

**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	<b>After Approval:</b> 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	<b>After Approval:</b> 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)

# ORTHOPEDECS

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	<b>DM courses :</b> 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, Gynecopathology, 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		Rs. 18 lakh / year	-----
3	Fellowship Program in AWR	Procurement of necessary equipment		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 internship 18000INR/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	<ul style="list-style-type: none"> <li>• Fellowship in cosmetic surgery</li> <li>• Fellowship in Rhinoplasty</li> <li>• Fellowship in Lymphatic surgery</li> <li>• Fellowship in brachial plexus surgery</li> <li>• Fellowship in Hand transplant surgery</li> <li>• Fellowship in cosmetic laser surgeries</li> </ul>	<p>Develop a robust curriculum that covers various aspects of Fellowship courses.</p> <p>Offers hands on experience and Mentorship.</p>	<p>Increase in number of trained Burns and plastic surgery specialists</p> <p>Contribute to improved healthcare outcome for Burns and plastic surgery patients</p>	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		Developing trained Anesthesiologists in various subspecialties	Salaries of Senior residents	None
	DM Emergency Anaesthesia				
	DM Neuro Anaesthesia				
	Fellowship in neuro anaesthesia				
	Fellowship in Pain and Palliative Care				
	Fellowship in Regional Anaesthesia				
	Fellowship in Onco Anaesthesia				
	DM Critical Care				

## NEUROSURGERY

Sr.No.	Initiative	Methodology	Deliverables	Approx. financial implication	Land requirement
1	Educational Courses <ul style="list-style-type: none"> <li>• Fellowship in Neuro-oncosurgery</li> <li>• Fellowship in skull base surgery</li> <li>• Fellowship in cerebrovascular surgery</li> <li>• Fellowship in neuro-trauma</li> <li>• Fellowship in paediatric neurosurgery</li> <li>• Fellowship in neuro-endovascular surgery</li> </ul>	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 (Immunohematology)	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	<b>DM Courses in</b> - 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 certification 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	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. <b>Shared learning and larger perspectives</b> 8. <b>Learning objectives and student progress updated real-time and always accessible</b>	₹ 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	b) Eclectic teaching methods and tools		₹ 90,00,000	
3	Post Basic Diploma Residency program (10x10) 100 seats	c) Exhaustive clinical rotations, clinical learning activities and skill lab training		₹ 1,72,80,000	
4	PhD in Nursing 25 seats	d) Community outreach programmes (rural & urban), awareness programmes, family visits and support, health camps and exhibitions, school health activities		Nil	
5	2year Nurse practitioner Residency programmes in 4-5 specialties (5x5) 25 seats	e) Projects and internship		₹ 90,00,000	
		f) Mentorship and extracurricular programmes for students		~ ₹ 25,00,000	
		g) <b>Training partnership with premier institutes</b> h) <b>Learning and student management software</b>			
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	
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 Unresectable 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	<ul style="list-style-type: none"> <li>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.</li> <li>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</li> </ul>	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	<ul style="list-style-type: none"> <li>Formulation of specific objectives</li> <li>Identification of funding agency</li> </ul>	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	<ul style="list-style-type: none"> <li>Identify key areas of interest and need within the local context for research focus.</li> <li>Design and execute research projects focused on conditions prevalent in the region.</li> <li>Establish partnerships with other institutions for collaborative research efforts.</li> <li>Encourage student participation through research projects, seminars, and workshops.</li> </ul>	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 <b>balancing the psychosocial and financial toxicities, and return in outcome.</b>	Inter-institutional	Multicentric studies	10,00,000 INR (Funding request)	NIL
2	Participate in international collaborative studies.				
3	Performance studies for <b>indigenous radiotherapy machines through District Cancer Control Program.</b> (Close the care gaps- understand the barriers and resolve)	Multicentric In collaboration with local government medical colleges	<b>Promote indigenous technology-</b> (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

## ORTHOPEDECS

Sr.No	Initiative	Methodology	Deliverables	Approx financial implication	Land requirement
1	MoU with centers of repute for short term visit for 3 <sup>rd</sup> 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-specialties 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 24x7	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-anaesthesia 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 <b>(5-8/year)</b>	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 <b>(10-15/year)</b>	Research methodology training, Stepwise Guidance Publication guidance		Grants for UG & PG students - Nil	
4.	PG Individual Dissertations <b>(25/year)</b>				
5.	PhD projects <b>(25/year)</b>			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	Initiative	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	<ul style="list-style-type: none"> <li>Accurate reporting of routine parameters, hormones, vitamins, drugs, toxins etc within short turn around time.</li> <li>Accreditation of the laboratory as per the standard guidelines.</li> <li>All deliverables mentioned in B.7</li> </ul>	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 Therapy	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		<ul style="list-style-type: none"> <li>Training</li> <li>Research</li> </ul>	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	<p>In-patient services for short-term (2-3 days) in-patient care</p> <p>Emergency care for common emergencies</p>	<b>Approximately 25 crores</b>	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 subspecialties 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 (Respmid/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 ,zeiss 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	<ul style="list-style-type: none"> <li>• Special Burns and Plastic surgery superspeciality 5 story building with state of art facilities.</li> <li>• State of art Burn surgery center on separate land. Separate 3 story building with skin bank.</li> <li>• Land requirement is 10 acres approx.</li> </ul>

## 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 As per the final plan of Center for Oral Health and research.	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			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 24x7	ICU and changing and rest rooms for on duty doctors and nursing staff.
2.	Neuro - ICU	Neuroscience care with involvement of department of Neurology, Neuroanaesthesia 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-anaesthesia 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 Lasers for 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	Procurement of Aldriven 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-biliary 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	<ul style="list-style-type: none"> <li>Advanced level of care</li> <li>Referral to far away higher centers will be avoided with antecedent benefits to parents</li> <li>Referrals from other centers</li> <li>Fellowship programs</li> <li>Opportunities for research</li> </ul>	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 <b>center of Excellence</b> 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	<ul style="list-style-type: none"> <li>Dedicated comprehensive care in gastroenterology and establish a regional center of excellence</li> </ul>	Approx 30-40 crores	Part of Super specialty block of AIIMS Nagpur
2	Establish Liver, Pancreas and Intestinal Transplant Center	Create a <b>center of Excellence</b> 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	<ul style="list-style-type: none"> <li>Dedicated comprehensive transplant care establishing a regional center of excellence</li> <li>Start Pancreas and Intestinal transplant in Central India</li> </ul>	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.	<ol style="list-style-type: none"> <li>If institute will have own installation, we will not depend on vendor.</li> <li>AMC charges will be saved.</li> </ol>	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 emergent critical 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 area 15940.80 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 9(behind 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	Type 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-III , 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, wroksshops 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 strengthen 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 Culcultural 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 Replacce 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  <ul style="list-style-type: none"> <li>•4 lecture halls with 100 seating capacity,</li> <li>•5-8 seminar halls of 500 sq feet</li> <li>•15 – 20 faculty rooms 300 sq ft,</li> <li>•Additional rooms for storage and office, and</li> <li>•multipurpose hall (350 seating)</li> </ul> <p>*Library hall additional with 100 seating</p>
		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		