head and Neck Surgery Unit, Clinical Trials, Tumor Board, Robotic Surgery, Endoscopic and Minimally Invasive head & Neck Surgery, Skull base surgery	10,00,00,000	2 Consultation Rooms, Robotic surgical system
2	Master in Audiology	Academic Post Graduate course	Auditory-verbal therapy for children with hearing disability	10,00,000 per year	3 consultation rooms

PMR

Sr. No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	MD in Pain and Palliative care	The course is ongoing in AIIMS New Delhi. The proposal will be submitted in collaboration with Anesthesia department through Dean academics for approval.	Requirement of Faculties with expertise in Pain and Palliative care and Pain Rehabilitation	1 Academic SR post Salary head for 3 years.	Nil

DERMATOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Certificate Course – Procedural Dermatology (3 Months)			-	

PULMONARY MEDICINE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Plan to start DM Course PhD Course	As per institute policy	PG students	Fee as per institute policy	Dedicated seminar room and Opd rooms (1 in number)

OPHTHALMOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Vitreo-Retina: MCh Vitreoretinal surgery	3 y long term medical and surgical training	The candidate becomes a vitreoretinal surgeon	Level 11 pay Scale	
	Vitreo-Retina: Medical Retina	1y medical retina training	Candidate acquires knowledge of Medical Retina	Level 11 pay Scale	
2	Ocular Oncology: Ocular Oncology training	6 months	Candidate learns to manage posterior segment Ocular tumours	Level 11 pay Scale	
	Ocular Oncology: Ocular Pathology	6 months	Candidate learns about Ocular Pathology	Level 11 pay Scale	
3	Glaucoma: Fellowship (1 yr) and certi ication courses (3-6 months)	Post-Doctoral Fellowship in Advanced Glaucoma Management: PDCC or Fellowship	Increased knowledge dissemination Global reach in glaucoma education	INR 2 Crores	
	Glaucoma: Regular CMEs/ education platforms	CMEs Offline/ Online	Cutting-edge Glaucoma Interventions		
	Glaucoma: Certificate courses (1 day to 1week)		For General ophthalmologists		

NURSING COLLEGE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	BSc Honours Nursing 100 seats	a) Dynamic curriculum with robust theoretical courses b) Eclectic teaching methods and tools c) Exhaustive clinical rotations, clinical learning activities and skill lab training d) Community outreach programmes (rural & urban), awareness programmes, family visits and support, health camps and exhibitions, school health activities e) Projects and internship f) Mentorship and extracurricular programmes for students **g) Training partnership with premier institutes** **h) Learning and student management software**	1. Competent and compassionate nursing professionals 2. Comprehensive curriculum 3. Comprehensive clinical training 4. Simulation training 5. Community outreach for health promotion and family support 6. Student support **7. Shared learning and larger perspectives** **8. Learning objectives and student progress updated real-time and always accessible**	₹ 99,90,000	Land for extension or additional building with following basic requirements 4 lecture halls with 100 seating capacity, 5-8 seminar halls of 500 sq feet 15 – 20 faculty rooms 300 sq ft, Additional rooms for storage and office, and multipurpose hall (350 seating)
2	MSc Nursing 25 seats			₹ 90,00,000	
3	Post Basic Diploma Residency program (10x10) 100 seats			₹ 1,72,80,000	
4	PhD in Nursing 25 seats			Nil	
5	2year Nurse practitioner Residency programmes in 4-5 specialties (5x5) 25 seats			₹ 90,00,000 ~ ₹ 25,00,000	
6	Value added short courses	1-2 weeks short onsite courses on current nursing/ health topics for a small fee	A centre of excellence in nursing training for the central India with refresher courses on current topics and evidence-based practices	Nil	
7	Induction training	Orientation programme for newly joined NOs emphasizing on professional practice, competence training with pre-post assessment	Motivated nursing officers ready to work in line with the mission and vision of the Institute	₹ 20,000	
8	Exchange programmes with foreign universities	Short exchange training sessions	Shared learning and larger perspectives	Nil	
9	Structured online courses MOOCs	Self-paced, interactive courses with discussion forums and certifications for a small fee	High-quality education for larger audience	Nil	

HOSPITAL ADMINISTRATION

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Establishment of a Hospital Administration Research Centre	Collaborate with national and international institutions, secure funding	Cutting-edge research in hospital administration	-	-
2	Launch of a national-level Hospital Administration conference	Organize annual events, invite experts, and present research	Increased visibility and collaboration opportunities	-	-

PART - II

RESEARCH (LONG TERM)

PHYSIOLOGY

S.No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Research in Yoga &Meditation	Polysomnography (PSG) EEG (available in department), Neuroimaging by FNIRS EEG (available in department), Neuroimaging by FMRI EEG (available in Radiology department)	Physiological changes Neurocognitive changes, Brain Activity, Effect on patients – Cancer, Chronic diseases and Neuropsychiatric diseases	Budget for Procuring PSG System is included in Equipment Section	NIL
2	Development, Validation, and Pilot Testing of Positive Psychology module for patients with high stress levels	Module development, expert validation, pilot testing for feasibility, iterative refinement	A validated and feasible Positive Psychology module designed to reduce stress in patients, ready for broader implementation	Funding will be attempted from Research Grants	NIL
3	Animal Neurophysiology Lab (Zebra fish, drosophila & Organoids study)	Research in neurodegenerative and neuropsychiatric research, Disease pathology, drug/treatment discovery, disease models	Development of animal models for neurodegenerative and neuropsychiatric conditions Identification of potential therapeutic targets Contribution to understanding disease mechanisms	Funding will be attempted from Research Grants	NIL

ANATOMY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Establishment of NIDAN KENDRA at All India Institute of Medical Sciences Nagpur and Screening of newborn and pregnant women for common genetic and metabolic disorders in District Gadchiroli, Maharashtra	DBT grant under process	Taking care of selective inherited disorders in the aspirational district of Gadchiroli and provide supportive care at AIIMS Nidan kendra.	Approx 5 cr.	Already allotted in college building.
2	Efficacy of Comprehensive Ayurvedic Treatment (CAT) as Add-On to Con-ventional Bio-Medicine in Improving the Quality of Life (QoL) in Unresec-table Stage III–IVB Head-Neck Squamous Cell Carcinoma (HNSCC) Patients: An Assessor Blind Randomized Controlled Trial, CATCH Trial	Proposal accepted by ICMR. Grants under process.	Innovative integrated approach in health care with utilization of indigenous Medicine with Modern medicine in the field of cancer therapy.	Approx 5 cr	Specified areas in Ayush Building

MICROBIOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Extramural Projects	Funding agency e.g. ICMR, DBT, DST	To increase number of basic and applied research projects	Depends on Project type and subject to approval from funding agency	No

BIOCHEMISTRY

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1	Assist the scientific community with quality research which is translated to evidence-based approach for better management of the patients Building an environment to perform creative and substantial research to advance innovative discoveries in the fields of biochemistry and health science.	Upgradation of Genetic laboratory, proteomic laboratory and advanced research laboratory 1. Confocal microscope 2. HR-Mass spectroscope 3. Protein chip SELDI system 4. Next generations gene sequencer 5. Real time cell analysis system 6. Transmission electron microscope 7. Scanning electron microscope 8. Ultramicroscope 9. Single cells analytic system	• Genetic laboratory: Carrier identification tests or screening will involve tests for individuals (or couples who want to have children) with a family history of recessive genetic disorders such as they may not have a disease but may carry the gene for it. eg. cystic fibrosis, Tay-Sachs disease, and sickle-cell trait. Prenatal diagnosis will involve genetic testing of a fetus using routine In Vitro Fertilization methods. Here the child is suspected to be at the risk of possessing genes linked to mental retardation or physical deterioration, Down Syndrome being one of the most common genetic diseases to be screened by this method. Four main diagnostic tests used in prenatal diagnosis are ultrasound, chorionic villus sampling (CVS), amniocentesis, and fetal blood sampling (cordocentesis). Newborn screening will involve screening a newborn child as a preventative health measure. Phenylketonuria and congenital hypothyroidism are conditions for which this screening is frequently used. Benefits of this screening are significant where treatment is available. Late-onset Disorders testing will includes testing for diseases that may occur in late life. Adult diseases commonly screened are cancer and heart disease. Identity testing or DNA fingerprinting involves profiling the individuals genetic information from DNA test results of genetic markers in order to locate characteristics unique to the individual. • Proteomics laboratory: Comprehensive protein identification, Analysis of affinity purified complexes, Characterizing protein post-translational modifications, De novo sequencing, Label and label-free quantitation, Multiplexed quantitation,Global phosphorylation and ubiquitin analysis,Analysis of laser-capture microdissected formalin-fixed paraffin-embedded tissue, Secretome analysis, Crosslinking analysis, Disulfide mapping, Bioinformatics Lab	35-50 Cr	500 sq. m

PATHOLOGY

S. No.	Initiative	Methodology	Deliverables	Financial implications	Land Requirement
1	Primary immunodeficiency Diseases Nerve and muscle diseases Digital pathology applications Biomedical Devices Panels for oncology MRD leukemia	Through Grant proposals / extramural/ intramural/ developing centre of excellence	Patient care Research Diagnostic panel expansion Capacity building	For consumables for cases not covered under scheme or grants as per charges decided by aiims in view of CPT charges	Expansion as per infrastructure requirements
2	Research to identify new biomarkers predicting severe phenotype in Sickle, _	As part of Sickle cell Centre of Excellence, grant proposal t	Better risk stratification of Sickle cell Disease	Through Grant	Nil
3	Identifying new therapeutic target and indigenous novel genotype for hematological malignancies	Grant proposal	Better prognostication with personalized therapy	For bigger NGS platforms – approx. 2.5 crores	Expansion of molecular lab
4	Proteomics research for nonneoplastic and neoplastic disease	Grant proposal	Early detection and diagnosis	Consumables	As per infrastructure requirement of molecular lab

FMT

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Extra Mural	Project under other funding agency.	01 project Every year	As per policy of funding agency	Nil
2	Intra Mural	Project under AIIMS, Nagpur	02 projects Every year	As per policy of AIIMS, Nagpur	Nil
3	ICMR STS	Project under ICMR	01 project Every year	As per policy of ICMR	Nil

GENERAL SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Applications of Robotic Surgery	• Formulation of specific objectives • Identification of funding agency	Evidence-based parameters for deciding treatment options	----	----

PSYCHIATRY & RADIODIAGNOSIS

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	MOUs with International / National agency. Multidisciplinary research	Meeting and conferences with other relevant disciplines	Research and possible patents	Will depend upon the type of project	-
2	Sponsorships	Through the agencies sponsoring the research projects.	Opportunities for research and innovations	Will depend upon the type of project and the sponsoring agencies	-
3	Scholarships and travel grants	Collaborations with concerned agencies providing travel grants	Learning and research opportunities for students	Will depend upon the sponsoring agencies	-
4	Extra mural and intra mural funded research projects	Application to various Extra mural funding agencies and Institute based funding department	Opportunity for research useful to society .	Will depend upon the project cost and amount funded by agencies	-

UROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Research activities in different sub-specialities of Urology	• Identify key areas of interest and need within the local context for research focus. • Design and execute research projects focused on conditions prevalent in the region. • Establish partnerships with other institutions for collaborative research efforts. • Encourage student participation through research projects, seminars, and workshops.	Generation of new knowledge on locally prevalent conditions. Increased exposure of students to research practices and methodologies.		

SURGICAL GASTROENTEROLOGY

S. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Establishment of experimental animal laboratory	Obtaining necessary license from competent authority Determining the protocols for animal experiments Establishment of experimental animal lab Recruitment of support staff, technician, veterinary doctor etc. Establishment of supporting ancillary facilities.	Promotion of experimental research Creation of new job opportunities	Establishment of lab: 1,00,00,000/ Salaries to staff as per govt. rules	2000 square -feet
2	To establish linkages with Prominent international institutions	Obtain recommendation by appropriate authority at AIIMS Nagpur. Establish linkage with International Institutions to establish Educational, Research and Training center of Excellence	Operative connections for mentorship will be established Team building and fostering various program development	Application for Mentorship programs of various surgical gastroenterology and HPB societies	None

RADIATION ONCOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication INR	Land requirement
1	Multicentric study to design the treatment protocols for Indian patients **balancing the psychosocial and financial toxicities, and return in outcome.**	Inter-institutional	Multicentric studies	10,00,000 INR (Funding request)	NIL
2	Participate in international collaborative studies.				
3	Performance studies for **indigenous radiotherapy machines through District Cancer Control Program**. (Close the care gaps- understand the barriers and resolve)	Multicentric In collaboration with local government medical colleges	**Promote indigenous technology**- (Sir APJ Abdul Kalam was a part of a team developing indigenous LA)	100 Cr	10000 Sq Ft at minimum 5 district hospitals in Phase I
4	In-vivo dosimetry		Medical physics labs	1 Cr	NIL

ORTHOPEDICS

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	MoU with centers of repute for short term visit for 3rd year residents	Memorandum of Understanding between AIIMS and concerned center for short term training	Improved training and exposure for the trainee residents	Stipend of SR	NA
2	Observership for faculties after probation at international and national centres of repute	Individual application from the faculty to the concerned institute after approval from competent authority	Exposure to better healthcare and new surgical techniques	Salary of the concerned faculty	NA

PEDIATRIC SURGERY

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1.	Establishment of experimental animal laboratory	Obtaining necessary license from competent authority Determining the protocols for animal based research Establishment of experimental animal lab Recruitment of support staff, technician, veterinary doctor etc. Establishment of supporting ancillary facilities.	Promotion of experimental research Creation of new job opportunities	Establishment of lab: 1,00,00,000/ Salaries to staff as per govt. rules	3000 square - feet
2.	Establishment of tissue engineering lab	Obtaining necessary license from competent authority Determining the protocols Establishment of tissue engineering lab Recruitment of support staff, technician, etc. Collaboration with other institutes already having such labs Establishment of supporting ancillary facilities.		Establishment of lab: 10,00,00,000/ Salaries to staff as per govt. rules	5000 square feet

OBSTETRICS AND GYNECOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Research Activities	1.Departmental Clinical research in various sub-specialties 2. Genetic and pre-implantation research for prevention of genetic disorders 3. Establish partnership with other Institutions for multi centered collaborative studies for registry and long term 4. Organize national meetings, workshops seminars and CME	Generate epidemiological and clinical evidence, contribute to scientific knowledge by publications in high impact journals and help in implementation of policies	Generate funds through extramural research proposals	Nil

NUCLEAR MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Research activities in different sub-specialities of nuclear medicine	Identify key areas of interest and need within the local context for research focus. Design and execute research projects. Establish partnerships with other institutions for collaborative research efforts. Encourage student participation through research projects, seminars, and workshops. Obtaining necessary license from competent authority for various newer nuclear medicine diagnostics agents or therapeutic medicines Establishment of supporting ancillary facilities.	Generation of new knowledge on locally prevalent conditions. Increased exposure of students to research practices and methodologies Promotion of experimental research Creation of new job opportunities	Salaries to staff as per govt. rules	

TRAUMA AND EMERGENCY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	DHR and ICMR grants for Implementation research in trauma and emergency research	Quality improvement project	Attaining key performance indicators for trauma and emergency	Through grant	Office room

NEUROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Stroke unit	Management of acute stroke patients presenting within window period who need thrombolysis/ mechanical thrombectomy	Quality care of acute stroke patients with timely and appropriate treatment and care This can prevent morbidity as well as mortality in stroke patients	The unit needs at least 4 bedded monitoring ICU with adequate residents and nursing staff on rotation duties for 24×7	ICU and changing and rest rooms for on duty doctors and nursing staff.
2.	Neuro - ICU	Neuroscience care with involvement of department of Neurology, Neuroanesthesia and critical care, neurosurgery	Comprehensive care and management of patients suffering from various Neurological and neurosurgical disorders	Dedicated center for Neurosciences which can accommodate all superspeciality branches dealing with neurocare (as in AIIMS delhi that include departments of Neurology, Neurosurgery, Neuro-anaethesia and Neuro-radiology	Superspeciality building with 2-3 floors atleast

NEPHROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Establish kidney disease Registry	Create Electronic Kidney disease Registries (Glomerular diseases, AKI, CKD, Genetic Kidney disorders, Kidney Transplant)	Facilitates collection of data and longitudinal follow up of patients with specific disease conditions	None; Develop in collaboration with other educational institutions. Application of Funding for the same.	None
2	To establish linkages with Prominent international institutions	Obtain recommendation by appropriate authority at AIIMS Nagpur. Establish linkage with International Institutions to establish Educational, Research and Training center of Excellence	Operative connections for mentorship will be established Team building and fostering various program development (Kidney Transplantation / Pediatric Nephrology / Glomerular diseases/ Interventional Nephrology/ Obstetric Nephrology / Onco Nephrology)	Application for Mentorship programs of various Nephrology societies – International Society of Nephrology, International Pediatric Nephrology Association, The Transplantation Society /Indian Society of Organ Transplantation	None

NEONATOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	To establish neonatal research and innovation lab	Establish innovation lab and with partnership with other institute will encourage students in research projects in various upcoming practices related to neonatal care	Generation of new knowledge on upcoming practices equipped with artificial intelligence and new innovation	Depends on level of advancement	1000 sq ft. approx.
2.	Neonatal Simulation research lab	Will encourage participants in research work through various simulation programs	Various simulation based research projects will help in exposure of students to research practices and methodologies	Approx. 3 cr.	1000 sq ft. approx.

BURNS & PLASTIC SURGERY & NEUROSURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Research activities in different sub-specialities	Identify key areas of interest within local context of research focus Design and execute research projects focused on conditions prevalent in the region Establish partnerships with other institutions for collaborative research efforts . Encourage student participation through research projects , seminars and workshops.	Generation of new knowledge on locally prevalent conditions Increased exposure of students to research practices and methodologies.		

TRANSFUSION MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Cellular Therapy	Integrated and Collaborative Research	*Clinical Trials:* Initiate short-term clinical trials focused on optimizing cellular therapy & molecular immunohematology laboratory.. - *Collaboration:* Foster collaborations with other AIIMS branches and national institutes to participate in multicenter studies on cellular therapy outcomes.	Intramural and Extramural Grants	Additional Laboratory
2	Molecular Immunohematology Laboratory	Integrated and Collaborative Research			

DENTISTRY

Sr.No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
01	Continuation of existing research studies	As existing	-	-	-
02	Research in Oral Precancerous condition & lesions	To be formulated	-	-	-
03	Research in Dental Caries		-	-	-
04	Research in Facial Trauma		-	-	-
05	Research in TMJ Disorders		-	-	-
06	Research in Oral Cancer		-	-	-

CARDIOLOGY

Sr.No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Cardiomyopathy registry	Systematic research methodology	To study the disease course and outcomes in patients	Nil	Nil
2.	Heart Failure Registry				

ANESTHESIOLOGY

Sr.No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Research	1. Identifying potential areas of research for faculties, residents and MBBS students pertaining to areas of local, national and international implications. 2. Identifying potential research questions in advanced technology pertaining to anaesthesia. 3. Integrated research with institutes such as NIT, IIT, IIM 4. Starting an official News Letter of the Department	Generation of new information and knowledge in the specialty. Introducing students to the research practices	--	None

MEDICAL GASTROENTEROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Intramural and Extramural Research	Funds through appropriate agencies	Faculty and PG students, PhD Students	As per Projects	None

GENERAL MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Research Collaboration with National Institutes	Identify potential research partners, apply for grants, and establish joint research programs	Increased research output and innovation in treatment protocols	₹15 lakhs (for initial setup and research grants)	Shared research labs, conference rooms

SURGICAL ONCOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Training of Primary care doctors in cancer care	Periodic Training	Reduction in cancer mortality	25 Lacs	

NURSING COLLEGE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Faculty Research **(5-8/year)**	Refresher courses Journal clubs Publication guidance	High quality research to advance nursing practice and healthcare Publications in indexed journals 20-25 per year Motivated and competent nursing researchers	Intra mural grants if applicable	
2.	Experience nursing professionals as collaborators and Co-Pis			Nil	
3.	UG group projects **(10-15/year)**	Research methodology training, Stepwise Guidance Publication guidance		Grants for UG & PG students - Nil	
4.	PG Individual Dissertations **(25/year)**				
5.	PhD projects **(25/year)**			Nil	
6.	Collaborations with other universities and research institutes	Post doc fellowship and required training			

PART - III

INFRASTRUCTURE (LONG TERM)

ANATOMY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Space for cold storage / Mortuary cooler for cadaveric lab in addition to existing room	For conducting cadaveric workshops with soft embalming	Integrated workshops with allied surgical disciplines and providing infra-structure and resource for other departments for operative planning, precision and training	For Basic civil, electrical and plumbing works as elsewhere in existing lab building.	In lab building or at suitable ear marked place as per suitability or to construct as an extension of existing space.

PHYSIOLOGY

S. No	I6nitiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Establishment of Clinical Physiology Research Unit (Infrastructure)	Allocation of requisite space in the proposed new academic building, procurement of additional equipment, and setup of several clinical physiology units for operational use.	Establishment of a dedicated Clinical Physiology Research Unit with state-of-the-art facilities, facilitating research, academic courses, and patient-care services	Financial implications are included in the section of 'equipment'	5000 Sq. ft in the proposed new academic building
2	Establishment of Animal Experimentation Laboratory (Infrastructure)	Procurement of Animal Experiment- related equipment and training for staff in operation and initiation of conduction of animal research	Getting training on animal handling for the post-graduate students and providing feasibility for animal-related research works		NIL
3	Cardiopulmonary Exercise Testing (CPEX) Unit (Equipment)	SOPs Development: Create standardized protocols for CPEX procedures. Clinical Integration: Develop referral pathways from relevant departments like Medicine, Cardiology, PMR .Research Initiation: Start research projects focused on CPEX applications.	Operational CPEX Unit with Diagnostics for cardiopulmonary conditions. Research Publications from CPEX-based studies.	Requirement: 1 Unit Total Cost: ₹ 86,35,408	NIL
4	Lower Body Negative Pressure (LBNP) Recording Unit with Tilting Table (Equipment)	SOPs Development: Develop and implement standard operating procedures for LBNP tests. Clinical Integration: Establish referral systems from cardiology, neurology, and physiology departments. Research Initiation: Launch studies on orthostatic intolerance, cardiovascular regulation, and autonomic function using LBNP.	Operational LBNP Unit with a fully equipped tilting table with Advanced Diagnostic Capabilities for conditions like orthostatic hypotension and autonomic dysfunction. Research Output focused on cardiovascular and autonomic regulation.	Requirement: 1 Unit Total Cost: ₹ 1,20,00,000	NIL
5	Applanation Tonometer Device Unit & Vascular Function Testing Device Unit (Equipment)	SOPs Development: Establish standardized protocols for non-invasive vascular assessments. Clinical Integration: Develop referral pathways from departments such as cardiology, endocrinology, and internal medicine. Research Initiation: Begin research projects on vascular health, central blood pressure, and arterial stiffness in various patient populations.	Fully Operational Vascular Function Unit equipped with state-of- the-art devices for Enhanced Diagnostic Tools used for assessing cardiovascular risk and vascular health. Research Publications on vascular function and arterial health.	Requirement: 1 Unit Total Cost: ₹ 1.26 Crore	NIL

BIOCHEMISTRY

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
	To upgrade established clinical and research laboratory to be able to comply with requirements of patientcare and recent advances. . To introduce and initialize the techniques for enabling advanced research	High throughput random access integrated clinical chemistry and CLIA based analyzer. HPLC system. Confocal microscope . HR-Mass spectroscope. Protein chip SELDI system. Next generations gene sequencer. Real time cell analysis system. Transmission electron microscope. Scanning electron microscope. Ultramicroscope. Single cells analytic system. Accreditation of clinical research laboratory through competent agencies	• Accurate reporting of routine parameters, hormones, vitamins, drugs, toxins etc within short turn around time. • Accreditation of the laboratory as per the standard guidelines. • All deliverables mentioned in B.7	2 Cr	150 sq. m.

GENERAL MEDICINE

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Expansion of Critical care beds with dedicated space for critically ill patients	Increase the number of beds, upgrade existing equipment, and recruit additional staff	Increased ICU capacity and better management of critically ill patients	₹2 Cr (for Infrastructure, beds, equipment, and staffing)	Additional ICU space, equipment storage, staff rooms
2	Launch of DM course in Critical Care and infectious diseases	Obtain approvals, design a curriculum, hire highly experienced faculty, and set up advanced training modules	Highly specialized training for critical care specialists	₹1. crore (for infrastructure, salary and advanced training modules)	Expansion of ICU, advanced training labs, faculty offices.
3	Center for Excellence for Non-Communicable Diseases and Rheumatological Diseases	Obtain funding, collaborate with research institutions, expand research and community-based activities.	Specialized treatment and research in non-communicable and rheumatological diseases	₹ 1Cr for establishment of better diagnostic facilities and additional humane m	Large research labs, outpatient clinics, state-of-the-art diagnostic tools
4	Research Collaboration with National Institutes	Identify potential research partners, apply for grants, and establish joint research programs	Increased research output and innovation in treatment protocols	₹15 lakhs (for initial setup and research grants)	Shared research labs, conference rooms
5	Clinical Toxicology Unit	Develop Clinical toxicology Unit with facility to diagnose the common poison	Will help in better management of patients and research activity	50 lakhs for equipment like gas chromatography machine and auto analyzer	Space for the lab would be required
6	PG course in Geriatric Medicine and starting a separate Unit	Develop geriatric care protocols, and upgrade facilities	Enhanced patient satisfaction and quality of life for elderly patients	₹20 lakhs (for setup, and equipment) & Salary implication for the postgraduate	Separate ward, specialized equipment for elderly care
7	Separate Space for Medicine OPD, IPD and Critical care services under one roof	-	Will help in providing comprehensive care under one roof and will help in better a	Estimate cannot be provided as it would depend on the plan as provided by engineering department	Land requirement would depend on the plan.

PATHOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Flow cytometry lab. Immunology Lab. Muscle Nerve Pathology lab. Transplant pathology lab. Molecular Lab. PCR Lab. Sequencing Lab. Routine Hematology Lab .Special Hematology Lab. Cytology Lab . Storage space for Consumables, Kits and blocks, slides to be preserved for 5v years .Clinical pathology lab. Immunohistochemistry lab. Electron Microscopy. Digital Pathology & AI	Considering Expanding Lab requirements A new Lab building with space for entire faculty and all labs on one floor is proposed . May include all Lab departments	Consolidation of services Time saving for patient and faculty Long term expansion feasible in allotted space	As per estimate of Eng Department	Approx 10,000 sft
2	AI softwares for various Image analysis .Image Analyser. Cloud space for data storage. Equipments for whole exome and whole genome sequencingNext seq or nova seq) , Lab equipped to perform multiomic studies. Digital drop PCR	Grant proposals	Patient care Research Education	5 crore if not from grant/ CSR	Yes

MICROBIOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Tissue culture lab setup	e-tender will be floated and L1 will be granted	Viral tissue culture facility will be available	20 lakhs	No
2	BSL 4 laboratory	e-tender will be floated and L1 will be granted	Outbreak preparedness for Biohazard Group IV organisms detection	10 crores	Approximately 5000 sq.ft

PHARMACOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Clinical Pharmacology unit	Establishment of ward (5 Bed) Procurement of necessary infrastructure Manpower recruitment SOP preparation	Undertake Phase I clinical trials/BA/BE studies	2 crores	1500 sq. ft
2	Pharmacogenomic center	Establishment of laboratory Procurement of necessary infrastructure Manpower recruitment SOP preparation	Personalized treatment or precision medicine for patient care	4 crores	1000 sq. ft

TRANSFUSION MEDICINE AND BLOOD CENTER

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Cellular Therapy Center	Various Equipments	Advanced Management for Various Hematological Disorders including Gene Theraphy	25 Crores	Additional Laboratory space required
2	Molecular Immunohematology Laboratory	Various Equipments	Advanced Testing for Blood Group, Platelet antigens and Neutrophil	15 Crores	Additional Laboratory space required

GENERAL SURGERY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Cadaveric Lab		• Training • Research	Rs. 1 crore	Total space: around 2000 sq. feet
2	Surgery Museum			Rs. 50 lakhs	Total space: around 1000 sq. feet
3	Minimally Invasive Surgery Training Centre			Rs. 1 crore	Total space: around 2000 sq. feet
4	Additional beds (Total: 180)				

COMMUNITY MEDICINE

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1.	Expansion of Services at RHTC Bela	Residential posting for interns at Bela RHTC with provision of accommodation and food arrangements – 1 Hostel and academic building of three floors with Ground floor - capacity of stay for 15 interns, 5 residents, 4 senior residents with a dining area. Permission for land from State Government. First floor to be used for conference and meetings. Floor space=330 m2 and Built area = 660 m2 Faculty Quarters for stay of 2 faculty - Floor space=150 m2 and Built area = 150 m2 each	In-patient services for short-term (2-3 days) in-patient care Emergency care for common emergencies	**Approximately 25 crores**	Land to be sanctioned adjacent to the Bela RHC by the state Government to construct the hostels, academic building and quarters

FORENSIC MEDICINE & TOXICOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	DNA Analysis Equipment related to DNA Analysis	Proposed purchased through GFR	Required for DNA Analysis	Approximately 3 Cr.	Included in extended Mortuary Complex

OBSTETRICS AND GYNECOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	1.Teaching and training aids: a. Simulation Lab for Under-graduate students, paramedical trainees : Birth simulations, IUD insertion b. Simulation Lab for postgraduates: Laparoscopy, hysteroscopy, Ultrasonography, IVF techniques	Procurement	Enhanced training, especially for specialized services	30 crores	Nil
2	b. Increase the existing beds and services for maternal and reproductive care: Requirement of infrastructure, with state of the art facilities and equipments along with faculty and non-faculty	Procurement	Catering to the increasing demand for high end facility with growing population and their need for an affordable and quality public health care	300 cr.	Maternal and child care Centre (120 beds and the necessary facilities)

PEDIATRICS

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Advance Pediatric Centre (About 300 bedded)	Establishing a multispeciality high quality , state of the art specialized pediatric centre	1.Pediatric subspecialities under one roof – Pediatric Emergency and PICU, Pediatric Neurology, Pediatric Pulmonology, Pediatric Hematology, Pediatric Oncology, Pediatric Rheumatology and Immunology, Pediatric Endocrinology, Pediatric Gastroenterology, Pediatric Cardiology , Neonatology , Pediatric Orthopaedics, Child Psychology, Clinical genetics		Approx 40,000 sq feet (approx. 1 acre)
2	Long-term ventilation (LTV) Unit	Aim to provide- Training to nursing staff and chest physiotherapists in providing specialised care to children requiring assisted ventilation devices in their homes	Home ventilation services and paramedic support in collaboration with dept of PMR	Aim to provide home ventilators and trouble shooting solutions for technology dependant patients in collaboration of the industry (Respmed/Phillips/lowenstein etc)	
3	Center of Excellence - District Early Intervention Clinic (COE-DEIC)	COE-DEIC & Training Centre as a Model DEIC for others and is having state-of-art infrastructure facilities, equipped with specialized and trained human resources with standardized treatment, diagnosis and referral protocols to ensure delivery of child friendly services.	This centre would be responsible for training other DEIC team for ensuring the standardized protocols of treatment and upgrading the skills	Financial support from MoHFW & NHM is provided for the infrastructure and manpower	4900-5000 sq. feet approximately
4	Upgradation to Pediatric neurology department	Separate divisions of pediatric neurology like pediatric neuromuscular, neurometabolic, epilepsy etc	For diagnosis, management, research and teaching in the field of Pediatric neurology		

ANESTHESIOLOGY & CRITICAL CARE

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	HDU		A step down set up for critical patients	Cost of staff salaries and equipment (	None
2	Thromboelastgraph		Enhanced patient safety	Rs. 25,00,000/-	None
3	Near Infra-Red Spectroscopy monitor		Better patient outcomes	Rs. 10,00,000/-	None

BURNS AND PLASTIC SURGERY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Infrastructure and equipment	Upgrade existing equipments with state of art equipments such as ,High end microscopes ,zeisss and MITAKA ,,Endoscopic plastic surgeryinstruments,Rhinoplasty surgery instruments ,Cleft lip and palate instruments , Ear reconstruction surgery instruments , Microsurgery and supermicrosurgery instruments ,Audible and color doppler machines ,c arm machine Power assisted liposuction machines, RF and fractional CO2 lasers For scar treatment , PDL lasers for vascular malformations , Fine burns and plastic surgery instruments , Fine cautery machines, Skin graft harvesting electric dermatomes and meshers , mik micrografting machines. Hyperbaric oxygen therapy	Delivering world class health care facilities to the Burns and plastic surgery patients of central India . Reduced morbidity and mortality following surgical procedures. Enhanced learning opportunities for medical and paramedical staffs.	Instruments apporox 10 crores Infrastructure separate	• Special Burns and Plastic surgery superspeciality 5 story building with state of art facilities. • State of art Burn surgery center on separate land. Separate 3 story building with skin bank. • Land requirement is 10 acres approx.

CARDIOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1.	Impella/Ventricular assist Devices	Through GeM or e-tender	Better patient outcomes	1.2 crore	nil

DENTISTRY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Center for Oral Health and Research (COHR)	Separate building consisting of all subspecialties of Dentistry	2029-30	50 Cr	5000 Sq.Mtr. (G+4 Floor)
2	Equipment's and instruments , Dental Laboratory including costing and facility , Dental Museum , Digital Dentistry Clinic, Tobacco Cessation Center , Dental Research Unit, Dental Store, Geriatric Clinic , Pediatric Clinic, Orthodontics Clinic Restorative and Regeneration Clinic , Minor OT's, Implant Clinic	As per the final plan of Center for Oral Health and research.		60.9 cr	

ENDOCRINOLOGY AND METABOLISM

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Specialty Endocrine Lab	-----	Lab equipment, Lab technician and One MSc Biochemistry non faculty	1.5 crore	A room for starting the lab.

ENT

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Vestibular Laboratory		Teaching and patient care	1 Crore	Civil Infrastructure (500 SqFt) and equipment
2	Speech and swallowing Laboratory		Teaching and patient care	50 lakhs	Civil Infrastructure (500 SqFt) and equipment

MEDICAL BIOTECHNOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	research facility and laboratories	Basic and Translational Research on various human diseases with a focus on genomics, proteomics, metabolomics, bioinformatics, regenerative medicine, drug discovery, and molecular diagnostics	improve diagnosis, treatment, and management of various diseases, ultimately enhancing patient outcomes and quality of life. through Advanced Diagnostics, Biopharmaceuticals, Gene Therapy, Regenerative Medicine, Vaccines and Immunotherapies, Drug Development and Screening,	Approx 10 crore	Approx 6000-10000sq

HOSPITAL ADMINISTRATION

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Department proposes to be Nodal agency for NABH and Kayakalp excellence providing consultancy services to state of Maharashtra or institutions under MOHFW	Continuous quality improvement initiatives, regular audits	Recognition as a leader in healthcare administration	-	-

MEDICAL GASTROENTEROLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1.	Manometry	Procurement through GeM	Diagnostic GI motility Services	30 lakhs	Endoscopy Room
2.	Third space Endoscopy (POEM, ESD)	Procurement through GeM	Advanced Therapeutic Endoscopy Services	1 Crore	Endoscopy Room
3.	Enteroscopy	Procurement through GeM	Advanced diagnostic, therapeutic small intestinal endoscopy services	1 Crore	Endoscopy Room
4.	Preventive gastroenterology, Hepatology programme	OPD/Endoscopy services	Screening for hepatic and GI malignancy	None	OPD and Endoscopy Room

PULMONARY MEDICINE

S. No	Methodology	Deliverables	Deliverables	Approx. Financial Implication	Land Requirement
1	Plan to acquire rigid bronchoscope and rigid thoracoscope	Through HITES/GeM	Advanced therapeutic bronchoscopy and pleuroscopy	1Cr	Dedicated OT and bronchoscopy suit (1 in number)
2	Start dedicated Respiratory ICU for critically ill patient Initiate Lung transplant program	After approval from ED sir and accredited agencies	Better care for respiratory emergencies and end stage lung disease patients	Cost of ventilator and ancillary equipment ~5Cr	Dedicated 4 bed ICU and counselling room preferably beside medical or surgical ICU

NEONATOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	MCH (Mother & child) wing with, 40 bedded Inborn NICU,20 Bedded Outborn NICU,5 bedded M-NICU,5 bedded surgical NICU ,5 Family centered care rooms	center of excellence NICU under Mother and child wing with advanced neonatal cardiac, neuro and peds surgeries	To offer level 4 intensive neonatal care (highest level) and to create a center of excellence for neonatology	Building costs as per norms Approx 25 crore	50000 sq ft approx.
2.	To establish Zonal Level Reference Centre for Comprehensive lactation Management center	Upgrade CLMC to Zonal level reference center by providing a standardized certified training program for lactation management training	To provide certified training program which facilitates skill development and training for lactation counselor and consultant	Approx. 1 cr	500 square meters
3.	To establish Neonatal transport system	By establishing advanced ambulance system and trained transport team for transporting sick neonates on advanced life supports	To provide safe advanced transport facilities for sick neonates as well as establish a transport network between regional levels of NICUs with AIIMS Nagpur NICU	70 lakhs approx.	None
4.	Neonatal simulation and research lab	To create a simulation lab for all neonatal skills and simulation research	To expose residents and nursing officers to entire range of neonatal skills and to enhance research in simulation	3 crores approx. (as mentioned in table 2)	1000 sq ft. approx.

PSYCHIATRY

S. No	Methodology	Deliverables	Deliverables	Approx. Financial Implication	Land Requirement
1.	Deep repeated transcranial magnetic stimulation	Will be procured through GeM	Treatment for a variety of psychiatric illnesses and research	150 lacs INR	Treatment room: 300 sq ft
1.	Dedicated deaddiction ward: 12 beds	Proposed in the new plan. Can be accommodated in psychiatry ward or separate 12-bed area with day care, counselling and group therapy room	Sophisticated and individualised management with optimally trained nursing and paramedical staff	10 lacs INR	5000 sq feet

NEUROSURGERY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Establishment of NEURO-CATH LAB	Obtaining necessary license from competent authority Determining the protocols for endovascular treatment Establishment of Bi-planer DSA Cath lab Recruitment of support staff, Nursing officers, technician, RSO, MTS , receptionist, ward boy, house-keeping staff etc. Establishment of supporting ancillary facilities.	Starting Endovascular treatment for neuro-patients Creation of dual trained neurosurgeon.	Establishment of lab: 15,00,00,000/ Salaries to staff as per govt. rules	5000 square - feet
2	Establishment of Neurosurgical Skill/ cadaver Labs	Obtaining necessary license from competent authority. Establishment of various table mounted microscopes. Training of residents and faculty on cadavers under microscope. Conducting workshops / hands –on training sessions .Recruitment of support staff, technician, etc.Collaboration with other institutes already having such labs Establishment of supporting ancillary facilities.	Promotion of hands –on training / skill development training Creation of newer microsurgical techniques	Establishment of lab: 10,00,00,000/ Salaries to staff as per govt. rules	5000 square feet

NEUROLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1.	Stroke unit	Management of acute stroke patients presenting within window period who need thrombolysis/ mechanical thrombectomy	Quality care of acute stroke patients with timely and appropriate treatment and care This can prevent morbidity as well as mortality in stroke patients	The unit needs at least 4 bedded monitoring ICU with adequate residents and nursing staff on rotation duties for 24×7	ICU and changing and rest rooms for on duty doctors and nursing staff.
2.	Neuro - ICU	Neuroscience care with involvement of department of Neurology, Neuroanesthesia and critical care, neurosurgery	Comprehensive care and management of patients suffering from various Neurological and neurosurgical disorders	Dedicated center for Neurosciences which can accommodate all superspeciality branches dealing with neurocare (as in AIIMS delhi that include departments of Neurology, Neurosurgery, Neuro-anaethesia and Neuro-radiology	Superspeciality building with 2-3 floors atleast

SURGICAL ONCOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Separate Cancer Block -1	---	More Number of Cancer Patients can be Treated	As Per Rule	---
2	Male Ward - 1	---			---
3	Female Ward - 1	---			---
4	ICU Ward with Ventilator - 1	---			---
5	Separate OT Complex	---			---

PHYSICAL MEDICINE AND REHABILITATION

S. No	Methodology	Deliverables	Deliverables	Approx. Financial Implication	Land Requirement
1	Rehabilitation Center with Vocation and Recreational training center for Divyangjan	A dedicated ward for Divyang patients requiring rehabilitation with Therapy hall/ Recreation and Vocational training center. Vocational and recreational training is an integral part of Rehabilitation for reintegrating Divyangjan back to society	30 bed ward, ADLs Suite, Computer lab, Urodynamic Lab, Gait lab, Vocational Trainer and special educator	1 crore for infrastructure development	10000 Sq Feet required for establishment of Rehabilitation Center for Divyangjan with Inpatient facility for diagnosis and training
2	Urodynamic system	Evaluation of Neurogenic Bladder. Procurement through GeM	Dedicated Room with Urinal	60 lakh	
3	EMG/ NCV equipment	Evaluation of Various Musculoskeletal and neurological conditions	Dedicated Room	30 lakh	
4	Gait and Motion analysis Lab	Evaluation of various gait parameters and Research purpose	Dedicated Room	5 crore	

ORTHOPAEDICS

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1.	Institute of Orthopaedics	Establishment of Institute of Orthopaedics as a centre of excellence providing comprehensive care with sub-specialty departments. A separate building consisting of OPD complex, 6 wards with 30 beds each, OT complex with 4 OT rooms, 1 minor OT and comprehensive rehab facility under PMR.	Great enhancement of patient services. Centre of excellence providing specialized services to the patient. New sub specialty courses. Would generate huge potential for research	Rs. 50 Cr	Area of 10000 sq ft. with building G+ 4
2	Bone Bank	Establishment of bone retrieval and processing unit	Availability of autograft- Bone for various complex orthopaedics surgeries.	60Lac	2000 Sq. feet floor space
3	Procurement of equipment- Intra operative neuro-monitoring 32 channel with SSEP and MEP monitoring, Tubular retractor system with light source for spine surgery, Transforaminal endoscopic spine surgery system with instruments Instrument set for pelvis surgery, Instrument set for revision THR, 'O'-arm system, Computer navigation system for joint replacement surgery.	Procurement through GeM	Better patient care	4.25 cr	Nil N

OPHTHALMOLOGY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Green Laser-2 in no	Procurement through GeM Custom Bid	All types of Retinal Lasersfor Diabetic retinopathy, BRVO, CRVO, Retinopathy of Prematurity	Rs. 85,00,000 (File in Process)	Separate Laser room for posterior segment lasers
2	Vitrectomy machines for clean OT (2)	For Clean OT	All types of Surgical retina cases catered		A dedicated Clean VR OT with 2 rooms
3	Endoscopic Vitrectomy (2)	1 For Clean OT and 1 for infective	To perform Retina surgeries in patients with a bad cornea		One in infective and one in clean OT
4	Vitrectomy Machine for Infective OT Procurement through GeM C	Procurement through GeM Custom Bid	Vitrectomy for infective and trauma cases	Rs. 95,00,000 (File in Process)	A dedicated Infective VR OT
5	Separate Retina floor for OPD in a separate building for ophtha	Ophthalmology Building	All cases of Retina will be catered to in a single floor, in a more organized manner	Wide spectra	Available in campus (Already approved space for Ophthalmology)
6	High-end Microscope 3(one with heads up surgery)	Procurement through GeM Custom Bid	To perform posterior segment vitreoretinal surgeries with intraoperative monitoring with optic coherence tomography. As a teaching tool for the MCh Vitreoretina student	Rs. 4.5 lac X 3	In the separate Building for ophthal on a separate floor
7	Retcam-2	Procurement through GeM Custom Bid (to be bought through the Neonatology department)		Rs. 850000/- X2	Separate dedicated Anaesthetist in Paed equipped OT/ mini-OT
8	Portable Green laser X2	Procurement through GeM Custom Bid	To perform ROP lasers anywhere, where neonatal resuscitation facilities are available such as NICU's. Making outreach to periphery possible	Rs. 3500000X 2	
9	LASIK and Refractive suite with Femto LASER	i. Refractive suit for correction of refractive error, ii. For donor graft preparation for corneal transplant iii. Along with Laser assisted Advanced cataract surgery			
10	Procuremen t of AIdriven diagnostic tools, OCT-A, and creation of a dedicated surgical suite	1. Enhanced diagnostic and surgical precision, improved patient outcomes. 2. High End Microscope for pediatric cataract surgery &Instrument Set for cataract & squint surgery 3. IOL master additional	Early Glaucoma Detection • Angle-Based Surgeries	INR 20 Crores	2000 sq. ft

PEDIATRIC SURGERY

S. No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Establishment of experimental animal laboratory	Obtaining necessary license from competent authority Determining the protocols for animal based research Establishment of experimental animal lab Recruitment of support staff, technician, veterinary doctor etc. Establishment of supporting ancillary facilities.	Promotion of experimental research Creation of new job opportunities	Establishment of lab: 1,00,00,000/ Salaries to staff as per govt. rules	3000 square - feet
2	Establishment of tissue engineering lab	Obtaining necessary license from competent authority Determining the protocols Establishment of tissue engineering lab Recruitment of support staff, technician, etc. Collaboration with other institutes already having such labs Establishment of supporting ancillary facilities.	Promotion of experimental research Creation of new job opportunities	Establishment of lab: 10,00,00,000/ Salaries to staff as per govt. rules	5000 square feet
3	Patient care services: Development of pediatric surgical sub-specialties	Further categorization and development of pediatric surgical sub-specialties as follow: 10 bedded Pediatric Urology Unit 10 beded Pediatric Hepato-billiary and Gastro-intestinal Unit 10-bedded Day care surgery unit 5- bedded Pediatric Oncology and vascular malformation Unit 5-bedded upper airway-esophageal disorder unit 5- bedded thoracic disease unit 5-bedded hydrocephalus-spina bifida unit 8-bedded surgical NICU 4-bedded surgical PICU	Focused development of sub-specialties Specialized patient care resulting in improved outcome Increased scope for research activities Increased learning opportunities for students	Rs.15,00,00,000/-	As for 50 general ward beds, and 12 ICU beds
4	Pediatric solid organ transplant services	Setting up of Pediatric transplant operation theaters and ICUs. Procurement of equipment.Facilitate necessary skill development for faculty and students.. Provide comprehensive training for paramedical staff and recruit new staff as needed	Advanced level of care,Pediatric patients will benefited by Kidney, liver, intestinal transplant services,Referral to far away higher centers will be avoided with antecedent benefits to patients and their parents,Referrals from other centers as pediatric transplant services are available at very few centers., Fellowship programs in pediatric transplant Opportunities for research	Rs 5,00,00,000/-	-
5	Fetal intervention therapy facility	Procurement of instruments and equipment Facilitate necessary skill development for faculty	• Advanced level of care • Referral to far away higher centers will be avoided with antecedent benefits to parents • Referrals from other centers • Fellowship programs • Opportunities for research	Rs. 1,00,00,000/-	

RADIATION ONCOLOGY

S. No	Methodology	Deliverables	Deliverables	Approx. Financial Implication	Land Requirement
1	COMPREHENSIVE CANCER CARE CENTER	With the help of government agencies	To provide focused cancer care	180 Cr	18000 Sq Ft
2	USG MACHINE FOR BRACHYTHERAPY		Better tumor localization	2500000 INR	NIL
3	BRACHYTHERAPY APPLICATORS		To strengthen brachytherapy services	2 Cr	NIL
4	IN-VIVO DOSIMETRY INSTRUMENTS	To develop radiation physics lab and education	MD/ MSc/ BSc RTT students	2 Cr	4 office rooms
5	MRI-LINAC	CSR funds	Better treatment delivery	40 Cr	4000 Sq Ft
6	Intra operative radiotherapy	CSR funds/ other grants	Focused radiotherapy	10 Cr	NIL

RADIODIAGNOSIS

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Superspeciality Radiology services to cater the need of increased population	Construction of new building, Procurement of high end equipments through tendering process	Poor and needy patient will get timely superspeciality services.	Will depend upon the type and area of construction and equipment cost	35,000- 40,000 Sq. ft. on ground floor
2	Robotic biopsies	Procurement through tendering	Accurate and rapid biopsies with minimal complications	Will depend upon cost of equipments	-
3	Simulators for virtual learning practices	Procurement through tendering	Virtual experience for students and trainee before doing procedures on patients.	Will depend upon cost of equipments	-

UROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Patient care services: Development of Urology sub-specialties	Further categorization and development of dedicated urology ward.	Focused development of sub-specialties Specialized patient care resulting in improved outcome Increased scope for research activities Increased learning opportunities for students	Rs.15,00,00,000/-	For 50-bedded IPD

SURGICAL GASTROENTEROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Establish advanced gastroenterology center	Create a **center of Excellence** in gastroenterology Separate Male and Female wards (25 beds general ward including isolation and 5 beds in special ward each for male and female) Surgical Gastroenterology ICU (10 beds) Surgical Gastroenterology HDU Intervention suite	• Dedidated comprehensive care in gastroenterology and establish a regional center of excellenc	Approx 30-40 crores	Part of Super specialty block of AIIMS Nagpur
2	Establish Liver, Pancreas and Intestinal Transplant Center	Create a **center of Excellence** in Liver, Pancreas and Intestinal Transplantation Separate Male and Female wards (15 beds general ward including isolation and 5 beds in special ward each for male and female) Transplant ICU (20 beds) Intervention suite , Dialysis unit	• Dedicated comprehensive transplant care establishing a regional center of excellence • Start Pancreas and Intestinal transplant in Central India	Approx 30-40 crores	Part of Super specialty block of AIIMS Nagpur / Separate block considering increasing disease burden

LEARNING RESOURCES CENTER

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	New Library Building	5 Floor Independent Building	Reading area facility along with library sections and book stack, computer center etc. (Central Library)	--	Beside the Academic Block
2	Installation of KOHA Software (one-time process)	We are depending on vendors now. AMC will be saved.	1. If institute will have own installation, we will not depend on vendor. 2. AMC charges will be saved.	Approx. Rupees 4 Lakh	N/A
3	Server room	RFID Server, KOHA Server, D-Space Server	Maintenance of databases like; KOHA, D-Space and RFID	N/A	N/A
4	Web OPAC	10 Computers	For searching of library catalogue computers will be installed near to circulation section.	N/A	N/A
5	Subscription of various Databases	Online Databases are required for the various department	Online databases are useful for the research and academic growth of the Institution.	Approx. Rupees 2 Cr./ per year	N/A
6	AIIMS Consortia for common databases	Online databases	It would save the money for all the group AIIMS	--	N/A
7	Computers	To increase the capacity of computer center	Use of Online databases, digital library, project work, thesis work, research work and other research and academics related work.	Approx. Rupees 50 Lakh	N/A
8	RFID Equipment's & accessories	Enhance the RFID services	Presently LRC have 01 RFID reader, 02 more is required.	Approx. Rupees 5 Lakh	N/A
9	Attendance Machine	User/Visitor Entry will be recorded digitally	All the visitors will be registered digitally while visiting the library, and LRC Committee can get the data of our all users/visitors.	Approx. Rupees 50,000/-	N/A

TRAUMA AND EMERGENCY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Pre-hospital care services including adult and neonatal capable ambulances	Tender to be floated for Advance care ambulance. Equipment required as per national guidelines to be bought.. SOP for utilization of the said service to be established	No of calls answered. No of interhospital transfer . No of patients shifted from Scene	Salary for 4 drivers. Cost of buying 2 Ambulance . Vehicle related expences . Total 1 crore	Prehospital Communication control room. Ambulance bay
2	Decontamination area and Disaster Area	Near Emergency outside the building an area to be designated as decontamination area which should have a separate drainage system Disaster area to have central connection of medical gases SOP for initiation of disaster response to be created and implemented	Utilization of these resources White box consumables list and there routine check	Cost of Infrastructure based on the tender floated Rs 25 lakhs	Additional area of land to be ear marked for safe discharge of effluent from decontamination area
3	Emergency Trauma and critical care block	To start emergenct cririca care and operative services through PM ABHIM yojana	No of ICU beds created No of Isolation Beds created No of Emergency beds Created	PM Abhim Yojana	Require 1 acre of land
4	Designated Trauma care ICU	Criticare area ear marked for critically ill trauma patients managed exclusively by Trauma Surgery	Bed occupancy Mortality rate	Cost of Infrastructure 50 lakhs Cost of equipment 3 crore	Designated floor of land for making ICU
5	Advanced cardiac arrest resuscitation unit	State of the art cardiac arrest resuscitation unit with advanced post cardiac arrest care Prehospital guided arrest management	Mortality rate Utilization rate Organ transplantation rates	Cost of Infrastructure 50 lakhs. Cost of equipment 3 crore	
6	Hybrid Operation Theatre (2)	Space for Interventional radiology and operative management in one room	Utilization rate	Cost of Infrastructure 50 lakhs Cost of equipment 50 crore	
7	Point of care testing Lab	Bedside testing is the norm for decreasing the throughput to prevent over crowding in emergency	Utilization rate Down time	Cost of equipment 50 lakhs Recurring cost of consumables 5 lakh per year	

ACADEMIC SECTION

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Academic Block	Approval from Ministry for G+12 Block housing Academic Section, Exam Section, Student Welfare, Research & Ethics, Skills Lab, Exam Hall, Convention Halls, Medical Education	Space and ambient working environment	Civil Department	Land of area15940.80 sqm behind Auditorium Hall

RESEARCH CELL

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Inter-disciplinary Research unit	Dedicated space for discussions to facilitate collaborative interdepartmental research.. We will identify key experts in each department, foster collaborative networks, and define shared goals. We will develop a flexible organizational structure to integrate diverse methodologies, ensure regular communication, and create a supportive environment for cross-disciplinary innovation. . Regular evaluation of progress will be done and strategies will be adapted as needed.	Number of collaborative research projects completed		
2	Dedicated floor for research secretariat (requirements)	Dean (Research Office). Office of the PA for dean research. Presentation hall Accounts officer desk. UGRMC desk . PGRMC desk. FRMC desk			Dedicated floor

SKILL LAB

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	New space for advanced skill lab	Map will be prepared & approved from ministry	Specious	90 Cr	4000 Sq. Feet in new Academic block
2	Procurement of high-fidelity simulator	Through custom bid on GeM	Advanced skill imparted to students & faculty in various subject. Course of training outside students & faculty	50 Cr. Fees will be collected for courses	-

STUDENT WELFARE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Indoor Sports Complex	Site identification. Blueprint Budget approval. Tender process	Enhancement of recreation facilities	Rs. 5 crores	4 acres 9behind guest house)
2	Satellite-based movie screening	Contract with movie rights companies	Promotion of cultural values, personality development	Rs. 6 lakhs	-----
3	Dance Studio	As per GFR	Enhancement of recreation facilities	Rs. 15 lakhs	1000 sq. feet
4	Arts Festival	Competitions. Live art. Exhibitions	Enhancement of creative talent amongst students. National level events	Rs. 2 lakhs / year	-------

ENGINEERING DEPARTMENT

Sr. No	oType of Civil Infrastructure Required in next 10 years	Year in which it will be required	Details of the Civil Infrastructure (e.g. Number of Flats /Hostel Rooms / Lecture Theatres etc.)
1	Shopping Complex	2026-27	G+1 floor
2	Type-Ill , IV and VI quarters (phase- II)	2026-27	Around 250 flats
3	Outdoor Sports Ground/ Stadium	2027-28	Open Stadium with Audience Gallery, running track and support rooms including provision of High Mast Lights
4	Solar power generation of 5MW	2027-28	On parking shed
5	Engineering Services and Maintenance Block along with Store	2027-28	G+5 building consisting of Double height stores, wroskshops for Engineering Services and Maintenance Department and office Space
6	Centralized Diagnostics & Research Laboratory with animal research facilities	2028-29	G+10
7	Helipad	2028-29	
8	Dharamshala (Night Shelter) for patient relatives/ attendants(Phase-II)	2034-35	G+13 (250 rooms)
9	Construction of New OPD block	2035-36	34056.73 SQ.M (G+13)
10	Requirement of utility block and services	As required	

HOSTEL

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Construction of Hostel 2 Nos	To construct additional hostels to strenghthen the hostel	Total – 500 beds (250 Beds each for male and female)	100 Cr	15,000 sq. mtr. (for 2 Hostels)
2	Construction of common community area and Amphitheatre	To construct common Reading rooms, community center and Amphitheatre for Culcutural and Educational Event's	01 Unit	10 Cr	5,000 sq. mtr
3	Construction of Central Hostel Administration office	To Construct Centralize Hostel Administration Office Building with Meeting and common Reading Rooms (Ground + 1 Floor)	01 Unit	10 Cr	5,000 sq. mtr
4	Centralize Air Conditioning Unites	To facilitate the existing hostel buildings with centralize Air Conditioning to the floors and Common Areas of the Hostel Buildings	07 Unit	10 Cr	Not Applicable `
5	Purchase of Hostel Furniture and Consumable Items	To Repalce the existing unserviceable, condemn furniture, Chairs, Mattresss, Curtains etc.	Approx. 1000 Beds	10 Cr	Not Applicable
6	Purchase of electrical and Electronics items	To Replace the existing unserviceable , condemn electrical items, washing	As per requirements against Unserviceable items.	10 Cr	Not Applicable

NURSING COLLEGE

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Commissioning additional spaces	Furniture, teaching equipment	Adequate and comfortable seating in lecture halls, labs, library and faculty spaces. Durable and technologically advanced teaching equipment	~ ₹ 1,25,00,000	Land for extension of present building or additional building with following basic requirements •4 lecture halls with 100 seating capacity, •5-8 seminar halls of 500 sq feet •15 – 20 faculty rooms 300 sq ft, •Additional rooms for storage and office, and •multipurpose hall (350 seating) *Library hall additional with 100 seating
		Lab equipment	Adequate lab equipment for the learning needs of increased number of students		
		Digital library with advanced E Resources and additional library space	Increased collection of text and reference books. Comprehensive E-resources. Well-equipped Digital library. Internet access based on student ID		
		Skill trainers and mannequins and AR&VR equipment and AI enabled tools	Newer technologically advanced equipment and in higher numbers for enhanced learning and to cater to increased number of students		

PART - I

EDUCATIONAL (SHORT TERM)

ANAESTHESIOLOGY & CRITICAL CARE

Sr.No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Fellowship in Paediatric Anaesthesia Fellowship in Cardiac Anaesthesia DM Paediatric Anaesthesia PDCC Critical Care		Developing trained Anaesthesiologists in various subspecialties	Salaries of senior residents	None
2	B.Sc. Course in Anaesthesia and Operation Theatre Technology		Developing trained technicians	Salaries of interns during internship	

DENTISTRY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Paramedical /Paradental Courses				-
	Diploma in Dental Chair side Assistance.	To start in 2026	Two Year Program	04 intake per year	-
	Diploma in Dental Hygiene	To start in 2026	Two Year Program	02 intake per year	-

ENDOCRINOLOGY AND METABOLISM

Sr.No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Starting DM program	Completed Level 3 of the process	---	----	----
2	Bone Mineral Density	NOA came and site readiness certificate has been issued	DXA Scan	DPR equipment	Room allotted in the Dept. of Radiology
3	Technician	To recruit	For DXA Scan	Salary as per protocol of Radiology technician	-----

ENT

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Fellowship in Head and Neck Oncology, Rhinology, Otology	Academic post graduate fellowship course	Head and Neck Surgery Unit, Clinical Trials, Tumor Board, Endoscopic and Minimally Invasive head & Neck Surgery, Skull base surgery	5,00,000 Rs Per year	4 Examination rooms (approx. size of 15'x15') for fellow students. 20 Beded Male and Female ward, Seminar room (Seating capacity of 30-50), Dedicated OT (No.2)
2	Bachelor and Master course in Audiology Speech Language Pathology	Academic graduate Course with complete faculty in Audiology and Speech Language Pathology	Audiology department with sate of the Art diagnostic and rehabilitative facilities Auditory-verbal therapy for children		2 Examination rooms (approx. size of 15'x15') for Graduate and Post graduate students

BIOCHEMISTRY

Sr.No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	To adopt a need-based curriculum with problem-oriented learning, integrated teaching, team learning and other innovative teaching learning modalities and assessment strategies for the medical and paramedical learners	1.Implementing of modern principles of Medical Education and Technology to impart basic and advanced principles of Biochemistry to 1st year MBBS students 2.Implementing well planned horizontal and vertical integration with other departments to optimize teaching methods and connect biochemistry with clinical subjects, enhancing student understanding of its clinical relevance. 3.Incorporate innovative measures Viz. problem-based learning, case-based learning, Small group teaching, Early clinical exposure and hands-on laboratory sessions to foster critical thinking and practical skills. 4.Update the PG training programme to facilitate learning of applications of principles of Biochemistry in clinical aspect. 5.Develop initiatives to support students academically, including tutoring, peer mentoring, and workshops on complex topics. 6.Encouraging both undergraduate and post graduate students to participate in research projects and scientific discussions. 7.Organizing events like UG and PG Quiz, seminar, symposia, workshops to assist in peer learning and exposure to experts in the field. Faculty Development: 8.Encourage and support faculty participation in workshops, conferences, and continuing education programs to stay current in the field.9.Promote collaborative teaching and mentorship programs to enhance faculty-student engagement.	1. No. of Innovative learning sessions conducted in academic years 2. No. of Vertical and horizontal integration sessions conducted in annual year 3. No of research projects submitted by UG and PG students. 4. No of Quiz, seminars, symposia, conferences and hands-on workshop conducted by department in financial year 5. No. of workshops, conferences attended by faculty. 6. No. of publications, presentations in conference by students and faculty.	Included in B.4	Included in B.4

CARDIOLOGY

Sr .No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Echo certificate course	Candidates will be selected based on appropriate exam	To produce echo trained professionals	2 lakhs per candidate/year	NIL
2	BSc in paramedical technology	Candidates will be selected based on appropriate exam	To produce trained cath lab and echo technicians	2 lakhs per candidate/year	NIL
3	Post-doctoral fellowship (PDF) course in adult cardiology and intervention	1 year program after dm cardiology. The program involves hands-on training in all diagnostic aspects of adult cardiac care as well as interventional cardiac catheterizations	For students who have finished DM/DNB cardiology course. For education. It will also increase the manpower	15 lakhs per candidate/year	

BURNS AND PLASTIC SURGERY

Sr .No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational courses MCh Burns and Plastic surgery 6 yrs MCH course	Develop a robust curriculum that covers various aspects of plastic surgery and related specialities. Training MBBS students in Burns and Plastic surgery Offers hands on experience and mentorship.	Contribute to improved health outcomes for Burns and Plastic surgery patients	Salary as per GOVT rules.	
2.	Fellowship in hand microvascular and brachial Plexus surgeries for post MCH (senior residents) 1 to 2 years course	Develop a robust curriculum that covers various aspects of Hand , microvascular and brachial plexus surgeries. Training MCH Burns and plastic surgery Senior residents in Hand Microvascular and Brachial plexus surgery. Offers hands on experience and mentorships.	Contribute to train more numbers of burns and plastic surgeons in hand microvascular and brachial plexus injury treatment .		
3.	Fellowship in head and Neck reconstruction for Post Mch (senior residents) 1 to 2 years course	Develop a robust curriculum that covers various aspects of Head and neck reconstruction .Training post Mch burns and plastic surgeons in various aspects of Head and neck reconstruction in Burns and plastic surgery. Offers hands on experience and mentorship.	Contribute and train more numbers of post MCh SRs of burns and plastic surgery in head and neck reconstruction		
4	Cerificate course as a dresser one year duration	To develop robust curriculum to train dressers in doing various dressing in burns and plastic surgery	Contribute and train more numbers of Paramedical people asa dresser in burns and plastic surgery so that good patient care possible in large number of patients		
5.	Certificate course as aOT technician in burns and plastic surgery (1 year duration).	To develope robust curriculum to train students for assisting in Burns and plastic surgery OT	To train more number of students to assist in burns and plastic surgery OT.		

Orthopaedics

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Fellowship in Arthroplasty	Approval of concerned Authorities	Output of fellowship trained surgeons	Stipend of SR	NA
2	Fellowship in Arthroscopy	Approval of concerned Authorities	Output of fellowship trained surgeons	Stipend of SR	NA
3	Fellowship in Pediatric Orthopedics	Approval of concerned Authorities	Output of fellowship trained surgeons	Stipend of SR	NA

COMMUNITY MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Community Field Action Program for undergraduates	At present family health posting is ongoing for undergraduates – The number of visits need to be increased along with the following activities Increase in number of visits – monthly to twice a month during final year part II. Action research on a given topic in the community Medical camp during every visit with objective of screening for Diabetes, Hypertension and anemia and treatment for common ailments.	Community orientation of undergraduate students Student training on family follow-up and patient care for common ailments Community based research training Door-step health care services for families in the communityAwareness generation activity within the communityThe research undertaken can generate actionable Data for the local health system	Medical Social Worker for liaising and family follow - up activities (Manpower) Equipment,Glucometer Hemoglobinometer, BP apparatus,Drugs and consumables, every visit (as listed in Annexure II)	
2	MPH	Course curriculum is prepared and submitted to SAC for approval. The intake shall be 10 students per annum initially. The students will be admitted based on an entrance test conducted by the institute. The course will be of 2 -year duration with specialization in the second year. The students will undertake a dissertation in their 2nd year on a relevant topic. Assessment will be done by summative assessment at the end of each year.			
3	Postgraduate certificate course in Inf. Dis Modelling	Course curriculum is approved by the SAC. The course will be of 3 month duration for program managers and researchers in the field of Infectious disease epidemiology. The annual intake is 25 per batch.			

DERMATOLOGY, VENEREOLOGY AND LEPROLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Increase in number of MD seat	02 per session	-	-	-

FORENSIC MEDICINE & TOXICOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	MD (PG)	Academic program	2 seats/6 months	As decided by Dean (Acad)	As decided by Dean (Acad)
2	PhD	Academic program	1 seat/6 months	As decided by Dean (Acad)	As decided by Dean (Acad)

GENERAL SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	MCh Program in Minimal Access Surgery	• Curriculum designing • Approval of Academic Committee • Procurement of necessary equipment	Equitable availability of training / skills for all Institutions	Rs. 18 lakh / year	
2	Fellowship Programs in GI Endoscopy			Fee: Rs. 2 lakhs Stipend: Rs. 30,000/-	
3	Certificate course in Diabetic Foot			Fee: Rs. 1 lakh	
4	Certificate course in Proctology				
5	Certificate course in Stoma Care				
6	PhD Program	Identification of thrust areas	Career enhancement opportunity	----	

HOSPITAL ADMINISTRATION

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Start MD Hospital Administration program	Develop curriculum, acquire approvals, and recruit faculty	Launch of MD program	-	-
2	Certificate course for Medical Record Technicians	Develop course structure, acquire approvals, and initiate batches	Certification for Medical Record Technicians	-	-
3	Expand current collaboration with IIM Nagpur to start MBA In Healthcare Management	Strengthen partnership, introduce new modules	Enhanced curriculum for the Advanced Health Care Management program	-	-

NEPHROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Certificate course in Critical Care Dialysis and Peritoneal Dialysis	Selection through Qualifying Exam. Eligibility: Certificate course/Diploma in dialysis technology/ Bachelor's degree in Dialysis Technology Duration: 1 year	Provide hands on training and teaching in performing critical care dialysis (SLED and CRRT) and peritoneal dialysis (Acute PD and CAPD/APD). It would facilitate the Critical care Dialysis and Peritoneal Dialysis programs of AIIMS Nagpur significantly.	Intake: 10 per year Admission charge: 25,000 / year No Stipend.	None

NEONATOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Neonatal Advanced Nursing Course	Through one year posting in all areas of NICU and birthing areas and pre-structured curriculum	To offer training in advanced neonatal intensive care nursing practices for nurses	Stipend to the Nursing office as per Govt. rule	None
2.	Lactation Counselor course	1 year training program in lactation management as per pre structured curriculum	To offer training in lactation management of mothers and neonates	Stipend to the Nursing office as per Govt. rule	None

OPHTHALMOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Short term (3 months): Medical retina Observership or PDCC	Non-stipendary OR Feebased • Curriculum and Log Book: • Teaching of: Fundus fluorescein Angiography, OCT, B scan, Lasers and intravitreal	• Certificate given • 1 seat /quarter	Revenue/ Man-power shall be generated	Nil
2	ROP (3 months): screening and management	Non-stipendary OR Feebased • Curriculum and Log Book: • Teaching of: ROP screening, Injections and managemen	• Certificate given • 1 seat /quarter	Retcam needs to be procured by neonatology department	

NEUROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Certificate courses	Recruitment of students for training in Neuro-electrophysiology	Education and learning of students	Institute will be able to generate fees through the course Increased manpower in the department	2 OPD rooms (already functional)

NEUROSURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational Courses M.Ch. neurosurgery :6 years course	Develop a robust curriculum that covers various aspects of neurosurgery and related specialties. Training the MBBS students in neurosurgery Offer hands-on experience and mentorship	Increase the number of trained neurosurgeons. Contribute to improved health outcomes for neurological patients.	Stipend to the students as per Govt. rules	None

NUCLEAR MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational courses - MSc Nuclear medicine technology: 2 yrs	• Develop robust curriculum that covers various aspects of nuclear medicine imaging and therapy needs. • Offer experience and mentorship	• Increase the number of trained medical physicists. • Contribute to improved outcome for nuclear medicine services	Salary as per Govt rules.	None

OBSTETRICS AND GYNECOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Post doctoral Fellowship courses PhD	Fellowship in : 1.Maternal fetal Medicine, 2. Obstetrical Critical Care 3. Gynecological Oncology 4.Urogynecology 5. Minimally Invasive Gynecological surgery 6.IVF Curriculum for intensive training in various sub specialties of obstetrics and gynecology	Contribute to improved and specialized services in respective specialties	Fellowship courses in lieu of senior resident' posts (6 per year)	Nil

COLLEGE OF NURSING

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	BSc Honours Nursing 70 seats	a. Dynamic curriculum with robust theoretical courses b. Eclectic teaching methods and tools c. Exhaustive clinical rotations, clinical learning activities and skill lab training d. Community outreach programmes (rural & urban), awareness programmes, family visits and support, health camps and exhibitions, school health activities e. Projects and internship f. Mentorship and extracurricular programmes for students	1. Competent and compassionate nursing professionals 2. Comprehensive curriculum 3. Comprehensive clinical training 4. Simulation training 5. Community outreach for health promotion and family support 6. Student support	BSc regular stipend – ₹ 9, 12,000 Internship – ₹ 31, 56,000	Nil
2	MSc Nursing 10 seats			MSc stipend – ₹ 18, 00,000 from AY 2025-26	
3	Post Basic Diploma Residency program 25 seats (5x5)			Proposed PB Diploma stipend with hostel (ref. SCTIMST) – ₹ 43, 20,000	
4	PhD in Nursing 3 seats			Nil	
5	Short courses 4/year	MoHFW funded – Refresher courses with clear objectives, evidence-based practice guidance, competence training with pre-post assessment	Meeting the training needs of the nurses belonging to the Institute and the region	Nil	Nil
6	Induction training	Orientation programme for newly joined NOs emphasizing on professional practice, competence training with pre-post assessment	Motivated nursing officers ready to work in line with the mission and vision of the Institute	Nil	Nil

MICROBIOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	PDCC course on Infectious Diseases (2 candidates / year)	After approval: Entrance Examination for selection of candidate Formative and summative assessment (Theory, Practical)	Start of yearly post-doctoral certificate course for post MD candidates	Level 11 (Approx 16 lakhs/ annum/ student)	No
2	PDCC course on Hospital Infection Control (2 candidates / year)	After approval: Entrance Examination for selection of candidate Formative and summative assessment (Theory, Practical)	Start of yearly post-doctoral certificate course for post MD candidates	Level 11 (Approx 16 lakhs/ annum/ student)	No

PATHOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	**DM courses**	Approval by Board of studies			
2	DM Hematopathology	Approval by Board of studies Submitted proposal	Quality hematopathology services , education and reserch	Salaries for 2 DM candidates per year	Nil
3	**Fellowship**				
A	Cytopathology	Approval in Board of studies	Capacity building with specialized training		
B	Nephropathology			Nil	NIl
C	Flowcytometry				
4	**Paramedical Courses**				
A	Certificate course in Phlebotomy		Trained support staff	Nil	Nil
B	Kiosks with question banks at lecture hall for UG	Purchase through academics by e-tender Uploading question banks	Learning for competitive exam	Approx 10 lac	Nil
5	**Postdoctoral certificate course (1 year) in Dermatopathology**)	Application to Indian College of pathologist (ICP) for commencement of PDCC course Obtain certificates from ICP for PDCC course Advertisement for recruitment of candidate(s) for One-year PDCC course Hands on training of candidates under the guidance of Senior faculty Conduct of exit examination	Trained pathologist in the subspeciality of Dermatopathology	One time inspection cost-Rs/-10,000. Salary/Stipend of Senior Resident as per Institute regulations for 1 year	Nil

MEDICAL GASTROENTEROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	To start DM Programme	As per eligibility rules of the insitute	PG students	Approx 15 lakh per year/candidate	Department
2	Certificate courses	As per eligibility rules of the insitute	Endoscopy Technician	None	Endoscopy room, Department

PEDIATRICS

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Post Doctoral Fellowship in Pediatric Emergency Medicine	2 year Course	1. Capacity building of human resources to run efficient and high quality Pediatric Emergency Medicine services	As per the institute policy for fellows	4 beds in Emergency Department
2	Fellowship in Pediatric Critical Care Nursing	1 year Course	1. Skilled nurses for catering to critically ill children	As per the institute policy for fellows	None
3	Post Doctoral Fellowship in Pediatric Infectious Diseases	2 year Course	1. Capacity building of human resources for quality management of Pediatric Infectious diseases	As per the institute policy for fellows	None
4	IAP Fellowship in Ped. Pulmonology(short term plan)	1-2 yr course	Taught course with compulsory Residency		
5	Fellowship course in Developmental Pediatrics	1 year course with structured curriculum, log book and compulsory research and examination.	Comprehensive knowledge and skills to become leaders in the field of developmental-behavioural Pediatrics.	None	None
6	IAP Fellowship in Pediatric rheumatology	1-2 yr course	Taught course with compulsory Residency		
7	DM Pediatric neurology	3 year course	Taught course with compulsory residency		
8	ISPGHAN Fellowship in Pediatric GI and Hepatology	2 yr course	Taught course with compulsory Residency		

PHARMACOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Competency-based postgraduate Medical Education	Review the feasible competencies as per NMC guidelines and modify the curriculum, and get it approved in the BOS. Train the manpower and start implementing from fresh batch	A competent and skilled PGs will be produced, which will be absorbed easily in the industry and academia	Fees: 3000 Stipend:	NA
2	Start DM clinical pharmacology course	Curriculum of DM will be framed and get vetted from the experts in the field. Get the approval from BOS	A competent clinical pharmacologist, who can easily be employed in Industry and CRO	Fees:5000 Stipend: As per norms	NA
3	Centre of excellence in GCP training…	Standardize the module Train the resource faculty	Capacity building of human resource on clinical research and ethics	5-10 lakh	500 Sq. ft
4	Certificate course in clinical research	Curriculum will be framed and get vetted from the experts in the field. Get the approval from BOS	Capacity building of human resource on clinical research	Fees:2000 No stipend	Available

PEDIATRIC SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational Courses M.Ch. Pediatric surgery: 6 years course	Develop a robust curriculum that covers various aspects of pediatric surgery and related specialties. Training the MBBS students in pediatric surgery Offer hands-on experience and mentorship	Increase the number of trained pediatric surgeons. Contribute to improved health outcomes for pediatric patients under the maternal and child health program.	Salary to the students as per Govt. rules	None

PHYSIOLOGY

Sr. No	nitiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	B.Sc. Neurophysiology	Identify the resource faculties and departments Define Course Objectives & Learning Outcomes Formulate curriculum Get approval from higher authorities Implement Monitoring and Evaluation Accreditation and Certification	Develop the undergraduate course Trained undergraduates in Neurophysiology	Salary for Additional 2 numbers of Neurotechnicians	Nil
2	Lifestyle Medicine Certification Course (LMCC)	Introduce Six-month Online Course Six-month Online Course with One Contact Session with Formative and Summative Assessment	Competent Physicians in Lifestyle Medicine Initiation of LM Clinics at Other Institutes	Revenue generation by charging a course fee of INR 25,000/- Per candidate used for the conduct of the course	Nil

RADIODIAGNOSIS

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Post graduate Diploma course (PDCC) in cross sectional imaging	Selection of candidates through MCQ based test.	To enhance skill of new Radiologists	Income- through fees as decided by instituteExpenses – Monthly Stipend for one year as decided by institute	-
2	Diploma in Medical Radiography and Imaging Technology	Selection of candidates through MCQ based examination.	To teach various techniques of Radiology to HSSC passed students.	Income- through fees. Expenses – administrative expenses for conducting the course.	-
3	Certificate course in fetal medicine & fetal echocardiography	Selection of candidates through advertisement and educational eligibility.	To enhance skill of new radiologists in fetal medicine & interventions.	Income- through fees. Expenses – administrative expenses for conducting the course.	-

PHYSICAL MEDICINE AND REHABILITATION

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Fellowship in Neurorehabilitation	The course is ongoing in NIMHANS, Banglore. The proposal will be submitted through Dean academics for approval. One Senior resident post will be created/ Converted from the existing post	Joining of 2nd Assistant professor	1 Post of Senior resident (Salary head funds for one year)	Nil

PSYCHIATRY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Fellowship in consultation-liaison psychiatry	The curriculum will be submitted to the board of studies	One seat per semester	Salary of the fellow equivalent to SR for 2 students per year	Nil

PULMONARY MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	a. After 1.5 years will be eligible to take PG students b. Plan to start certification course of bronchoscopy assistant in next 6 months	As per eligibility rules of institute	PG Students	Fee as per institute policy	NA

RADIATION ONCOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	MD (2 students/yr)	NEET PG	Post MBBS	Fees and stipend as per AIIMS rules	NIL
2	BSc RTT (5 students/yr)	NEET	Post 10+2	Fees and stipend during internship as per AIIMS rules	2000 Sq Ft
3	Medical physicist internship program	Personal interview	Education and service	18000 INR/month	NIL

RESEARCH CELL

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Annual three days training in research methodology for faculty	A three-day training in research methodology will be conducted annually for capacity building of faculty at AIIMS Nagpur. The training will give an overview on epidemiology, biostatistics and research methods.	Number of faculty trained	Rs.75000/- annually	

SKILLS LAB

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Advanced Skill lab with courses at AIIMS Nagpur- Various task trainer, Human patient Simulator, Comprehensive Examination cardiovascular Simulator, Comprehensive Examination chest & lung Simulator, Wireless Pediatrics Simulator, Full body pregnancy Simulator, Difficult Airway Simulator for UG, PG, Faculty and practitioners and others skills as identified by BOS members	• Identification of Basic clinical skills of all specialties by expert, • Develop modules • Use available mannekins effectively	Equitable availability of training facilities/skills at AIIMS Nagpur	15 Cr Fees to be collected from participates from various courses	6th floor, Medical college Building, AIIMS Nagpur

HOSPITAL ADMINISTRATION

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Start MD Hospital Administration program	Develop curriculum, acquire approvals, and recruit faculty	Launch of MD program	-	-
2	Certificate course for Medical Record Technicians	Develop course structure, acquire approvals, and initiate batches	Certification for Medical Record Technicians	-	-
3	Expand current collaboration with IIM Nagpur to start MBA In Healthcare Management	Strengthen partnership, introduce new modules	Enhanced curriculum for the Advanced Health Care Management program	-	-

SURGICAL GASTROENTEROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational Courses M.Ch. Surgical Gastroenterology: 3 years course – increase the number of seats	• Develop a robust curriculum that covers various aspects of surgical gastroenterology and related specialties • Training the surgery residents in surgical gastroenterology • Offer hands-on experience and mentorship • Selection through qualifying exam	• Increase the number of trained GI surgeons • Contribute to improved health outcomes for complicated cases including GI cancers and liver transplant	Stipend to the students as per Govt. rules	None

UROLOGY AND RENAL TRANSPLANT

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational Courses M.Ch. Urology: 3 years course	• Develop a robust curriculum that covers various aspects of urology and related specialties. • Training the MS students in Urology. • Offer hands-on experience and mentorship	• Increase the number of trained Urologists. • Contribute to improved health outcomes for patients.	Stipend to the students as per Govt. rules	None

PART - II

RESEARCH(SHOT TERM)

PHYSIOLOGY

S.No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
01	A. Qualitative Research (Lifestyle Medicine): Understanding choices of lifestyle behaviours among patients. B. Quantitative Research (Lifestyle Medicine): Effect of Whole-Food Plant-Based (WFPB) diet on biochemical variables in different NCDs.	In-depth interviews, focus groupdiscussions, thematic analysis. Randomized controlled trials, longitudinal studies.	Insight into patient motivations, barriers, and facilitators relatedto lifestyle changes Quantitative data onthe impact of WFPB diet on disease markers, quality of life, and clinical outcomes	NIL	NIL
02	Computational Neuroscience	Using AI, machine learning to develop neural models in healthand in disease	Advanced neural models, predictive algorithms for healthand disease states	Rs 40-50 Lac	NIL

BIOCHEMISTRY

S.No	Initiative	Methodology	Deliverables	Approx. Financial Implication	Land Requirement
1	Establishment of advanced research facility for basic and advanced research specifically directed towards translational research	1. Genetic laboratory • Genetic material extraction • PCR, RFLP • Mutation detection • RT-PCR laboratory • dd-PCR • miRNA estimation • Diagnosis of Cystic fibrosis common mutation 1. Proteomic laboratory • Advanced horizontal and vertical electrophoresis • Electrophoretic analysis of various immunoglobulins • HPLC analysis of various analytes • Mass spectrometry • Antenatal testing and newborn screening 3. Advanced research laboratory	1.Mutation testing 2.Diagnosis of various genetic disorders 3.Diagnosis of inborn errors of metabolism 4. Diagnosis of late onset genetic disorders. 5. Drug estimation 6. toxicological estimations	INR. 15 Cr. (Approx)	200 sq. m.

FMT

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Extra Mural	Research project under consideration by ICMR	01 project	24.05 L	Nil
2.	Intra Mural	Research project under consideration by AIIMS Nagpur	02 projects	2.40 L & 1.16 L	Nil
3.	Non funded	Ongoing research project at AIIMS Nagpur	04 projects	Nil	Nil

MICROBIOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Integrated Research with AYUSH	After approval from Research cell and IEC: MoU will be signed	Outcome of research findings will be published	Depend upon type of project	No
2.	Intramural projects/Extramural projects	After approval from Research cell and IEC	Outcome of research findings will be published	Grant given by institute	No

PSYCHIATRY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	ICMR grant received: 1	Recruitment ongoing, proposal cleared from IRB	Research publication and generation of an algorithm for AI in the diagnosis of schizophrenia	Funded by ICMR	Nil
2	ICMR grant submitted: 2	As per ICMR norms	Publications and learning		
3	Intramural grant submitted: 2	As per intramural norms	Publications and learning		
4	Collaborative, multicenter and non-funded research: 2				

RADIODIAGNOSIS

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1.	Extra mural and intra mural funded research projects	Application to various Extra mural funding agencies and Institute based funding.	Opportunity for research useful to society .	Will depend upon the project cost and amount funded by agencies	-
2.	Sponsorships	Through the agencies sponsoring the research projects.	Opportunities for research and innovations	Will depend upon the type of project and the sponsoring agencies	-

COMMUNITY MEDICINE

Sr. no.	Initiative	Methodology	Deliverables	Approx financial implications	Land requirement
1.	Community Action Research for undergraduates	A group of 10 students will together conduct an action research project mentored by the guide.	Research training for undergraduates Actionable data based for the health system based on the research Research publications from undergraduates	Financial support for field-based laboratory tests and reagents wherever required	Nil
2.	Evidence Synthesis Unit	An Evidence Synthesis Unit will be established under the department to apply and undertake the evidence synthesis projects of the National and International significance. Capacity building workshops will be conducted on the evidence synthesis topics such as systematic reviews	Funded Systematic review and meta-analysis projects Research publications of systematic reviews Faculty and residents trained in the systematic review methods	Access to databases like EmBase, Web of Science, Scopus, Cochrane Library Rs. 4-6 lakhs per annum (Approx)	Nil

ORTHOPEDICS

S. No.	Initiative	Methodology	Deliverables	Financial implications	Land Requirement
1.	MoU with engineering colleges	Memorandum of Understanding between AIIMS and concerned center for collaborative research	Improved training and exposure for the trainee residents & faculty	Nil	Nil

SURGICAL GASTROENTEROLOGY

S. No.	Initiative	Methodology	Deliverables	Financial implications	Land Requirement
1	Initiate Research projects and Research Grants and Intramural Projects by Faculty	Completion of projects after Research cell and Ethics committee approvals; Application for Intramural Projects	Completion and Publication of the research work /presentation in National and International Conferences	None	None
2	Stimulate UG Research	Guiding MBBS Students with ICMR STS Projects	Approval and Execution of Projects	None	None
3	Stimulate PG Research	Faculty wise nomination of meritorious students to present papers in National and International Conferences	Presentation at National and International conferences of work done at AIIMS Nagpur	Application for Travel grants	None

RADIATION ONCOLOGY

S. No.	Initiative	Methodology	Deliverables	Financial implications	Land Requirement
1	Designing treatment protocols considering the needs and limitations of Indian Cancer Patients	Institute level.	Pilot testing	NIL	NIL
2	Identify best radiotherapy planning technique	Institute level.	Feasibility studies	NIL	NIL

BURNS AND PLASTIC SURGERY, UROLOGY & PEDIATRIC SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
2.	Research activities	Identify key areas of interest and need within the local context for research focus. Design and execute research projects focused on conditions prevalent in the region. Establish partnerships with other institutions for collaborative research efforts. Encourage student participation through research projects, seminars, and workshops.	• Generation of new knowledge on locally prevalent conditions. • Increased exposure of students to research practices and methodologies.	-	-

NUCLEAR MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Research activities	• Design and execute research projects • Establish partnership with other institutions for collaborative research offer • Encourage student participation in research projects, seminars, workshops	• Increase exposure of students to research practices and methodologies.		

NEPHROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Ongoing Research projects and Research Grants and Intramural Projects by Faculty	Completion of projects after Research cell and Ethics committee approvals; Application for Intramural Projects	Completion and Publication of the research work / presentation in National and International Conferences	None	None
2	Stimulate UG Research	Guiding MBBS Students with ICMR STS Projects	Approval and Execution of Projects	None	None
3	Stimulate PG Research	Faculty wise nomination of meritorious students to present papers in National and International Conferences	Presentation at National and International conferences of work done at AIIMS Nagpur	Application for Travel grants	None

NEONATOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	To Establish Neonatal research projects	Identify key areas of interest with local context for research work	Increased exposure of students to research and methodologies	As per specific research project	None
2.	Neurodevelopmental follow up and research clinic	Will follow up all high risk babies in Neurodevelopmental clinic and do assessment of their developments	To all high risk babies	Approx. 200000	1 OPD room with developmental assessment area

OBSTETRICS AND GYNECOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Research Activities	1.Initiate interdepartmental Clinical research 2. Community based studies 3. Establish partnership with other Institutions for multi centered collaborative studies for registry and long term 4. Organize seminars and CME in virtual mode	Generate epidemiological and clinical evidence, contribute to scientific knowledge by publications in high impact journals and help in implementation of policies	Generate funds through extramural research proposals	NIl

TRAUMA & EMERGENCY

S. No.	Initiative	Methodology	Deliverables	Financial implications	Land Requirement
1.	ICMR TQIP	Trauma Quality improvement study in partnership with ICMR and 5 other centers	a. To identify Key performance indicators in trauma management b. Implementation of change ideas to attain key performance indicators	None Taken care by ICMR Grant	Office space

ANESTHESIOLOGY & CRITICAL CARE

S. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	**Research**	Identifying potential areas of research for faculties, residents and MBBS students pertaining to areas of local, national and international implications. Identifying potential research questions in advanced technology pertaining to anaesthesia.	Generation of new information and knowledge in the specialty. Introducing students to the research practices	--	None

TRANSFUSION MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Safe Blood Transfusion Practices	Integrated and Collabarative Research	*Clinical Trials:* Initiate short-term clinical trials focused on optimizing anesthetic transfusion medicine. - *Collaboration:* Foster collaborations with other AIIMS branches and national institutes to participate in multicenter studies on transfusion medicine outcomes.	Intramural and Extramural Grants	Additional Laboratory

CARDIOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	NPAC study	Development, implantation and evaluation of protocolized cardio-obstetric care	For providing evidence-based care to pregnant women with heart disease in India	NIL	NIL
2.	Impact, cost-effectiveness, and sustainability of a synergistic, multipronged, customized, low-cost intervention package (IP)	Through systematic research methodology	To reduce cardiovascular disease (CVD) burden among diverse populations across India	NIL	NIL

GENERAL SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1.	Extramural: • Breast Oncology • Pancreatitis • Extrapulmonary TB • Mesenteric Ischemia (Risk factors, Screening)	• Formulation of specific objectives • Identification of collaborative departments • Identification of funding agency	• Identification of specific markers for early diagnosis • Identification of prognostic indicators	----	------

PART - III

INFRASTRUCTURE (SHORT TERM)

PHYSIOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Polysomnography System (PSG)	Finalization of technical specifications, obtaining budget approval, procurement, acquisition, and installation of the PSG system	Feasibility to conduct comprehensivesleep research, including the investigation of sleep disorders, brain activity, and sleep stages. Thiswill contribute to scientific publications and enhance research outcomes in sleep medicine.	Requirement:1 Unit Budget: ₹ 45,00,000	NIL
2	Designated Electrodes for Electroneuronography	Electrodes with connector (tobe procured),EMG-NCV machine (already indepartment)	Will provide diagnostic and prognostics markers in cases of nerve injury	Requirement:1 Set Budget: ₹ 1,00,000	NIL
3	Phase Contract Microscope	Procurement and installation, including comprehensive staff training on operational use and integration into existing semen analysis protocols.	Enhanced capability for precise and rapid assessment of semen parameters, resulting in significant reduction in sample processing timeand expedited dispatch of test reports to patients.	Requirement:1 Unit Budget: ₹ 15,00,000	NIL
4	Eye Tracking Device	Finalization of technicalspecifications, acquisition, conductionof pilot studies, and adoption in research for upcoming projects	By leveraging eye tracking technology, research students gain deeper insights into variousaspects of medical science, from cognitive and emotional processing to practical applications in medical trainingand patient care	Requirement:1 Unit Budget: ₹ 62,50,000	NIL
5	Additional Equipment forUG Courses Teaching andUndergraduate Research	Finalization of technical specification of the proposed equipment, Budget Approval, Procurement, Acquisition and Installation	The procurement of the aforementioned equipment will facilitate small group teaching among undergraduate medical courses, promoting a more interactive and comprehensivelearning experience	Total Budget = ₹ 20,00,000	NIL

Microbiology

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	BSL3 Laboratory for TB culture	e-tender will be floated and L1 will be granted	TB culture and DST services will be available	4.8 Cr	-
2	Genomic sequencer		Sequencing	3 Cr.	1000 sq. ft.
3	Anaerobic work station		Anaerobic culture and DST services will be available	15 lakhs	1000 sq. ft.
4	Line Probe assay		TB identification and DST	37 lakhs	No

BIOCHEMISTRY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Upgradation of available facility to advanced diagnostic and research facility for provision of state of art diagnostic services and facilities for advanced translational research	Integrated Dry chemistry random access autoanalyzer ,5 part analyser,Auto analyser Tissue processor,Cryostat,Microscope (Fluorescent, phase contrast),Microscope (trinoculor),Ultra centrifuge,(-20 degree) freezer (-70 degree) freezer,High Pressure Liquid Chromatography,Gas Chromatography LC-MS-MS system, Ordinary refrigerator,Bio-safety cabinet,Micro pipettes,Multi-channel micropipettes,Liquid N2 tank,Computers and Accessories withInternet facilityFlow cytometer	Novel markers estimation/detection Cancer biomarkers testingMutation testing .Diagnosis of various genetic disorders .Diagnosis of inborn errors of metabolism . Diagnosis of late onset genetic disorders. Drug estimation .toxicological estimations	INR. 15 Cr. (Approx)	200 sq. m.

PATHOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Sitting chambers for faculty	Partition of corridors	Space for work and research with better output	Service tender from vendors approx.5 Lakhs	
2	Expansion of lab space with duplication of equipments for/Histopathology Frozen section, Immunohistochemistry Lab, Immunology lab	Assignment of space in central research lab with partition and lab infrastructure	Enhanced research output Better patient care	To be calculated aftercalling eoi fromEng department tender	

FORENSIC MEDICINE & TOXICOLOGY

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Proposed Non DPR Services	Non-DPR	Autopsy services, Virtual autopsy, Histopathology services, DNA Laboratory, Anthropology laboratory.	19 Cr.	Proposed Autopsy Block: **3198.26 sq mtr.**
2	Pending DPR Items: **04**	Provision of DPR at inception	Required for autopsy services	As per MoHFW, Govt. of India	Included in Mortuary complex

GENERAL SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	IPD facility: Minimum 90 beds		Catering to increase in clinical workload	---	
2	Two Major OTs			---	
3	Exclusive Septic OT			--	
4	Department offices for faculty: Minimum 10 rooms		Catering to increase in number of faculty	---	10 rooms
5	Robotic Surgery system	Procurement as per GFR	• Service-oriented • Research	Rs. 45 crores	---
6	LASER equipment		• Treatment of Varicose Veins • Treatment of Anorectal diseases	Rs. 15 lakhs	----
7	Endotrainers		• Training of Faculty and PG students	Rs. 2 lakhs	Around 200 sq. feet

PHARMACOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Therapeutic drug monitoring services	Identification of space Procurement of equipment Installation and training Preparation of SOP Manpower recruitment	Safe use of medicines especially drugs with narrow therapeutic index	30 lakhs	Available

COMMUNITY MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Computer Lab for Epidemiology training	A computer lab will be set up with 25 Desktop computers. Installation of NCSS Sample Size calculation software and Stata software will be done on all 25 computers.	Undergraduate training on research data analysis and interpretation, Postgaduate training (MD/MPH) for research protocol development and analysis, Faculty development programs on data analysis	Rs. 65 Lakh rupees 25 All-in-one Desktops @ 80,000 each– Rs. 20 Lakhs 25 Stata Perpetual License @ 1.8 Lakh each – Rs. 45 lakhs	Building space for 25 computer-lab

PEDIATRIC

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Pediatric Emergency Medicine Services	Faculty and SR for Pediatric Emergency services	1. Increased number of sick children that are stabilized in ER before admission to ward or PICU 2. reduced door to bed time	Cost of upgradation of infrastructure, Consumables, Equipment and Human resources	Approx 1000 sq feet in the present Emergency Dept
2	State-of-the-art Regional Pediatric Allergy Centre	Catering to Central India's need for allergy testing and therapy	Providing services in Aero allergies, drug allergies, Insect allergies	Molecular allergen testing machine ,(Thermofischer/Phadia/ ALEX2TOSOH), PATCH test kit for drug allergies and contact dermatitis, Basophil activation test, FENO machine, IOS MACHINE	1 Allergy testing Room. 1 Patient observation room .
3	Comprehensive Pediatric Cystic Fibrosis Centre	Would provide Neonatal & pediatric sweat chloride testing	Diagnosis and management of CF and its complications	Provision for CFTR MODULATORS via CSR Formation of CFTR registry for central India GENETIC TESTING	1 counseling room
4	Pediatric sleep Centre	Catering to the increasing demand for pediatric sleep specialists	Focus on children with OSAS, DOWN syndrome, Neuro degenerative disorders.		1 counselling room

OBSTETRICS AND GYNECOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Infrastructure and Equipments	Upgrade existing facilities by state of the art equipments: Obstetric Care Birthing centre: Birthing beds along with Under water birthing facility. Provision of adequate furniture for patient's comfort. Advanced Ultrasonography units of Maternal and Fetal medicine and Intrapartum sonography. (2)Fetal and maternal monitoring units for antepartum and intrapartum surveillance Software for labor room data management: Intrapartum and postpartum .Obstetric Critical Care Unit : Invasive ventilation and Bedside CCRT facility Gynecology and Reproductive Services: 1.Advanced system for Operative Gynecological Laprohysetrocsopy unit 2.Microsurgical systems with surgical instruments and operative loupes 3. Electrosurgical units: Harmonic And Ligasure device 4. Point of care cancer diagnostic devices and anemia detection for community health care projects 5.Advnced ART lab equipments including time lapse, cryopreservation and embryo and gamete Banking	1.Provision of advanced and state of the art facilities for women during birth and for gynecological disorders including malignancy, infertility . 2. Reducing maternal morbidity and mortality 3.Prevetion of cancer	20 crore	Nil

GENERAL MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Expansion of Critical care beds and starting HDU by conversion of 8 beds of 504 and 505 wards	Increase the number of beds, upgrade existing equipment, Monitoring station and recruit additional staff in the form of Nursing officers and MTS staff	better management of critically ill patients	Approximately ₹75 lakhs (for Partitions to be created in wards, Extra equipment, and staffing)	Additional ICU space, equipment storage, staff rooms.
2	Upgrade of Intensive care Facility and Equipment's like Central Monitoring Systems, DVT pumps, Patient warmers, USG cum ECHO Machine, portable Xray Machine.	Acquire and install advanced central monitoring systems in ICU.	Improved patient monitoring and outcomes.	₹2Cr (for equipment and installation)	Installation space in ICU, technical support rooms, Installation of RO plant for bedside dialysis
3	Introduction of Critical Care Technology BSc course	Collaborate with other departments and design a curriculum, hire teaching staff (Biomedical Engineer), and acquire necessary equipment	A new stream of healthcare professionals skilled in critical care technology	₹35 lakhs (for equipment, faculty, and curriculum)	Dedicated lab space, classrooms, and practical training facilities
4	To start Specialty Clinic in Geriatrics, Diabetes, Rheumatology and other non-communicable diseases	Establish a team of geriatric specialists, acquire specialized equipment, and design geriatric care protocols	Improved care for the elderly, reduced hospital readmissions	₹10 lakhs (for equipment, hiring, and setup)	Dedicated Speciality outpatient clinics, patient counseling rooms are required
5	Increasing the Number of Clinical Units from 2 to 4 for better utilization of resources	Due to increasing burden of patients, we plan to increase the number of Units from 2 to 4 units.	This will help in providing better patient care, time for other activities like research for the faculty	Salary of the extra staff which would be required for the formation of the unit. Financial Implications would depend on the number of faculty recruited.	Will require faculty chambers for faculty to sit and space on the OPD.
6	Establishment of ART Centre in association with NACO	At present ART center is functional only at the state government hospital. NACO will provided drugs, training and testing kits. Space would be provided by AIIMS, Nagpur.	Patient from nearby area have to travel long distance. They will be provided Counselling, testing and drugs free of cost with regular followup.	Salary of SMO, Counselors and Lab Technicians. Approximately 20Lac/year	Space has been identified at present. Later on when patient load increases extra space of about 2000Sqfeet will be required.

RADIATION ONCOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Second LA	Procurement through HITES	Cater more patients	180000000INR(DRP)	-
2	Safety cabinet For chemotherapy	GEM/Direct procurement	Environment and staff safety	200000 INR	-

ENT

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Fellowship in Head and Neck Oncology, Rhinology, Otology	Academic post graduate fellowship course	Head and Neck Surgery Unit, Clinical Trials, Tumor Board, Endoscopic and Minimally Invasive head & Neck Surgery, Skull base surgery	5,00,000 Rs Per year	4 Examination rooms (approx. size of 15'x15') for fellow students. 20 Beded Male and Female ward, Seminar room (Seating capacity of 30-50), Dedicated OT (No.2)
2	Bachelor and Master course in Audiology Speech Language Pathology	Academic graduate Course with complete faculty in Audiology and Speech Language Pathology	Audiology department with sate of the Art diagnostic and rehabilitative facilities Auditory-verbal therapy for children		2 Examination rooms (approx. size of 15'x15') for Graduate and Post graduate students
3	Laser surgery in Otolaryngology	Academic post graduate short term course	Laser assisted oral and oropharyngeal laryngeal surgeries, Laser assisted ear surgery, laser assisted microlaryngeal surgery	5,00,000 Rs Per year	NIL

HOSPITAL ADMINISTRATION

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Enhance Bed Management services by implementing digital solutions for bed management system	Implement Digital solutions such as AI technology for bed management system.	Improved resource utilization	*10-15 Lakhs	
2	Implement digital solutions for NABH data capturing for Quality indicators	Deploy digital tools Capturing Quality indicators	Improved patient safety	*10 Lakhs	

MEDICAL BIOTECHNOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	To start the UG and PG Course in Medical Biotechnology	For this, we will prepare the course curriculum, syllabus and complete prospectus of the course.	Chance to launch a lucrative career in medical research and diagnostics. Its introduction aimed to equip students with the most recent advancements in this cutting-edge science as well as knowledge and abilities.	Approx 2-3 crore is required to develop the classrooms and library including meeting room and seminar/conference hall.	Approx 6000-10000 sq ft land is required to develop the departmental building including classrooms and laboratories.

MEDICAL GASTROENTEROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Basic Endoscopy(gastroscopy, colonoscopy, capsule endoscopy) services	Procurement through HITES/GeM	Diagnostic Endoscopy services	1 Crore	Endoscopy Room
2.	Advanced Endoscopy Services (ERCP, EUS)	Procurement through HITES/GeM	Therapeutic Endoscopy services	4 Crore	Endoscopy Room
3.	Fibroscan	Procurement through HITES	Diagnostic Hepatology services	2.8 Crore	OPD
4.	IPD Services	To start IPD services male and female	IPD services for patients requiring specialized care	None	Ward
5.	Liver ICU	Procurement through GeM	Intensive care for hepatology, post-transplant patients	3. Crore	ICU – 6 Beds
6.	Speciality OPD	Designated Days for hepatology, pancreatic, IBD clinics, transplant clinic	Specialised OPD Care	None	OPD

NEUROSURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Infrastructure and equipment	• Upgrade existing infrastructure with state-of-the-art equipment such as neuro-navigation, robotic surgical systems, 3D stereotactic system, cranial & spinal endoscopy, 3D – C arm navigated spinal instrumentation system, Neuro DSA lab etc. • Implement advanced technology to enhance surgical precision and patient outcomes. • Provide comprehensive training for existing paramedical staff and recruit new staff as needed. • Facilitate skill development programs/ skill lab for faculty and students in various aspects of neurosurgery. • Audio-visual enabled seminar room /lecture hall	• Delivering the world class health care facilities to the neurosurgical patients of central India • Reduced morbidity and mortality following surgical procedures • Enhanced learning opportunities for medical and paramedical staffs • Dual train neurosurgeons	Rs 50,00,00,000/-	5000 square feet

NEONATOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	To Expand our NICU from 16 to 25 bedded	Will increase beds along with required equipment with all level of care	To scale up existing NICU services	Approx. 5 crores	Within existing NICU
2.	To establish Comprehensive lactation Management center	Establish state of Art milk bank	To provide round the clock lactation support and management services	Approx. 1 crore	350 square meters
3.	To establish Neonatal surgical operation Theatre in NICU	Will establish NSOT within NICU area	To provide safe surgical and post surgical care for neonates	Approx 70 Lakh	Within existing NICU

NEPHROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Renal and Transplant Immunology Laboratory	Procurement through HLL / Tender	State of Art Transplant Immunology testing (HLA Typing, Single Antigen Bead testing,PRA, ABO antibody testing, CDC Cross match)	2.7Cr (Approved CSR Fund by WCL)	Space allotted in IPD building of AIIMS Nagpur
2	Expansion of Critical Care Dialysis services	Procurement of 2 state of the art CRRT Machines through GeM / Tender	Enhance critical care/ICU dialysis infrastructure	65 Lakhs	None
3	Establishment of Peritoneal Dialysis Program	Procurement of 2 Automated PD cyclers through GeM / Tender and training of Nursing officers and Dialysis technicians in Peritoneal dialysis	Establishment of Peritoneal dialysis program fostering CAPD Training of Nursing officers, Dialysis technicians and Residents in Peritoneal Dialysis	20Lakhs	None

ENDOCRINOLOGY AND METABOLISM

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Bone Mineral Density	NOA came and site readiness certificate has been issued	DXA Scan	DPR equipment	Room allotted in the Dept. of Rdiology

PEDIATRIC SURGERY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Infrastructure and equipment	• Upgrade existing infrastructure with state-of-the-art equipment such as 3-D laparoscopy systems, robotic surgical systems, pediatric endoscopy (including gastrointestinal neuro-endoscopes, upper and lower airway endoscopes), urodynamic lab etc. • Implement advanced technology to enhance surgical precision and patient outcomes. • Provide comprehensive training for existing paramedical staff and recruit new staff as needed. • Facilitate skill development programs for faculty and students in various aspects of pediatric surgery.	• Delivering the world class health care facilities to the pediatric surgical patients of central India • Reduced morbidity and mortality following surgical procedures • Enhanced learning opportunities for medical and paramedical staffs	Rs 1,50,00,000/-	None

PHYSICAL MEDICINE AND REHABILITATION

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Prosthetic manufacturing unit- (Artificial Limb center)	We have equipped manpower and area. The equipment procurement is ongoing will be completed by 2024.	Consumables are required for Prosthetic manufacturing	30 lakh/ year	Nil
2	Advanced Robotic Rehabilitation system	Procurement through GeM custom Bid	Files already under procurement process	5 Crore	Nil

NUCLEAR MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Infrastructure and equipment	• SPECT-CT machine is under installation procured from HITES for clinical services like bone scan, thyroid scan, DTPA scan. Another 68Gallium generator is under procurement • Implement appropriate methods to improve patient/scan outcome. • Provide comprehensive training for paramedical staff and newer staff • Facilitate skill development of faculty, students and other staff.	• Delivering standard health care to nuclear medicine patients • Improve quality of life of the patients	Around 15 crores	Already allocated

RADIODIAGNOSIS

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Digital Radiography & fluoroscopy	Procurement through tendering process	Improve patient care, student learning and research.	As per the actual cost of equipment	-
2	Picture Archiving and communication system (PACS)	Procurement through tendering.	Automation of reporting, dispatch and image storage	3.24 Cr.	-

SURGICAL GASTROENTEROLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Establish advanced laparoscopic and robotic surgery center	Upgrade existing infrastructure with state-of-the-art equipment such as 3-D laparoscopy systems, robotic surgical systems, endoscopy, choledochoscope Implement advanced technology to enhance surgical precision and patient outcomes.	Delivering the world class health care facilities to the surgical gastroenterology patients of central India Reduced morbidity and mortality following surgical procedures Enhanced learning opportunities for medical and paramedical staffs	Rs 10,00,00,000/-	None
2	Establish Liver Transplant Program	Procurement of equipment essential for setting up the liver transplant program through GEM and HLL. This includes	Low cost liver transplant facilities for central India	Rs 5,00,00,000/-	None

SKILL LAB

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Advanced Skill lab with courses at AIIMS Nagpur- Various task trainer, Human patient Simulator, Comprehensive Examination cardiovascular Simulator, Comprehensive Examination chest & lung Simulator, Wireless Pediatrics Simulator, Full body pregnancy Simulator, Difficult Airway Simulator for UG, PG, Faculty and practitioners and others skills as identified by BOS members	Identification of Basic clinical skills of all specialties by expert, Develop modules Use available mannekins effectively	Equitable availability of training facilities/skills at AIIMS Nagpur	15 Cr Fees to be collected from participates from various courses	6th floor, Medical college Building, AIIMS Nagpur

PULMONARY MEDICINE

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Plan to acquire Video bronchoscope, Endobronchial ultrasound machine, Semirigid pleurovideoscope	Acquire through HITES/GeM/GTE	Advanced bronchoscopy services	3 Cr	Bronchoscopy suit
2	Sleep study services (polysomnography) to start in next 2 months. Plan to start speciality OPDs for ILD and airway diseases in next 6 months	Through advertisement after approval of ED sir and DDA	OPD/IPD care	Nil	Existing department space is enough

SURGICAL ONCOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	OPD Rooms – 2, Minor OT – 1, Male Ward Bed – 8, Female Ward Bed – 10, Post Operative Ward Bed-2, Private Ward Bed – 2, ICU Ward Bed – 4, OT Table–2 (All Days in Week)	--	More Number of Cancer Patients can be Treated More Number of Cancer Patients can be Treated Wating Period will come down	As Per Rule	Designated space to be allocated.

TRANSFUSION MEDICINE AND BLOOD CENTER

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Nucleic Acid Amplification Testing of Blood Products	By using ID-NAT platform	NAT Lab for Screening of all blood products to improve patient safety and prevent HIV, Hepatitis B and C	3.5 Crores	Room has been allocated for NAT testing Laboratory
2	Irradiation of Blood Products	By using gamma Irradiator procured from BARC	Gamma Irradiator Machine	35 Lakhs	Room has been allocated for Gamma Irradiator
3	Thromboelastography	By using Global Coagulation Testing Platform	Goal Directed Transfusion Support	25 Lakhs	Laboratory Set Up avaialble
4	Automated Immunohematology Platform	For using various Immunohematology Tests, Compatibility testing		75 Lakhs	

UROLOGY AND RENAL TRANSPLANT

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Infrastructure and equipment	Strating Robotic Urology services. Starting the ESWL and urodynamic services. Implement advanced technology to enhance surgical precision and patient outcomes. Provide comprehensive training for existing paramedical staff and recruit new staff as needed. Facilitate skill development programs for faculty and students in various aspects of urology.	Delivering the world class health care facilities to the patients of central India. Reduced morbidity and mortality following surgical procedures Enhanced learning opportunities for medical and paramedical staffs	Rs 55,00,00,000/-	Dedicated OT for Robotic services. Space allocation for ESWL – 600 Sq Ft. Space allocation for urodynamic system – 600 sq ft.

PSYCHIATRY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	High-definition total direct current stimulation (HD tDCS) machine	Will be procured through GeM	Treatment for a variety of psychiatric illnesses and research	30 lacs INR	Treatment room: 200 sq ft
2	Ultra brief pulse electroconvulsive therapy (ECT) machine	Will be procured through GeM	Treatment of severe mental illnesses	90 lacs INR	Treatment room and recovery: 400 sq ft
3	Dedicated psychiatry ward with daycare 20 beds	Proposed to ED, awaiting the approval. Can be accommodated in existing infrastructure of the hospital with minor modifcations	Sophisticated and individualised management with optimally trained nursing and paramedical staff	10 lacs INR	5000 sq feet

TRAUMA AND EMERGENCY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Trauma OT	24 X 7 working	Total Number of cases done. Number of major cases done. Number of minor cases done	Salary to nursing officers, MTS, Housekeeping staff etc.	Nil
2	ABG Machine	Point of care testing device	No of tests done. No of tests in cartridge wasted. Down time. Operational errors frequency	Measuring cartridge and 2 washing cartridge per month totaling to 6 lakhs per month.Each test is sold at Rs.100 per test totaling to Rs 75,000 per month	Room for point of care testing lab to be allotted
3	Ventilator	Invasive and noninvasive ventilation can be provided	No of working hours. Down time	CMC as per the contract for Hamilton ventilators. Ventilator trolley being purchased through custom bid costing Rs 6 lakhs.	Equipment room is required to be allotted
4	X ray Room	Mobile Digital Xray Machine with bucky table working 24 X 7. With printing devices for films	Number of X rays done in X ray room. No of working hours. No of portable X rays. Time to obtaining X ray films	a.Lead lining of the Xray room Price as per contract/ Rs 4 lakhs	Room allotted
5	C arm	For use in Trauma OT	Utilization rate. Down time	Awaiting installation	Nil
6	Laparoscopy Unit	Diagnostic and therapeutic	No of case done. Utilization rate. Downtime	Carbon dioxide cylinder Cost Rs 20,000 per cylinder Maintenance technician salary Rs 15,000 per monthRe	Room for storing the unit
7	Bronchoscopy Unit	Intervention to maintain patent airway	a. Utilization rate b. Down time	In initial stages of procurement technical evaluation on going	Bronchoscopy room to be allotted
8	Point of care Ultra sound	Ultrasound to be used as an extension of clinical examination aiding in resuscitation and Interventions	a. Utilization rate b. Downtime	Technical evaluation ongoing	Roon to be alloted

CARDIOLOGY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Cath lab	Through GeM or e-tender	To expand the services for patients For better procedural outcomes in patients	10 crore	2000 sq feet
2	IVUS			1 crore	NIL
3	OCT			1 crore	NIL
4	IABP			70 lakhs	NIL
5	IVL			70 lakhs	

RESEARCH CELL

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Online proposal management system (integrated system for research cell and IEC)	Procurement of the software following institutional rules. Quotations will be invited and vendors will go through a competitive bidding process	The number of research protocols received, reviewed and approved and their timestamps to ensure accountability.	50 lakhs for 10 years @5 lakhs annual subscription	None
2	Financial management System	Procurement of the software following institutional rules. Quotations will be invited and vendors will go through a competitive bidding process	The number of funded projects (intramural and extra mural) facilitated and audited	Rs. 25 lakhs for 10 years	
3	Statistical softwares (SPSS, Stata, Atlas Ti). With the increasing number of research projects undertaken in the institute it is imperative to have copyrighted statistical softwares for both quantitative (SPSS, Stata) and Qualitative (Atlas Ti) data analysis.	Procurement of the software following institutional rules. Quotations will be invited and vendors will go through a competitive bidding process	Use of institutional software for data analysis and publication of manuscripts	10 licenses of SPSS, STATA and Atlas Ti (~50 lakhs)	None
4	*Plagiarism software:* Every protocol, PG thesis and manuscript from the institute will be screened for plagiarism. This will mitigate scientific misconduct within the institute	Procurement of the software following institutional rules. Quotations will be invited and vendors will go through a competitive bidding process	Number of protocols, PG thesis and manuscripts that underwent plagiarism check	Approx. 10 lakhs per year (Rs. 1 cr for 10 years)	None
5	Remote access for literature	This will facilitate continued learning within and outside the institution, thereby improving knowledge and evidence based practices for patient care provision.	Number of users utilising the data bases	Approx 5 lakhs annually (Rs.50 lakhs for 10 years)	

DENTISTRY

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Extension of existing OPD	To procure 03 More Dental Chairs	To Install in existing OPD	1 Cr	-
2	Extension of OPD with additional area	Reception area opposite to existing OPD	To Install additional 6-10 Dental Chairs	2.5 Cr	Existing area in the 4th floor
3	Procurement of equipment's /instruments	GeM. Procurement	-	10 Cr.	-
4	CBCT machine	GeM. Procurement	-	1.2 Cr	A room of 350 Sqft.

LEARNING RESOURCE CENTER

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Computer Center	For digital library, online resources, project work, presentations etc.	UG, PG and other students will avail this facility.	--	--
2	Digital Library/ Institutional Repository	Installation of digital library software, maintenance of Digital Library, collection & upload of faculty/ institutional publications etc.	usefull for all the students, SR and faculty members.	--	--
3	Procurement of Books	Procurement of new books	For all the Library users	--	--
4	Subscription of Database and Journals (Clinical Key, Cochrane Library, Scopus, Embase, Science direct, web of science, etc..	Approval, quotations, subscription, distribution, reports, support etc.	For all the Library users	--	--
5	Discovery Services	Searching of all the library resources through a single window search, an intigrated platform of all the resources.	this facility will enhance the searching criteria of the users.	--	--
6	Beautification of Library	posters, statue, sinages, display board etc.	Beautification of Library is required for to create a healthy academic environment.	--	--
7	Set-up of Departmental Libraries	All department will have their own small library at their department.	Departments	--	--
8	Development of Library Website	Library website creation, management and maintenance of the same	separate library website is required for the outreach of the library resources.	--	--

NURSING COLLEGE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	Setting up the College of Nursing, lecture halls, labs, Library and faculty spaces	Furniture Teaching equipment	Adequate and comfortable seating in lecture halls, labs, library and faculty spaces Durable and technologically advanced teaching equipment	₹ 8,00,000	NIL
2		Lab equipment for 5 nursing college labs	Well-equipped nursing labs with adequate equipment for all learning activities	Nil	Nil
3		Library	Nursing library with good collection of text and reference books, and E-resources	₹ 5, 00,000	
4		Skill trainers and mannequins	Durable and technologically advanced equipment for comprehensive skill training	₹ 10, 00,000	

STUDENT WELFARE

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Music Club: Mike system and Music instruments	As per GFR	Enhancement of recreation facilities	Rs. 15 lakhs	---
3	IT and Web: Institutional subscriptions for photography and video-editing software	As per GFR	Enhancement of facilities and learning opportunities	Rs. 1 lakh	--
4	Sports: 4 Badminton courts	As per GFR	Enhancement of recreation facilities Conduct of inter-collegiate competitions at National level	Rs. 1 crore	As per norms
5	Sports: 2 Lawn Tennis courts			Rs. 1 crore	
6	Sports: 1 Volleyball court			Rs. 2 lakhs	
7	Arts: 'Art speaks the Mind' wall	Theme driven strategy	Cultural awareness, values	Rs. 1 lakh / year	
8	Mess: New dining hall	As per GFR	Better dining facilities, increase in seating capacity to accommodate increasing number of students on campus		As per norms
9	Literary and Research: TED talk platform	Procurement of TED talk license	Better opportunities for faculty and students		

ORTHOPEDICS

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1.	Expansion of OPD	Additional consultation rooms (min. 2) to be allotted to Orthopedics	Lesser waiting time for the patients and justifiable consultation time for each patient. Currently average OPD attendance is 300 per day.	Nil	Nil

ANESTHESIOLOGY & CRITICAL CARE

Sr. No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1		Post Anaesthesia Care Unit	Ability to handle higher patient load postoperatively	Equipment and furniture required already in procurement	None
2		HMIS in PAC and OT	Seamless documentation		None
3		Chronic Pain OPD	Advanced pain services		None

ENGINEERNG DEPARTMENT

S/N	Type of Civil Infrastructure Required in next 10 years	Details of the Civil Infrastructure (e.g. Number of Flats /Hostel Rooms / Lecture Theatres etc.)
1	Additional 50 acres of land from Maharashtra Government	For construction of Emergency and Trauma Centre, Super specialty block, Mother and Child care Centre and Helipad.
2	Type II quarters	2 Blocks (Total 108 Flats, G+8)
3	UG Male & UG Female Hostels	124 Rooms and amenity rooms in UG Male Hostel (G+12), 80 Rooms and amenity room in UG Female (G+5) Hostel
4	Mortuary Extension	G+1
5	Dining Hall	G+4 Building
6	Provision of Ramp in IPD building	Ramp for IPD building (2 locations)
7	Super speciality Building	G+13 (600 bed)
8	Trauma, Emergency and Critical Care Block	G+7 (300 bed)
9	Residential Area Parking Provision	4000 sqm area

HOSTEL

Sr. No	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Purchase of Hostel Furniture and Consumable items	To Replace the existing unserviceable, condemn furnture, chairs, Mattress, Curtains etc.	Approx. 1000 Beds	5 Cr	Not Applicable
2	Purchase of Electrical and Electronics and Electronics Items	To Replace the existing unserviceable, condem electrical items, washing machines, RO Units, Water Coolers Electrical Geysers, Electrical items	As per requirements against Unserviceable items	5 Cr	Not Applicable
3	Construction of Bicycle and Two Wheelers parking area	To Construct Bicycle and Two Wheelers parking in open space in between the hostels	04 Units	5 Cr	5,000 sq. mtr (For 4 Units)
4	Renovation painting of Hostels	By Renovation Hostel facilities and painting to the hostel buidlings	As per Requirements against out of order facility and Rooms	10 Cr	Not applicable
5	Landscaping and Gardening Work	Landscaping and Gardening to Hostel Surroundings	Approx. 50,000/- sq. mtr. Area to be covered	5 Cr	Not Applicable
6	Installation of Solar Electrical Units 100 KW	Generate renewable electricity for power back up for the Hostels	Approx. 700 KW for 7 Nos. Hostel	10 Cr	Not Applicable