

SVIMS DEPARTMENT WISE

STRATEGIC ACTION PLANS FROM 2024 TO 2039

(2024 – 2029 , 2029 – 2034, 2034 2039)

***(PLEASE REFER TO SVIMS ANNUAL REPORT 2022
FOR FURTHER DETAILS OF EACH DEPARTMENT)***

DEPARTMENT OF ANAESTHESIOLOGY AND CRITICAL CARE

Vision:

- To be a center par excellence in academics, research and practice in the field of Anesthesiology, Critical Care and Pain Medicine.

Mission:

- **Excel in Medical Training:** To provide the best academic environment to train the next generation of anesthesiologists, intensivists and pain specialists and use newer established technology like skill lab to achieve the same.
- To provide state-of-the-art evidence-based **multi-modal pain management** services to patients suffering from acute, chronic non-cancer and cancer pain.
- Excellence in **Research:** To promote research in anesthesia, critical care, and pain medicine to advance patient care.
- To start a **national Code Blue registry**

Doing more of the same is no longer enough

- **By the year 2024, we plan to provide pain and critical care services to all areas of SVIMS**
- A Surgical ICU for perioperative care
- A 24 X 7 Acute pain service team
- A pain clinic to deal with all chronic pain in collaboration with department of interventional radiology, physiotherapy, psychological and palliative care to manage pain. The team's major focus would be to find out the root cause of pain and how to bring about the speedy recovery of the patient.
- A 24X 7 labor analgesia unit in collaboration with OBG department

By the year 2025, we plan to provide state of the art Skills Lab — Training in the following area at SVIMS

- Airway Management and Trauma Skills
- LMA and Supraglottic Device Insertion
- Vascular Access
- Oral and Nasal Intubation

- Chest Tube Insertion
- Percutaneous Tracheostomy
- Cardio Pulmonary Resuscitation
- Needle & Surgical Cricothyroidotomy
- Insertion & Confirmation of Double Lumen Tube
- Insertion & Confirmation of Bronchial Blockers
- Simulation Of Emergency Scenarios
- USG needling skills
- Lung dynamics to understand mechanical ventilation

By the year 2026, we plan to provide anesthesia services for another 10 additional areas which includes:

- Three Joint replacement Orthopaedic Operation Theatres
- Three Day care OT
- Two Trauma OT
- A dedicated transplant anesthesia unit with a dedicated OT

By the year 2027, we plan to add on the following academic curriculum to our department. Need additional Tutorial rooms, state of art departmental library and collaboration with western universities for student / faculty exchange program

- DM in Cardiac Anesthesia (3 years) - 2 candidate per year
- DM in Neuro-Anesthesia (3 years) - 2 candidate per year
- DM in critical Care (3 years) - 2 candidate per year
- DM in Pain management (3 years)- 1 candidate per year
- **By the year 2028, we plan to add on the following academic curriculum to our department**
 - Two Robotic surgery Unit with necessary equipment
 - Two Paediatric Surgery Unit with necessary equipment
 - Taking up Basic science research program in collaboration with IISER and IIT and with necessary equipment for research, additional faculty rooms with space for research in Basic sciences

DEPARTMENT OF BIOCHEMISTRY

STRATEGIC PLAN: NEXT 15 YEARS

Mission statement 2024 – 2034

- To serve as a Centre of Excellence in clinical laboratory services, medical education and research.
- To offer high quality, and accurate testing with rapid and reliable results.
- To prepare highly competent medical laboratory professionals to demonstrate utmost clinical and technical competence in serving the patients and laboratory profession.
- To demonstrate highest ethical and moral standards
- To provide exemplary educational resources and prepare competent clinical laboratory professionals with knowledge and professional attitudes adhering to international standards in conducting scientific research and serving the community.

STRENGTH

- **Qualified, sincere and dedicated faculty and staff**
- **Scope of services in-line with clinical services provided**
- **State of the art equipment**
- **Best QC practices**
- **Major contributors to revenue of institute**
- **Micro-initiatives to decrease errors in lab reporting**

WEAKNESS

- **Limited floor space limiting expansion plans**
- **Mismatch between workload and job responsibilities affecting microteaching initiatives and student mentoring (Teacher: student ratio 75:1)**
- **Communication gaps**

OPPORTUNITIES

- **Expansion of test menu**
- **To start toxicology lab**

- **New born screening for inborn errors**
- **EQAS centre**
- **Seek extramural funds for research and development**

THREATS

- **Delay in supplies of reagents/kits**
- **Decline in quality due to poor maintenance of Equipment /breakdown**
- **Employee dissatisfaction: can lead to employee attrition due to long gaps in regular staff recruitment**
- **Use of cell phones in work areas**

STRATEGIC PLAN 2024-2029

CLINICAL

1. Expanding scope of services
2. Reintroducing serum protein electrophoresis, immunofixation
3. Introducing new investigations Urine/Serum myoglobin, serum haptoglobin, Serum light chain analysis
4. **Introducing new wing of screening for renal stone analysis and inborn errors of metabolism**

ACADEMIC

1. Seeking feedback from stakeholders on the existing teaching methods and develop an action plan for improvisation
2. Introducing novel teaching-learning methods in line with the CBME curriculum for UG and PG

RESEARCH

1. Quality research proposals for the post-graduate and PhD thesis
2. Motivating and creating opportunities for faculty research proposals through **intramural funding**
3. Publishing the outcome of the research work in high impact Pubmed/Scopus-indexed journals with a target of **at least 1 publication per faculty per annum 2024 -2029**

- To expand scope of biomarkers in urine
- Start lab for identification of haemoglobinopathies and inborn errors of metabolism.

- Study the molecular markers for cancer detection.

STRATEGIC PLAN 2029-2034

Improving and sustaining the quality of the work done

CLINICAL

1. Introducing new wing of **toxicology**
2. Bench work for plan to establish as **EQAS provider**

ACADEMIC

1. Introducing **credit based curriculum** on patient safety, quality control and Laboratory accreditation for medical and paramedical students.
2. **Faculty development:** Empower faculty with the necessary tools and techniques for conduct of workshops on innovations in teaching-learning, assessment and curriculum designing at the institute level and at the state level by enrolling in specific programs to advance their teaching and pedagogical skills.

RESEARCH

1. Ensuring novel research proposals from all faculty in each 5 year block through **extramural funding**
2. **Faculty development:** Empower faculty with the necessary tools and techniques for conduct of workshops on research methodology at the institute level and at the state level

STRATEGIC PLAN 2034-2039

Improving and sustaining the quality of the work done

CLINICAL

1. Introducing new wing of **molecular diagnostics**
2. Establishing central laboratory
3. Implement **total laboratory automation**

ACADEMIC

Faculty to be resource persons for medical education if institute is identified as a nodal centre

RESEARCH

Identify suitable opportunities for **translational research** in collaborations with the department of Bioinformatics and other clinical departments

Community outreach

- To be centre for prenatal and **new born screening for inborn errors free of cost for the needy**
- To conduct **free camps** for screening of school children for anemia, renal disorders
- To be **centre for training** in quality control, medical education and accreditation for medical, paramedical students in- and around Tirupati.

DEPARTMENT BIOINFORMATICS

Change in the outcome of healthcare using Bioinformatics

Objectives:

1. **Teaching** : M.Sc. (Bioinformatics) and Ph.D in Bioinformatics
2. **Training**:. Studentship and traineeship programmes for students of final semester M.Sc. Bioinformatics and for M.Sc. Bioinformatics completed students, respectively are being conducted as long term trainings since 2008. Workshops, National level seminars and guest lecturers are being conducted as short term trainings for the benefit of the students.
3. **Research**: Digital Health - Artificial intelligence applications in healthcare using big data and panomes (genome, proteome and transcriptome)

Clinical decision support system for personalized therapy for breast cancer by developing data-driven algorithm with deep learning technology

Clear measurable deliverables:

Deliverables	1 st Year	2 nd Year	3 rd Year	4 th Year
Collection of patient information, mammographs and histopathological slides of cancerous, benign and healthy individuals from pathology and radiology				

department to develop image databases				
Technology/software development to find patterns for breast cancer subtypes				
Correlate the pattern expression profiles of breast Cancer subtypes with gene				
CDSS and propose efficacious drugs development against breast cancer subtypes and Building causal models for CDSS				

The Expected Outcome

The software will be installed in mammogram machine to predict patterns and correlated with clinical data for early diagnostics and to suggest therapeutics against breast cancer subtypes of Indian population.

Budget requirements for 4 years

S.No.	Category	Amount in Rs	Total amount
1.	Staff (2 SRFs)	9.0 Lakhs	36.0 lakhs
2.	Recurring Consumables	20.0	80.0
3.	Non recurring equipment	3.0	12.0
4.	Travel	1.0	4.0
5.	Contingency	3.0	12.0
	Total	36.0	144.0

Work done for communicable diseases

We identified drug targets, vaccine candidates and designed inhibitors against diseases such as leptospirosis (Umamaheswari et al., 2008, Rakesh et al., 2009, Umamaheswari

et al., 2010a, 2010b, 2010c, Umamaheswari et al., 2011, Pradhan et al., 2013, Pradhan et al., 2014), infective endocarditis (Priyadarshini et al., 2011a, 2011b, Priyadarshini et al., 2013a, 2013b, 2013c, Priyadarshini et al., 2014), bacterial meningitis (Munikumar et al., 2012, Munikumar et al., 2013a, 2013b), atherosclerosis (Hema et al., 2015a, 2015b), gastritis (Chiranjeevi et al., 2016, 2018a, 2018b), tuberculosis (Madhulitha et al., 2019).

Clear measurable deliverables:

Deliverables	2024-29	2029-33	2033-38
Procurement of identified inhibitors and synthesis of novel inhibitors			
Collection of pathogens from SVIMS			
To determine MIC & MBC against pathogens			
Clone, express and purify target proteins for characterization			
X-ray crystallography of target-inhibitor			

The Expected Outcome

- Novel drugs will be developed to the pathogens and to overcome multi drug resistance.

Budget requirements for 4 years

S.No.	Category	Amount in Rs	Total amount
1.	Staff (2 SRFs)	9.0 lakhs	36.0 lakhs
2.	Recurring Consumables	10.0	40.0
3.	Non recurring equipment	3.0	12.0
4.	Travel	1.0	4.0
5.	Contingency	3.0	12.0
	Total	26.0	104.0

Work done for Non-communicable diseases

Inhibitors were designed for cancer proliferation (Sandeep et al., 2012, Sandeep et al., 2015, 2016), and matrix metalloproteinases in metastatic breast cancer (Sudheer et al., 2016, 2017, 2019).

Clear measurable deliverables:

Deliverables	2024 - 2029	202 9- 203 3	2033 - 2038
Validation of identified targets in clinical cohort collected to develop the better diagnostic approach towards individualized treatment modalities in present scenario.			
Functional characterization of altered genes/proteins to disseminate the signaling networks they follow playing a role in pathophysiology of breast cancer.			
Establishment of marker signatures for stratification of breast cancer in Indian population.			
<i>In silico</i> inhibitors design for breast cancer targets and validation by, <i>in vitro</i> and <i>in vivo</i> studies.			

The Expected Outcome

Early stage diagnosis of breast cancer (In Indian populations), cost effective diagnostic kits and therapeutics will be developed.

Budget requirements for 4 years

S.No.	Catogary	Amount in Rs	Total amount
1.	Staff (2 SRFs)	9.0 lakhs	36.0 lakhs
2.	Recurring Consumables	10.0	40.0
3.	Non recurring equipment	3.0	12.0
4.	Travel	1.0	4.0
5.	Contingency	3.0	12.0
	Total	26.0	104.0

Requirements

Through these projects we also aim to train human resource for targeted and phenotypic drug discovery approaches which are scanty in the country, particularly in the case of communicable and non-communicable diseases.

Requirements	2024-2029	2029-2033	2033-2038
Strengthening of faculty (2 Assistant professors) and research staff (2 Scientist / Research associate and 2 Research assistant) positions.			
Establishment of wet laboratory facilities.			
Exploring industrial collaborations for Pre-clinical and clinical trails			
Allocation of funds for patent filing and processing			

Output

The output of the Department from the inception is

Research publications: 97

Research presentations :213

Grants received : Rs. 2.8 cr (12 Research projects)

International travel grants: 6

National travel grant: 1

Best poster awards: 38

The centre also organized 8 National Seminars

7CME programs.

Future activities

- Identified common vaccine candidates of leptospirosis, infective endocarditis, bacterial meningitis, atherosclerosis, gastritis, tuberculosis will be evaluated by *in vitro* and *in vivo* studies.
- The proposed leads obtained from *in silico* studies of non-communicable and communicable diseases will be tested *in vitro* and *in vivo* studies.
- Further we are planning to develop sequence comparison tool for researchers and scientists working in this area for the benefit of mankind.
- To develop clinical decision support system (CDSS) for breast cancer, cervical cancer and coronary artery diseases.
- To identify common drug targets for Cervical cancer and Parkinson's disease by using transcriptome (GEO database).

- Developing e-learning modules on Bioinformatics.
- To organize training programs on various advanced topics of Bioinformatics

Requirements

- Strengthening of faculty and research staff positions
- Establishment of wet laboratory facilities
- Exploring industrial collaborations
- Allocation of funds for patent filing and processing

CLINICAL VIROLOGY

Additional Equipment required 2024 – 2029

Bio-fire film array equipment:- the instrument detects pathogen gene targets which is a rapid Real time PCR based system can identify 13 to 43 targets/pathogens from sample within 2 hours. This facility helps in identification of new emerging/re-emerging pathogens which are not being targeted by the routine lab tests.

Additional Equipment required

- **Sanger Sequencer facility:** is a target sequencing platform can be used for several applications such as

- (1) Targeting smaller genomic regions in a larger number of samples,
- (2) Sequencing of variable regions,
- (3) Validating results from next-generation sequencing (NGS) studies,
- (4) Verifying plasmid sequences, inserts, mutations,
- (5) HLA typing,
- (6) Genotyping of microsatellite markers, identifying single disease-causing genetic variants.
- (7) Identify novel mutations in pathogens.

Additional Equipment required

- **Next generation Sequencer facility (NGS):** is a Whole genome sequencing platform can be used for several applications such as

- 1) Rapidly sequence whole genomes
- 2) Utilize RNA sequencing (RNA-Seq) to discover novel RNA variants and splice sites, or quantify mRNAs for gene expression analysis
- 3) Analyze epigenetic factors such as genome-wide DNA methylation and DNA-protein interactions
- 4) Sequence cancer samples to study rare somatic variants, tumour sub clones, and more
- 5) Study the human microbiome
- 6) Identify novel pathogens

Additional Equipment required

Cell culture facility:- to study the interaction between cell and disease-causing agents like virus, to study the effect of drugs, to study the process of aging and also it is used to study triggers for ageing.

- Cancer Research
- Virus isolation
- Toxicity testing
- Vaccine production
- Genetically engineered protein
- Genetic Counselling
- Genetic Engineering
- Gene Therapy
- Drug Screening and Development
- Staff: Currently only two faculty ,Two scientists. Need additional staff
- Enhance utilization of services for diagnostic and research work by clinical departments.
- To start DM courses in clinical virology by 2025
- Currently all are project staff/Scientists funded by the ICMR-DHR.
- Recruitment of trained and experienced staff by 2025..

2024 – 2029 Establish SVIMS Institute of Virology

- Emerging and re-emerging viral infections are common. Facilities to identify

these pathogens are limited, currently in both Telugu states there is no such laboratory which can identify/isolate class-III & IV pathogens.

- We are sending any such samples to RC VDL, NIV, Pune. For further identification and characterization. It is not only time taking process also delaying the disease diagnosis.
- Therefore, there is wide opportunity and immediate need to upgrade this facility to BSL-III level.

STRATEGIC PLAN FOR NEXT 5 YEARS



Future Requirements



Man power: Faculty-2, Scientists-3, Technicians-3



Equipment's: LC/MS, Cryo Electron Microscope, Fume Hood, Vacuum Filtration Unit, Data loggers.



Cold Room Facility: Required for 4°C and -20°C

DEPARTMENT OF COMMUNITY MEDICINE

Action plan 2024 - 2029

The following initiatives and respective action plans from Department of Community Medicine is submitted as follows:

1. CENTRE FOR EPIDEMIOLOGY AND BIOSTATISTICS (CEB)

MISSION STATEMENT

The mission of the centre of Epidemiology and Biostatistics is to improve the public's health by advancing knowledge concerning the causes and prevention of disease and the promotion of health by training epidemiologists and health care personnel in epidemiological and Biostatistics principles.

GOALS OF THE CENTRE

- Provide the highest quality education in epidemiology and Biostatistics thus prepare the next generation of epidemiologists and Biostatisticians
- Advance the science of epidemiology and Biostatistics by developing new

methods and applications

- Use epidemiologic and Bio statistical methods to investigate the aetiology of disease in human populations
- Use epidemiologic and Bio statistical methods to evaluate health care delivery, prevention and health promotion programs
- Develop methodology for translating epidemiologic and Bio statistical research findings into clinical medicine
- Develop approaches for applying the findings of epidemiologic and Bio statistical research in the formulation of public policy and to participate in formulating and evaluating the effects of such policy.

ACTIVITIES

- Teaching and training in epidemiology and biostatistics for undergraduate, postgraduate and doctoral students and public health personnel
- Conduct workshops, CMEs in epidemiology and biostatistics
- Start courses in epidemiology and biostatistics
- Conduct and promote research in epidemiology and biostatistics
- Guidance for other departments in conducting epidemiological studies and research
- Take up research projects to evaluate health care delivery, prevention and health promotion programs
- Training, workshops and CMEs for clinical departments in clinical epidemiology and biostatistics
- Coordinate with health authorities in formulating and evaluating public health policies at district state and country level

BRANCHES

- General epidemiology
- Nutritional epidemiology
- Pharmaco epidemiology
- Clinical epidemiology
- Cancer epidemiology
- Translational epidemiology
- Innovative epidemiology
- Integrative epidemiology
- NCD epidemiology
- Preventive epidemiology

2. **ADULT IMMUNIZATION CENTRE**
3. **ANTI-RABIES CLINIC**
4. **Strengthening Health systems in Tirupati District**

COLLEGE OF NURSING

Strategic Plan for college of nursing

- The College of Nursing SVIMS is a centre for excellence in learning, teaching, research, health care and service to the community.
- Courses are B.Sc (N) ,M.Sc (N) ,post basic specialized nursing programme in Peritoneal dialysis and Hemodialysis
- The goal of the institution is to achieve global leadership of excellence in nursing education and research by prioritizing core values such as integrity, transparency, quality and team work, execution with passion and human touch and working towards national development.

2024 – 2034

- **Expansion of building with species laboratories**
- **To improve communication skills – need to establish English language skill training center with computer lab**
- **To provide extra curricular facility - yoga and music classes through external teacher for interested students**
- **Part time Ph.D programme in Nursing**
- **To start independent nurse practitioner course with stipend**
- **Expanding College Office with sufficient staff as per INC**
- **Regularization of Ad-hoc tutors**
- **Strengthening of laboratories i.e. Nursing Foundation lab, Community Health Nursing Lab, Nutrition Lab, Obstetrics & Gynaecology nursing lab, Computer Lab**
- **Financial assistance from the university to organize continuous nursing education programme**
- **Job description to all cadres of teaching faculty i.e. tutor to professor**

- **Establishing proper appraisal system for teaching faculty**

TO START PH.D IN NURSING 2024 - 2026

- Faculty available with Ph.D qualification : 10 with 10-15 years of PG teaching experience

- Clinical facility available

–SVIMS

–SPMC (W)

–SPWC(W) affiliated Community centers

- Demand : As per INC Ph.D qualification is desirable to be designated as Associate

Professor and Professor in Government as well as Private nursing colleges As per

UGC Norms Ph.D is mandatory to be an Associate Professor and Professor

2024 - 2029

- Upgrade Centralized Library
- Upgrade Centralized Simulation lab
- Recruitment of additional staff
- Expansion of College building and laboratories as per intake of students
- Part time Ph.D in nursing to generate additional revenue
- Separate skill lab in nursing college

DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY

Strengths

- ▶ Only Super specialty Institute in Andhra Pradesh.
- ▶ Doing majority of Aarogysri cases of Cardiovascular Thoracic cases in AP.
- ▶ Well established centre with more than 20,000 major and minor surgeries.

Action Plan

- ▶ Need to upgrade infrastructure for dedicated cardiac, vascular and thoracic theatres for provision of specialised care.

- ▶ Need to restart MCh CTVS courses with adequate faculty as per NMC norms.
- ▶ Faculty needed as an urgent basis 1 Professor, 2 Associate and 3 Assistant professors required along with Senior residents for adequate functioning of CT Surgery department.

Action Plan 2024 – 2029

- ▶ Conversion of all CT OTs to Modular OTs with laminar flow to make them complaint for Heart Lung Transplantation.
- ▶ Change of all electrical points and wires to be concealed type to prevent fire hazard in OT.
- ▶ Up gradation of oxygen and suction ports to newer version of DIN outputs in OT and CTRR.
- ▶ OT doors change to auto door closures as per standard recommendations for CT Surgery OT.

- ▶ All CTRR (ICU) Cots to be changed to newer version with motorised remote control.
- ▶ Atleast 10 Monitors in ICU to be changed to advanced invasive multipara monitors.
- ▶ Transesophageal echocardiography for CTOT for intraoperative findings and interventional procedures.

- ▶ Upgradation of temperature control of central AC for CTOT and CTRR with appropriate clean air maintenance.

- ▶ To ensure availability of major consumables for all heart surgeries.
- ▶ To procure essential additional sets of instruments for surgery.
- ▶ To procure ECHO machine for OT complex.
- ▶ To ensure newer equipments in department for Video assisted thoracic surgery, Minimal Access Cardiac Surgery, Aortic Aneurysm Surgery, Vascular interventions for artery and veins.
- ▶ To ensure regular training schedules for Faculty and staff on upgraded technology & equipments for best practice patient care.
- ▶ Faculty recruitment as per NMC Norm to have adequate Faculty and Nursing Staff

2024 -2034

- ▶ Dedicated centres of Cardiac, thoracic and vascular surgical units.
- ▶ Complex Aortic Surgeries.
- ▶ Minimally invasive cardiac surgery.
- ▶ Minimally invasive thoracic surgery.
- ▶ Advanced lung clinic with lung transplant.
- ▶ Adult heart transplant facilities.
- ▶ National and International Faculty for regular workshops and training to improve patient care.

DEPARTMENT OF DENTAL SURGERY **SVIMS – SPMCW**

ACTION PLAN – 2024 to 2029

Dentistry is a separate faculty by itself and is not a single department. It has nine speciality branches offering a wide range of treatment protocols. The present department was set up to meet the needs of Sri Padmavathi Medical College For Women as mandated by NMC guidelines and was set up as general dentistry department to impart dental education amongst medical college students. To elevate the department from students need to hospital need in full fledged form, Equipment and other materials to be procured, radiology services to be started and speciality doctors [at least three speciality doctors-endodontics, prosthodontics, orthodontics] need to be recruited [appointment of speciality faculty may be limited to senior resident level] to start almost all dental treatment protocols.

SPECIALITY TREATMENTS TO BE STARTED AND SPECIALISTS WITH CONCERNED MASTERS DEGREE REQUIRED 2024 - 2029

SL. NO	NAME OF THE SPECIALITY TREATMENT	CONCERNED SPECIALIST REQUIRED
1.	Root Canal Treatment	ENDODONTIST [MDS WITH ENDODONTICS AS SPECIALITY]
2.	Endodontic surgeries	
	Episectomies	
	Post and core	
	Fixed partial dentures	PROSTHODONTIST [MDS WITH PROSTHODONTICS AS SPECIALITY]
	Complete dentures	
	Cast partial dentures	
	Precision attachments	
	Jacket Crowns	
	Orthodontic Treatments	ORTHODONTIST [MDS WITH ORTHODONTICS AS SPECIALITY]

SL. NO	NAME OF THE EQUIPMENT
1.	Intra Oral Periapical machine with Radio vedio gram- to be stationed in the department
2.	Orthopantomogram [OPG]- to be stationed in radiology department
3.	Cone Beam CT- to be stationed in radiology department

DEPARTMENT OF RADIATION ONCOLOGY

Equipment's which are in the process of being procured by SVIMS for the department 2023 - 2025

- 1.Elekta Versa HD Linear Accelerator
- 2.4D-CT Simulator

Expansion programme as proposed under Balaji institute of oncology 2024 - 2029

- 1.Cyberknife
- 2.Tomotherapy
- 3.Cobalt 60 Brachytherapy
- 4.One more Linear Accelerator
- 5.IORT

2025 - 2029

- 1.Expanding brachytherapy procedures to soft tissues sarcomas, nasopharynx, lung, head & neck.

2. The Pain & Palliative care ward which was recently opened at SVIMS needs to be developed . Hospice care , home visits for patients who are terminally ill have to be developed.

3.Increase in staff for doctors , physicists and technologists.

2025 - 2029

Recruitment of radiation Oncologists

Recruitment of medical physicists

2025- 2029

1.Now recognised at state level as Regional cancer center.

2.Opportunity of advanced techniques for patient care & research.

DEPARTMENT OF CARDIOLOGY

A. SERVICE:

- Paediatric Cardiology.
- Electro physiology.
- Preventive Cardiology

B. EQUIPMENT PURCHASE:

- 4 Numbers low end echocardiography units for SPMCH, SVIMS Clinic, IP Block & BIO

C. INSTALLATION:

- False Ceiling in ICCU
- Split AC in Cath Lab: Replacement 3 + 3 = 6 units
- Hospital information system link to TMT / ECHO/ HOLTER / TROPI / Cath reports
- PACS: To include ECG, ECHO, Cath, Holter/TMT.
- Leakage in walls all wash rooms.
- Broken tiles all over department.

D. STAFF:

- 2 ECG Technicians for SPMC Hospital on contract
- One Worker for Noninvasive lab
- One worker for Cardiology office & HOD
- Designated Adhoc Staff Nurses(6Nos) for Cath Lab.
- Designated Adhoc technicians for Cath Lab (4 nos).

- As per draft SVIMS service rules there is needs to create two posts of Senior Cardio Vascular Technologists (one for non-invasive labs and one for invasive lab).
- To Appoint 3 ECG technicians on contract basis against vacancies for urgent basis.

ELECTROPHYSIOLOGY 2024 - 2029

1. EP System 2D + 3D with Stimulator and ablator not available.

Need to procure: Cost : 2.5 Crore

2. In house Cardiac Electro physiologist to be recruited.

Associate / Assistant.

HOSPITAL INFORMATION SYSTEM & PACS

2024 - 2029

- Hospital information system & PACS to include ECG, Echo, Trop I, Interventional procedures, TMT and Holter so that reports & films (still & video images) can be assessed anywhere in the hospital.

Action Plan Long Term

2024 – 2039

CENTER FOR CARDIAC SCIENCES

A proposal is hereby submitted for construction of a dedicated Center for Cardiac Sciences in SVIMS under the INI Scheme. The proposed Center is to be set up in the 2.8 acres of land marked for this purpose in the year 2005. The center will house Cardiology, Cardiac Surgery, Cardiac Anaesthesia and all supportive Cardiac Services. A detailed sketch is to be submitted and the estimated budget for the project is rupees 100 crores.

BUDGET ESTIMATION

- **Estimated cost for Building** : **Rs. 50 crores.**
- **Estimated cost for Equipment (Cardiology)** : **Rs. 25 crores.**
- **Estimated cost for Cardiac surgery (Equipment):** **Rs. 20 crores.**
- **Estimated cost for Research Lab** : **Rs. 1 crore.**
- **Supportive departments (Radiology,**

- Anesthesiology, Clinical laboratory) : Rs.4 crores or actual.
- Total estimated budget : Rs. 100 crores.

DEPARTMENT OF DERMATOLOGY, VENEREOLOGY AND LEPROSY (DVL)
SVIMS - SRI PADMAVATHI MEDICAL COLLEGE FOR WOMEN

ACTION PLANS FOR NEXT 5 YEARS(2024-2028)

- To improve IP services(patients under aarogyasri, EHS)
- To strengthen special clinics
- To establish dermatosurgery and cosmetology wings
- To improve quality research work
- To conduct cmes/conferences/workshops at our institute
- Community awareness programs/to start pay clinics/allergy clinic
- To start post-graduate courses

Procurement

- Light microscope with attached camera
- Disposable vaginal speculums
- Wood's lamp
- Disposable biopsy punches
- Centrifuge machine with test tubes
- Cryogun
- Minor instruments – curette, comedo extractor, nail clipper, skin hook, markers
- Digital camera
- Refrigerator

- **Dermoscope**
- **Iontophoresis machine**
- **Patch test kit**
- **Chemical peels**
- **Derma chair**
- **Flex lamp**
- **NB/PUVA chamber**
- **LASERS – pigmentation, hair removal**

FINANCIAL BUDGET 2024 - 2025

- **Equipments – Rs. 10-30 lakhs (one time investment)**
- **Recruitment of additional Faculty**

DEPARTMENT OF ENDOCRINOLOGY AND METABOLISM

ACTION PLAN 2024 - 2029

Development of subspecialties in Endocrinology

- **Diabetes**
- **Thyroid**
- **Adrenal**
- **Gonads and reproductive endocrinology**
- **Pituitary**
- **Bone**
- **Paediatric endocrinology**

DIABETES CLINIC 2024 - 2025

- ❖ **Diabetic foot care program**

- ❖ Diabetics and pregnancy program
- Clinical
- Education
- Ward
- Insulin pumps and closed loop systems

DIABETES CLINIC 2024 - 2025

- Diabetics Eye care, evaluation and care facility. (in association with the dept. of ophthalmology)
- Funds photography
- Tonometry
- Perimetry
- Structured education program
- Structured education program for patients with diabetics mellitus
- What causes diabetics.
- Diet advice
- How to use insulin
- How to monitor treatment of Diabetics mellitus
- How to recognize and treat hypoglycemia
- What are the complications of diabetes mellitus
- Foot care

Obesity

1. Evaluation

2. Management

➤ Diet

➤ Exercise

➤ Medical management

- Devices, (banding, implanted gastric balloons oral hydrogels)

- **Surgery (in association with the Department of Surgical gastroenterology).**

ACTION PLAN: 2024 - 2025

Procurement of INSTRUMENTS

- ❖ 1. BMD (replacement)
- ❖ 2. Blood ketone meter
- ❖ 3. Hand held vascular Doppler
- ❖ 4. LCMS

2024 - 2025

Change in laboratory procedure

Store samples for 3days

Supporting investigations: 2024 - 2026

1.Karotyping

2.Genetics of monogenic diabetes, personalized management

Recruitment 2024 - 2026

- 1. Regular faculty
- 2. Foot care training nurse
- 3. Diabetes nurse educator
- 4. Promotion/up gradation of regular staff
- 5. Regularization/time scale of outsourcing staff

1ST PHASE 2024 - 2025

- ❖ Manpower recruitment and training

2ND PHASE 2024 - 2026

- ❖ Expansion

❖ Outreach clinics

- Routine cases to be disposed of onsite
- Cases requiring further evaluation & co management

with other specialties to be referred to SVIMS

STRENGTHS

1. Well established department
2. Running training program
3. Established lab
4. Expert technicians
5. Instruments Chemiluminescence DEXA
6. Strong ancillary departments (Neurosurgery, Nephrology, Neurology, Cardiology, Nuclear Medicine, General Surgery, Surgical Oncology)

OPPORTUNITIES

- No other comparable Endocrine centre in Rayalaseema (? Andhra).
- Development of Endocrine subspecialties.
- Development of diabetes expertise
- Development of obesity management program
- Diabetes and pregnancy program
- Peripheral outreach centers

Balaji Institute of Oncology

Dr. Nori Dattatreyyudu, the world renowned Oncologist, met with Health Minister and Principal Secretary, Department of Health and Medical, Govt., of Andhra Pradesh along with concern Comprehensive Cancer Care officers of State Government and Special Officer, Sri BIO to know the status of progress of the CCC project in Andhra Pradesh on 06.03.2023 and it was appraised by APMSIDC that the SBIO project will be handed over by 31.12.2023.

Sri Balaji Institute of Oncology will be having:

- i. Bone Marrow Transplant unit
- ii. Cancer Registry
- iii. Institute of Genetics
- iv. Institute of Geriatric Oncology
- v. Institute of Medical Oncology
- vi. Institute of Nuclear Medicine
- vii. Institute of Oncopathology
- viii. Institute of Paediatric Oncology
- ix. Institute of Pain & Palliation
- x. Institute of Physical Medicine & Rehabilitation
- xi. Institute of Preventive Oncology
- xii. Institute of Radiation Oncology
- xiii. Institute of Radio Diagnosis
- xiv. Institute of Surgical Oncology

Existing departments of Surgical Oncology and Medical Oncology will be completely shifted to Sri Balaji Institute of Oncology once the new block is operational. Newer facilities like Oncopathology, Radiodiagnosis wing, Bone Marrow Transplant unit, Genomic Laboratory, Preventive Oncology, Pain & Palliative Centre, Pediatric Oncology, Physical Medicine & Rehabilitation and Cancer Registry wings will be established in Sri Balaji Institute of Oncology.

Sri BIO is a 400 bedded ultra modern comprehensive care centre for cancer and allied specialties with state of art equipment and world class facilities spread across 3 lakh SFT, under construction by APMSIDC and funded by TTD with DPR of Rs 124 crores for interior works of E&F blocks modification and additional construction of bunker block and approx Rs 200 crores worth state of

art Cancer Equipment. It will be a separate division with its own administration in SVIMS University under the fold of TTD and operations will be as a stand alone Cancer centre (Oncology & allied specialities).Further Sri BIO is going to have financial autonomy with a separate budget in near future. The appointments and recruitments will be as per SVIMS act, SVIMS service rules and NMC norms so as to have a uniform structure and continued medical courses.

As a part of capacity building, foundation course in Palliative Medicine was conducted in December, 2022 and Palliative wing was started from February, 2023. We have also started Cancer Registry which is the first in the entire state and very soon Tirupati is going to be model district across the country in Awareness and Screening of cancer cases by SBIO,SVIMS.

SURGICAL ONCOLOGY

Infrastructure - Being upgraded in SBIO

Existing

- FACULTY ROOMS: 3
- Anesthesia faculty room: 1
- Residents room-1
- Dress Changing rooms -2 (male & female)
- Dining room-
- PA workstation -.
- Dept library -

Requirements

- Seminar room
- Office/Dept room
- Faculty rooms
- Air Conditioning (2nd floor)
- Water leak proofing (OT/rooms/Wards)
- Special rooms

- Adjacent connection with RT-2 ward

SPECIAL EQUIPMENTS-Procurement 2024 -2029

- ▶ Laparoscopy
- ▶ Vessel Sealing system with Diathermy (ERBEE)
- ▶ Telelaryngoscopy
- ▶ Colposcopy (Needs up gradation)
- ▶ Harmonic Scalpel (Ethicon, Jhonsons & Jhonson)
- ▶ Electrical Microsaw & Drill (Not working)
- ▶ Nasopharyngoscope
- ▶ Hebson Abdominal Retractor system
- ▶ Electrodiathermy 2 (one out of order)
- ▶ Mandibular reconstruction set, Microvascular surgery instruments
- ▶ OT ceiling lights with video recording facility
- ▶ OT Tables 3 (one needs replacement)
- SLN gamma probe
- C-MAC laryngoscope
- USG Machine

Equipment Procurement 2024 -2029

RECOVERY: 5 ventilators

4 monitors

4 fully automated carts.

defibrillator.

Stepdown: 7 fully automated carts

Recovery, Stepdown and wards are having AC s

Venopress: 4

Body warmer

Sl. No.	Equipment to be replaced	Approx. Budget	New equipment required	Approximate Budget
1.	Microdrill Saw (Oscillating)	25,00,000	Robotic surgical system with all instruments and accessories	20,00,00,000
2.	Electrohydraulic operating table	15,00,000	Near Infrared indocyanine green (ICG) fluoresce imaging system for surgery	50,00,000
3.	Electrodiathermy: 2 numbers	20,00,000	Electrodiathermy with vessel sealing system	20,00,000
4.	Harmonic scalpel system	20,00,000	Upper and lower GI High definition video endoscopy system with recording system, instruments and accessories	50,00,000
5.	S & T microsurgical instruments for microvascular surgery	10,00,000	Flexible fibreless Bronchoscope (CMOS technology) with biopsy channel and high definition camera and monitor	25,00,000

Activate Windows
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6.	Surgical instruments for various abdominal, head and neck, gynaecological and limb tumors	20,00,000	C mac video laryngoscope and biopsy forceps	15,00,000
7.	Mechanical ventilators: 4 number	80,00,000	Hyperthermic intraperitoneal chemotherapy machine with isolated limb perfusion option	1,00,00,000
8.	Multipara Bedside monitors: 5 in number	25,00,000	Advanced 3D Laparoscopy with near infra-redindocyanine green (ICG) fluorescence imaging system with accessories and instruments	75,00,000
9.	Rigid tele laryngoscope with HD camera, monitor and recording system	10,00,000	Portable C-arm fluoroscopy system	15,00,000
10.	Video colposcope with monitor and accessories	20,00,000	Hand held Doppler for microvascular surgery	50,000
11.	Laprosopic/thoracoscopic instrument set for oncological resections	10,00,000	Portable Ultrasound imaging system	15,00,000
12.			Rigid bronchoscope, esophagoscope and mediastinoscope with camera and monitor and accessories including biopsy instruments	60,00,000
13.			Book walter ring retractor systems	10,00,000
14.			Instrument set for resection and reconstruction of different bone tumors including powered bone saw	10,00,000
15.			Endoscopic bronchial ultrasound system with all accessories	1,00,00,000
16.			Operating microscope for microvascular surgical work	1,00,00,000
17.			Battery Powered Vertical (Reciprocating) Sternum Saw & Redo (Oscillating) Sternum Saw	15,00,000
18.			Argon Plasma Coagulation System with Intelligent Cautery	30,00,000

Activate Windows
Go to PC settings to activate Windows.

			Hysteroscope and Resectoscope with irrigation system and Full High Definition Three Chip Camera System with Camera head.	25,00,000
19.			CO2 Laser free beam and fibre delivery system (with Scanner and Accessories)	50,00,000
	Total	2,55,00,000		27,60,50,000
			Grand Total :	30,15,50,000

Activate Windows
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Way forward- Next 5 years

- Faculty have to focus on subspeciality interests, learn and start at least one advanced procedure which is not being performed at present each year
- Recruiting new faculty with subspeciality focus and advanced training
- Developing subspeciality of Head and neck, gynec, Upper GI, Lower GI, Hepatobiliary and pancreatic, Ortho/musculoskeletal, Uro onco and thoracic oncology with focus on organ preservation, transplantation and minimally invasive approach (Lap & Robotic)
- Establishing referral centres for emerging areas, eg: Comprehensive breast cancer care clinic, peritoneal surface malignancy, Musculoskeletal Oncology, Minimally invasive & Robotic surgeries
- Clinical trials with pharma collaboration and funding
Tumor bank, Bone bank, advanced molecular diagnostics

Next 5 years:

- Collaboration with ISER, IIT, to start with and then on a global level for cutting edge research- head and neck, breast and gynaecological cancers- diagnosis and treatment
- Artificial intelligence application in cancer diagnostics and surgery, Tumor repository and advanced molecular diagnostics.
- Community screening, awareness program
- Training of RMPs and government doctors in early diagnosis, follow up and palliative care of cancer patients

Academics & Teaching/Training:

- Virtual skill lab (Lap & endo mentors): Endoscopy and minimally invasive surgery
- Advanced skill animal lab- Veterinary college- Surgical courses can be conducted
- Advanced Cadaveric lab for surgical skill course- Anatomy
- New Skill based courses/fellowships- onco-pathology, onco-anaesthesia, pain and palliative care, sub speciality training, Community oncology and psychological oncology

SURGICAL GASTROENTEROLOGY

Multiorgan Transplant Centre

2024 – 2030

Recruitment of 2 Surgeons, MCh / DNB Surgical Gastroenterology

Recruitment of Medical Gastroenterologist with adequate experience in Hepatology and Liver Tx

Recruitment of Anaesthetist trained in SGE

Recruitment of Interventional Radiologist with Experience in Hepatobiliary vascular interventions

Equipment Procurement 2024 -2029

- Basic surgical instruments – 2 sets
(exclusively used during Tx only)
- Vascular instruments – 2 sets
(available)
- Abdominal retractors -2 sets
(available)
- Argon plasma coagulator – 1 (Available)
- CUSA -1 (available)
- Harmonic / Ligasure – 1 (Available)
- TEG – 1 (Available)

Equipment Procurement 2024 -2029

- Head lamps – 2
- Operating loops – Individualised
- Rapid infusion system – 1
- Infusion pumps – 10

- Sequential compression devices – 2

Equipment Procurement 2024 -2029

Sl.no.	Equipment description	Quantity required	Approximate cost (In Lakhs)
1.	Monitors for ICU (High end)	6	30
2.	Monitors for ICU (Mid-range)	15	20
3.	Pulse oximeters	10	03
4.	Syringe pumps	25	10
5.	Defibrillator	01	2.5
6.	Fowler cots	15	15
7.	Patient cots	75	15
8.	Patient examination couches	05	02
9.	Computers	10	05
10.	Printers with scanner	10	01
11.	LCD projector with screen	01	0.5
12.	Anaesthesia work stations	03	90
13.	Operating tables	03	45
14.	C-Arm	01	30
15.	Furniture		15
Total			2.84 Crore

Endoscopic equipment Procurement 2024 -2029

Sl.no.	Equipment description	Quantity required	Approximate cost (in Lakhs)
1.	Upper GI Endoscopes	01	35
2.	Colonoscopes	01	
3.	Side viewing duodenoscopes	01	
4.	Paediatric Endoscope set	01	15
5.	Endoscopic ultrasound	01	30
6.	Capsule endoscopy	01	20
7.	Manometry equipment	01	25

Equipment for ICU Procurement 2024 -2029

Sl.no.	Equipment description	Quantity required	Approximate cost (in Lakhs)
1.	Cardiac Monitors	15	75
2.	Pulse oxymeter	15	05
3.	Defibrillators	01	05
4.	ECG Machine	01	01
5.	Ventilators	10	100
6.	Syringe pumps	25	10
7.	ABG Analyzer	01	15

Equipment for wards Procurement 2024 -2029

Sl.no.	Equipment description	Quantity required	Approximate cost (in Lakhs)
1.	Fowler cots	15	45
2.	Patient cots	100	15
3.	Bedside lockers	100	05
4.	Trolleys	10	02
5.	Wheel chairs	10	01
6.	Patient examination couches	20	10

Total – 78 Lakhs

RADIOLOGY AND INTERVENTION

Action Plan : 2023- 2028

- Biplane DSA lab
- All vascular neuro and non neuro interventions from head to toe
- To establish centre for excellence for acute stroke management along with the departments of Neurology, Neurosurgery and emergency medicine.
- Micro wave ablation
- Varicose vein clinics – RFA / MWA
- Marketing team for IR services to get affordable patients to SVIMS
- PDCC / DM courses in Neurointerventional radiology and body interventional radiology

2023-2028

- Laparoscopic USG probes for Intra op interventions
- Intra-op interventions
- Improve Pain management clinics

2028- 2033

- Mobile CT scanner
- Stroke Bus
- To take Onco interventions further - IRE ablation – irreversible electroporation
- Aortic interventions – training centre
- Thyroid clinics – ablative services, Liver clinics, GI clinics
- Workshops for national and international IR conferences
- IR services for transplant patients
- Tirupati – Divine health tourism hub

2033 – 2039

- Mobile MRI
- To have separate vertical for IR services with more than 10 DSA labs running parallelly
- To create centre of excellence for IR services for the whole country
- To organize international workshops and conferences in IR
- Developing other Subspecialties in IR
- To have International clinical trials in IR at SVIMS
- To establish DSA labs for animal studies
- To collaborate with other renowned universities across the globe
- To have R & D centres for IR services at SVIMS

PHYSIOLOGY

SVIMS-SRI PADMAVATHI MEDICAL COLLEGE FOR WOMEN, TIRUPATI

2024 -2029

- ▶ Yoga Lab
- ▶ Autonomic function testing Lab

2024 – 2029 Procurement:

- ▶ Microscopes
- ▶ Sphygmomanometers
- ▶ Computers for Demo Rooms
- ▶ Projector
- ▶ Printer
- ▶ Scanner
- ▶ Double door refrigerator
- ▶ Air conditioner

PHARMACOLOGY

SVIMS-SRI PADMAVATHI MEDICAL COLLEGE FOR WOMEN, TIRUPATI

Action Plan 2024 – 2029

Procurement of Infrastructure for CAL Lab

We established Computer Assisted Laboratory (CAL) with 30 nos. computers

1. To maintain proper functioning of the computers- total 8 nos. of Air-conditioners are required.
2. LCD Projector, Scanner & Printer.

**2024 – 2030: Proposal for new Animal House Establishment &
Infrastructure as per CCSEA**

Sl.NO	Name of the Equipment	Number of Items	Cost
1.	ECG Machine	01	Rs.1,50,000/-
2.	OT Table & Operating lamp	01	Rs.25,000/-
3.	Thermometers 110c	05	Rs.8,920/-
4.	Rabbit cages	10	Rs.30,000/-
5.	Rat/Mice Cages	50	Rs.20,000/- (Set of 6)
6.	Rat Cage holders	20	Rs.20,000/-Each
7.	Rat Water bottles	12	Rs.1,940/-
8.	Museum models	10	Rs.8,000/-Each
9.	Weighing Machine for small animals like rats and guinea pig	01	Rs.5,000/-
10.	Dissection instrument and injection syringes	02	Rs.6,000/-
11	Animal trolley with 12 cages	01	Rs.40,000/-
12.	Stethoscopes	20	Rs.10,000/-
13.	Organ bath	02	Rs.32,000/-
14.	Zebra Fish Lab (Full Setup)	01	Rs.30,00,000/-
15.	Refrigerator	01(210 ltr)	Rs.50,000/-
16.	Rodent Barrier	05	Rs.17,211/-
17.	A/C (1.5 tone)	03	Rs.1,80,000/-
18.	Dry Bulb Themometers	05	Rs.7,500/-

19.	Autoclave	01	Rs.20,000/-
20.	Water Heater	01	Rs.10,000/-

SI.NO	Name of the Equipment	Number of Items	Cost
21.	Incinerators	01	Rs.15,000/-
22.	Fluorescent Tube light (32-40 lum)	10	Rs.20,000/-
23.	Animal Room Doors	10	Rs.30,000/-
24.	UPS for emergency power supply	01	Rs.-----
25.	HVAC(Heating Ventilation and Air conditioner system	01	Rs.50,00,000/-
26.	Pressure Gauges	05	Rs.60,0000/-
S.No	Staff	Required	
1.	Veterinarian	01	
2.	Lab Techniciam (B.sc MLT)	01	
3.	Lab Attender	01	

PAEDIATRICS
SVIMS-SRI PADMAVATHI MEDICAL COLLEGE FOR WOMEN

Action Plan 2024 – 2029

- To establish in the existing building and the required rooms are available for NICU and PICU
- Existing faculty are trained in handling paediatric emergency, paediatric and neonatal intensive care
- To Establish PICU , Level 3 NICU, dedicated paediatric emergency
- Procurement of intensive care beds, neonatal warmers and patient monitoring equipment
- Recruitment of faculty (1 Associate & 1 Assistant)

OPHTHALMOLOGY

SVIMS-SRI PADMAVATHI MEDICAL COLLEGE FOR WOMEN

Action Plan 2024 – 2029

- Phaco machine
- Argon green laser , Nd-YAG laser
- Vitrectomy machine
- OCT , FFA
- B-Scan ultrasonography , Pentacam ,
- Uva therapy unit
- To give laser services for basic retinal diseases
- To start PG course in ophthalmology

NEUROSURGERY

Action Plan 2024 – 2029

SERVICE LINE APPROACH

For every disease entity - Develop programs

- Increase volumes
- Ensure quality
- Research/Training

**VASCULAR
ENDOSCOPY**

**SPINE
NEUROONCOLOGY**

**FUNCTIONAL
PAIN**

2029 – 2034

Managing all types of Neurotrauma patients (cranial/spinal)
ICP monitoring being don

Start TRAUMA CENTRE

NEUROEPIDEMIOLOGY

Neurorehabilitation Unit with collaboration of physiotherapy
Mobile CT for rapid diagnosis

Stem cells for spinal cord injury (Pilot study done successfully)

SPINE 2024 – 2034

IMAGE GUIDANCE (NAVIGATION/3D CARM/INTROP CT)

Now a NORM /BASIC REQUIREMENT

Reduced screw malpositions (1.3% Vs 8.3%)

Reduced operative time(120 mins Vs 180mins)

Reduced radiation exposure, Reduced revisions

Image guided surgeries

Spinal cord stimulation for failed back syndrome/paraplegia

VASCULAR 2024 – 2034

microneurosurgery of all vascular lesions

(AVM/Aneurysm/cavernomas/ICH/Revascularisation)

High rate of referrals for ENDOVASCULAR PROCEDURES - AVM

- Aneurysm

Build a complete Endovascular program in collaboration with Neurology.
TO START “CODE STROKE” involve the EMD, NEUROLOGY other
Hospitals.

DEPARTMENT OF ENT

Action Plan 2024 - 2029

- Recruitment of Faculty
- Procurement of advanced equipments- High end microscope, Skeeter drill, stroboscopy unit, MLS instruments and video laryngoscopy unit.
- Establish temporal bone Lab
- Establish Audiology and Hearing Aid Clinic
- Establish Speech Therapy clinic
- Establish Allergy assessment and therapy clinic
- Establish Vertigo and rehabilitation clinic

- Establish Sleep study, DISE(drug induced sleep endoscopy)
- Establish Research projects

2024 – 2034

- Initiate Ossiculoplasty with hearing restoration surgeries
- Initiate Cochlear implantation programme
- Initiate Lateral temporal resection surgeries for otological malignancies
- Initiate Endoscopic nasal and anterior skull base surgeries
 - Initiate Coablation-assisted surgeries for adenoid hypertrophy, chronic tonsillitis, and Obstructive Sleep Apnoea.
- Initiate Phonosurgery – Thyroplasty
- Initiate Audiovestibular rehabilitation
- Initiate Head and neck surgeries

2024 – 2029

- To start Post graduation program(Got academic senate approval in 2019)
- Initiate Temporal bone lab
- Initiate Voice restoration surgeries
- Initiate Cochlear implant programme
- Initiate Neonatal hearing screening and treatment
- Initiate Audiology and Hearing Aid Clinic
- Initiate Speech therapy clinic
- Initiate Vertigo and rehabilitation clinic
- Initiate Allergy Clinic

2029 – 2039

- Initiate Robotic surgery
- Initiate Rhinoplasty and facial trauma surgeries
- Initiate Head and neck oncology surgeries

- Initiate Research projects for better skills and advancement of the department
- Initiate Hearing assessment camps and awareness programs

COLLEGE AND DEPARTMENT OF PHYSIOTHERAPY

OBJECTIVES:

1. Physiotherapy knowledge and skills:
2. Planning abilities:
3. Communication Skills:
4. Professional Identity & Ethics:
5. Problem analysis:
6. Physiotherapist & Society:
7. Leadership skills:
8. Research Acumen:

Physiotherapy services are extended to neurological, neurosurgery, cardiology, cardiothoracic, musculoskeletal, sports, nephrology, urology, medical and surgical (pre and post operative cases) intensive care units, oncology (Radiation, chemo, surgical) palliative care, Gynaec & obstetrics (Antenatal Postnatal and post surgical), paediatric geriatric, industrial therapy, occupational therapy, Ayurvedic, community based physiotherapy obesity and fitness. Physiotherapy awareness programmes are conducted to the educational institutions, industries, organization, NGO's and to common public.

OUTCOME: The outcome of physiotherapy are recorded as following

*Physical outcome measures (Regulates Body mass index (BMI), WHR waist hip ratio, posture, muscle tone).

*Physiological outcome measures (Pain, increase mobility of joints, regulate muscular properties, enhances blood circulation, enhances pulmonary and cardiovascular functions, regulates endocrine functions, regulates gastrointestinal system, neurological system, strengthen skeletal and musculoskeletal system, regulates immunity system).

*Psychological outcome measures (Anxiety, depression, scales are recorded)

*Functional outcome measures (enhances activities of daily life and functional activities)

*Overall quality of life is enhanced with physical, psychological, social wellbeing.

Action Plan 2024 -2034

1. To provide integrated approach of treatment
 - *Physiotherapy with yoga and meditation.
 - * Ayurvedic, sidda, allopathy, naturopathy with physiotherapy.
 - * Budget: To establish separate departments with necessary infrastructure facilities, the approximate budget is Rs.30 Lakhs per lab.
 - * A Minimum of 4 labs are required with infrastructure with patient rest room and waiting hall.
2. To provide community based physiotherapy (mobile physiotherapy units) as 90% are disabled unable to undergo physiotherapy due to lack of transport human resources (budget a single mobile unit cost about approx. Rs. 40 laks. Three mobile units are required.
3. To establish geriatrics rehabilitation care centre.
4. **To establish rehabilitation centre for special childrens (mentally challenged childrens)**
5. **To establish pulmonary physiotherapy services**

BUDGET					
	Physiotherapy (Integrated therapy)	Community physiotherapy	Geriatrics physiotherapy	Physiotherapy For special children	Pulmonary physiotherapy
Building	30 lakhs		20 lakhs	20 lakhs	20 lakhs
Infrastructure	10 lakhs	30 lakhs	10 lakhs	10 lakhs	10 lakhs
Equipments	20 lakhs	10 lakhs	5 lakhs	6 lakhs	6 lakhs
Human resources	6 lakhs per month	3 lakhs per month	3 lakhs per month	3 lakhs per month	3 lakhs per month
Miscellaneous	1 lakh per month	50 thousand per month	50 thousand per month	50 thousand per month	50 thousand per month
Total Rs.	67 lakhs	43.5 lakhs	38.5 lakhs	39.5 lakhs	39.5 lakh

DEPARTMENT OF PATHOLOGY

Action plans

Plan for first 5years (2024 to 2029)-Phase-1

- To start FISH investigation
- To start Cytogenetics
- To start Flow Cytometry independently
- To introduce automation in Coagulation studies and Semen analysis
- To start digitalization of histopathology and cytology (lean management)
- Recruitment of additional staff
- Additional space requirement

Future plans

Plan for second 5years (2029-2034)-Phase-2

- To introduce complete panel of IHC as per NCCN guide lines for various tumors along with cytogenetics including RTPCR.
- To start D-DISH (Dual-color dual hapten insitu hybridization) apart from FISH
- Plan to start separate subspecialities for
 - Renal pathology.
 - GI pathology.
 - Endocrine pathology.
 - Neuropathology.
 - Hematopathology.
 - Genito-urinary pathology.
 - Dermatopathology.
 - Bone & Soft Tissue pathology.
 - Cardio-vascular pathology.
 - Complete digitalization of teaching pathology practicals for second MBBS

Future plans

Plan for third 5years (2035-2040)-Phase-3

- Plan to strengthen departments of
- Renal pathology

- GI pathology
- Endocrine pathology
- Neuropathology
- Hematopathology
- Clinical pathology
- Genito-urinary pathology
- Dermatopathology
- Bone & Soft Tissue pathology
- Cardio-vascular pathology and
- Starting DM courses in the above sub-specialities.

OPPURTUNITIES OF OUR DEPARTMENT

- One of the faculty member has DBT project for establishment of genetic diagnostic unit for molecular testing, cytogenetic tests for karyotyping, neonatal screening and equipment provided can be used for molecular genetics for oncology
- Have automated IHC which can be used as companion diagnostics for PDL1 studies in tumors and also can be used in insitu- hybridization

NEUROSURGERY

Action Plan 2024 – 2029

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ICP monitoring being done

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- NEUROEPIDEMIOLOGY
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NEUROONCOLOGY 2024 – 2034

Treatments available for all types of tumors in all locations

- Stereotactic biopsies - No frame -increasing referrals
- Small (<3 cm lesions)- Gamma Knife- increasing referrals
- Image guided surgeries- (NAVIGATION/ 5 ALA guided surgery/Intraop MRI)

Increased resectability

Decreased morbidity

Longer progression free survival

- Image guided surgeries (Navigation -5 ALA-Intraop MRI)
- Trials/Newer treatments (Gliadel Wafers) for GBM/recurrent gliomas,Brachytherapy (In collaboration with RT/MO/Biotechnology)
- GAMMA KNIFE

FUNCTIONAL 2024 – 2034

DBS Programme for Parkinsonism

SHORTCOMINGS

Don't have our own equipment – Depending on the company people
(Stereotactic frame/ MER/ MICRODRIVE)

Extend DBS to psychiatric illnesses (OCD) in collaboration with psychiatrist
Start EPILEPSY PROGRAMME
Strengthen the programme for spasticity (BACLOFEN PUMP)

PAIN 2024 – 2034

Performing procedures for cranial pain (MVD)

Balloon kyphoplasty for compression fractures

Blocks (local anesthesia + steroid) for spinal pathologies –temporary relief

Permanent procedures need Radio frequency ablation –RF Lesion generator

To start pain clinic (Collaboration with Anesthesia,Physiotherapy,Alternative medicine ,RO,MO)

Day care procedures for various pain syndromes

TRAINING and RESEARCH 2024 - 2034

- Convert Spine Observorship into Fellowship
- Seminar room
- State of the art Cadaver Lab – Income generation
 - Useful for other departments

COMMUNITY OUTREACH

Head injury : Preventive/corrective measures based on the Neuroepidemiology study
DRUNK AND DRIVE/ SEAT BELT/ HELMET

Spinal deformity: Screening of school children for spinal deformity.

Spinal fluorosis: Largest data on ossified yellow ligament

VISION 2025-30

SVINS : Sri Venkateswara Institute of Neurosciences

BASIC FLOOR PLAN OF NEUROSCIENCES CENTRE

	A Block	B Block	C Block
5th	FACULTY ROOMS OFFICE ROOMS SEMINAR HALL DEPARTMENT LIBRARY RESIDENT ROOMS	AUDITORIUM/CONFERENCE HALL	FACULTY ROOMS OFFICE ROOMS SEMINAR HALL DEPARTMENT LIBRARY RESIDENT ROOMS
4th	NEUROLOGY SPECIAL ROOMS	BIOTECHNOLOGY MOLECULARBIOLOGY NEUROGENETICS	NEUROSURGERY SPECIAL ROOMS
3rd	NEUROLOGY PEDIATRIC WARDS	NEUROPATHOLOGY NEUROBIOCHEMISTRY NEUROMICROBIOLOGY	NEUROSURGERY PEADIATRIC WARDS
2nd	NEUROLOGY WARD ADULT WARDS EEG,ENMG,NCS LABS	PHYSIOTHERAPY REHABILITATION SPEECH THERAPY ALTERNATIVE MEDICINE	NEUROSURGERY ADULT WARDS
1st	ICU- NEUROLOGY NEUROSURGERY SLEEP LAB VIDEO EEG	OPERATION THEATRE 1 OPERATION THEATRE 2	OPERATION THEATRE 3 OPERATION THEATRE 4 BLOOD BANK
G R O U N D	RECEPTION OPD- NEUROLOGY NEUROSURGERY PSYCHIATRY PROCEDURE ROOMS CENTRAL LABS	RADIOLOGY	PET SCAN GAMMA KNIFE
C E L L A	PARKING	MEDICAL RECORD DEPARTMENT	PARKING

EMERGENCY/CASUALTY

CANTEEN

Nephrology

Action plan for next 5 years and beyond

I Clinical		Strength	Weakness	Opportunity	Threat
1	Supportive care for renal patients – application of Palliative care medicine principles and practices to patients with kidney diseases	Already palliative and pain care ward in place, Dr.R.D. Nagaraj, Sr. Medical Officer, Dialysis is trained in palliative care	Patient acceptance	No other facility available in AP	Patient motivation
2	Combine clinics policy for Diabetic kidney management with interface among Nephrology, Endocrinology and Cardiology under one roof with concomitant participation	Three departments of Nephrology, Endocrinology and Cardiology are already functioning robust.	Lack of sufficient number of faculty in three departments	Immense benefit to the diabetic patients	Egotistical departments
3	Renal Nutrition and Dietetics	Majority of Nephrology patients are in need of diet advise	At present only two qualified dietitians	To start renal nutrition certificate course	Non-availability of accreditation to the course
4	Tele Nephrology	More than 50% nephrology patients are from distant places of 3 hours duration travel	Motivation in nephrology team. Require a few equipment	Would be first in the country	Needs quick implementation lest a private player may march ahead

5	Community reach preventive programmes for early detection of CKD in the society	Past experience	Involves finance like cost of procedures, expenditure towards urine dipsticks, serum creatinine and blood glucose	Early detection of CKD in the society is already a delayed goal of the department	Lack of motivation
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II Laboratory					
1	Advanced Laboratory supports for a) Renal genetic studies b) Immunology, How cytometry and Luminex c) Drug level monitoring – especially in post renal transplant patients d) Toxins detection in poisonings – Toxicology services e) Renal stone diseases: Stone analysis and metabolic work up	These facilities are not available under one roof anywhere in the country	Require huge capital expenditure	Serves a large number of patients who at present are being left undiagnostic	Lack of trained personnel

I Clinical		Strength	Weakness	Opportunity	Threat
2	Renal laboratory facility exclusively for Nephrology for biochemical and routine urine and haematology supports	At present being done at Pathology, at least 3 times a week.	None	Part of training in DM Nephrology	None

III Treatment Related					
1	ABO incompatible renal transplantation	No institute in AP does ABO in compatible Renal Transplant	Lack of equipment	Tens of patients might be benefitted	Cooperation from allied departments
2	Home Haemodilysis	No institute in India does home hemodialysis	Motivation of the patients required	Once a patient understands its utility, several might follow	Expenditure
3	Advanced equipment for renal support a) Hemodiafiltration b) MARS and Hemoadsorption c) Bed side RO (Reverse osmosis machines)	Past experience	Limited number of patients	Absolute benefit to the patients.	Expenditure
4	Ambulatory blood pressure	Past experience	Several have already adopted.	Essential requirement for DM Nephrology	None
5	Machine perfusion equipment facility for organ transport in Deceased donor transplantation	No institute in India has this facility	There is a learning curve for it	Useful in diseased donor training Renal Transplant	Lack of trained personnel

IV Academics					
	1. Advance microscope with lecturoscope facility for students learning	Few institutes has this facility in India	Expenditure and lack of personnel	Improves patient care	Expenditure co-operation of allied departments

	2. Electron microscopy 3. Experimental laboratory 4. Renal nutrition certificate course 5. Nephro Pathology certificate course				
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MICROBIOLOGY

SVIMS-SRI PADMAVATHI MEDICAL COLLEGE FOR WOMEN, TIRUPATI

Action plan with targets

Action Plan 2024 - 2034

- To become a center of excellence, collaborating with foreign and national universities for research and training on diagnosis of infectious diseases.
- To establish a high-quality laboratory, this should include both conventional microbiology methods and molecular microbiology techniques for exceptional performance.

- To establish a Regional center on MTB & NTM research.
- To start Film array panel tests in Molecular Microbiology like **sepsis CNS and respiratory panels** etc. for rapid diagnosis of infectious diseases.
- To strengthen AMR surveillance at National level by newer methods as per update. **(VITEK & MALDI-TOF)**
- VITEK implementation already initiated.
- To enter into National pool (ICMR & NCDC) to provide data for AMR surveillance.
- To establish a referral centre for laboratory diagnosis of infectious diseases and conducting EQAS programme.

FORENSIC MEDICINE

Action Plan 2024 - 2034

- New advanced modern mortuary with attached virtopsy centre
- Poison information centre – can be 1st in ap
- Toxicology lab – for poison detection – 1st in ap
- Forensic histopathology lab- for reporting MLC cases
- Peripheral Postings to surgery and allied , emergency medicine residents to forensic
- Clinical forensic medicine unit
- Centre of excellence – autopsy training centre for doctors, law investigation authorities

DEPARTMENT OF NUCLEAR MEDICINE

INSTITUTE OF NATIONAL IMPORTANCE

Strategic Planning and SWOT Analysis

PLAN OF ACTION

2024 –2029

Centre of Excellence in oncology and nuclear cardiology imaging

To procure and use recently available new PET CT radiopharmaceuticals for Cardiac inflammatory disorders, neuroendocrine tumors etc.

2029 –2034

Centre of Excellence in therapy

- Department is equipped with radio iodine 131 low dose therapy and high dose therapy (04 beds) isolation ward since 2018. This is the only public sector hospital facility in Andhra Pradesh.
- Department can execute with above experience radionuclide Lutetium 177 based therapy for other solid organ cancers for e.g. Prostate cancer and neuroendocrine cancer for needy patients.

2035 –2039

- **Centre of Excellence for Radio - immunotherapy.**
- Department is equipped with infrastructure to execute radio receptor and radio immuno therapy.

DEPARTMENT OF UROLOGY

ACTION PLAN 2024 - 2030

Development of subspecialties

Andrology

Uro-oncology

Minimally invasive urology (laparoscopy and Robotics)

Pediatric urology

ACTION PLAN: 2024 – 2030

INSTRUMENTS

- Procurement
- Surgical Microscopic loupes
- Hand held vascular Doppler
- Advanced Thulium LASER.
- Flexible URS and Cystoscopes.

2024 - 2034

- Development of department to handle enhanced transplant cases (live and cadaver)
- Develop andrology as a sub speciality and also to offer andrologic interventions.
- To coordinate with Dept of OBG for development of assisted reproductive techniques.
- Manpower recruitment and training
- Outreach clinics

The slide features a central dark grey box with the text "SCOPE FOR FUTURE". To its right are five horizontal colored boxes, each with an icon and a text description:

- Orange box:** Laparoscopy work to be extended to advanced and reconstructive urology (Icon: Line graph with upward arrow)
- Grey box:** Number of transplants(both live & deceased) and organ harvesting to be increased (Icon: Checkmark)
- Yellow box:** More participation in community outreach programs with YSRA team (Icon: Three stylized human figures)
- Blue box:** Organ donation awareness campaigning with nephrology and PRO office. (Icon: Stethoscope)
- Green box:** to increase focus on academic, publications and research work (Icon: Open book)

At the bottom left of the slide are navigation icons: back, forward, search, and refresh. The number "5" is located at the bottom right of the slide.

LABORATORY ACCREDITATION

MISSION STATEMENT

Laboratory accreditation to:

- Improve the provision of accurate and rapid diagnostic procedures
- To reduce errors in the laboratory process flow
- To ensure reliable reporting for facilitation of efficient treatment in patient care

SWOT ANALYSIS

Strengths

- Dedicated & qualified staff
- Infrastructure supporting present scope of services
- State of the art equipment
- Following good quality practices such as internal quality control and participating in external quality control programs
- Hospital is accredited by NABH

Weakness

- Infrastructure not sufficient for expansion of services
- Staff strength not adequate to meet the expanding scope of services
- Dedicated work force for phlebotomy services not available

SWOT ANALYSIS

Opportunities

- To increase the scope of services
- To increase stakeholder satisfaction by providing quality reports

Threats

- Budget allocation for quality improvement activities
- Delays in consumable procurement

- Not having MOU for outsourcing of investigations in case of temporary non availability of tests
- Chemical waste management requirements to be fulfilled

STRATEGIC PLAN 2024-2029

- To obtain accreditation for laboratories:
 - Pathology, Biochemistry, Microbiology, Virology, Endocrinology
- To fulfill equipment shortages
- Expansion of services in line with individual department scope of services as per clinical requirements
- To procure standby equipment for all available equipment as part of contingency plan
- To have MOU for outsourcing of investigations as a contingency plan and also for tests beyond scope of services
- To have dedicated work spaces for all laboratory activities as part of expansion

STRATEGIC PLAN 2029-2034

- To have a central laboratory with total lab automation
- To become a centre for running External quality control program
- To become a centre for training of quality processes

MEDICAL EDUCATION UNIT

RBCW/BCME

- ❖ RBCW/ BCME is a part of NMC's faculty development programme, it aims to improve quality of Medical training by training the Teachers.
- ❖ We conducted four RBCW and trained 115 faculty members under the guidance and supervision of Nodal centre, CMC Vellore.
 1. 1st RBCW – 24th to 26th June 2019. (30 participants)
 2. 2nd RBCW – 29th, 30th September & 1st October 2021. (26 Participants)

3. 3rd RBCW- 6th to 8th April 2022.(30 Participants)
4. 4th RBCW- 20th -22nd December 2022.(29 Participants)

CISP Workshops

- ❖ We conducted two Curriculum Implementation Support Programme workshops and trained 60 Faculty members.
(under the guidance and observer ship of CMC Vellore Nodal centre.)

1. CISP-I- 27th to 29th June 2019. (30 Participants)
2. CISP-II-28th & 29th September 2020.(30 Participants)

Mentorship workshop.

- ❖ We conducted mentorship workshop, Training of trainers (TOT) with the help of faculty from St John's national academy of health sciences, Bengaluru on 5th May 2022 and trained 30 faculty members from our Institute.

Orientation Programme for Interns

- Orientation Programme for interns for 8 batches, both regular & referred batches .
(At the time of starting internship batch i.e. 2014-15, 2015-16, 2016-17, 2017-18).

Faculty development programme

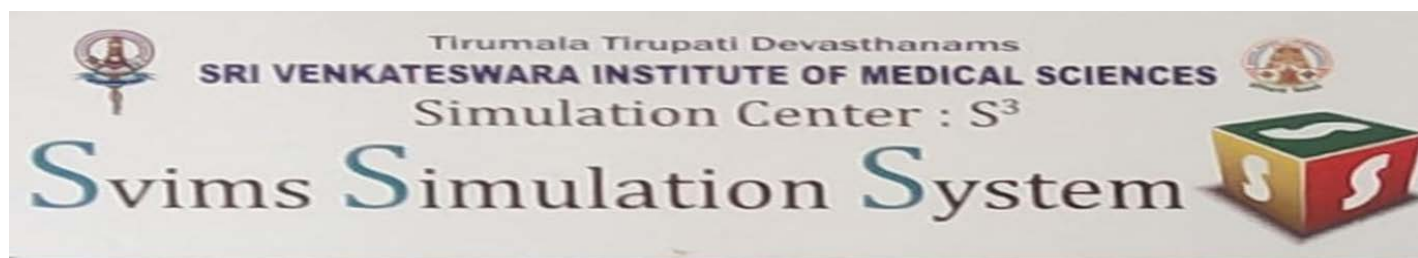
We conducted a faculty development programme to guide the faculty members our institute to learn Educational research- Implications in CBME, Electives – Role and importance in CBME & Role of MEU in CBME curriculum with the help of expert faculty from SRMC & RI, Chennai on 3rd April 2023.

Plan of Action

1. To get permission from NMC to convert our MEU cell into Regional NMC Centre so that we can train faculty from nearly 10 to 15 Medical college from Rayalseema region of our state.

2. To facilitate qualitative research in Medical education field and get it published in high impact Journals.
3. To conduct Faculty development programs to all faculty members (Apart from BCME & CISP).
4. To establish a gold-medal for the best paper publication and also for the best poster presentation in Medical education research every year.

5. We got high end skills lab (State of the art) with all facilities to conduct BLS, ACLS and skills training facilities etc. We want to utilize this lab, so that every faculty and also every UG & PG student will get benefited through this.
6. We are planning to implement mentorship programme vey intensively, so that a safe environment is created for the students.



SVIMS SIMULATION SYSTEM(S3)

Activate Windows
Go to PC settings to activate Windows.

Abbreviations

- AHA : American Heart Association
- ITC : International Training Centre
- BLS : Basic Life Support
- ACLS: Advance Cardiovascular Life Support
- TCC: Training Centre Coordinator
- CPR: Cardio Pulmonary Resuscitation

Objectives

1. To train and develop necessary clinical skills in medical undergraduate, post graduate students, paramedical students as per needs and competency statements of various courses.
2. To develop resources, materials and course curricula required for various courses.
3. To train and certify the learners.

FACULTY Training

- No of Training programs conducted-07(Seven) since 2019
- No of Faculty trained as Resource persons-33

Students Training-current status

- Physiology- online teaching of clinical Physiology with manikin
- OBG- delivery module (SIM MOM)
- Pharmacology- (Injection Module)
- Nursing-(Nursing anne and Mama Birthe)

- SVIMS Simulation System is now recognized as International Training Center (ITC) by American Heart Association (AHA).
- The training course for BLS and ACLS have been started and conducted at regular intervals.
- We have the faculty trained and recognized for BLS / ACLS Instructors by American Heart Association.

Key Indicator - 6.2 Strategy Developments and Deployment

6.2.1 The Institutional Strategic plan is effectively deployed.

SVIMS has developed a strategic action plan the next 15 years i.e, from 2024-2039.

ACTION PLAN 2024 - 2029

Committed to Create a state of art Academic centre as per international standards for learning, research and knowledge sharing with digital library and a environmental friendly campus. Along with Clinical and non clinical Centres of Excellences : **2024 - 2029**

Develop a state of art international research centre which includes focus on basic research combined with clinical research with molecular biology and genetic research **2024 - 2029**

To Build a Next Generation Holistic Integrated 2000 Beds Hospital with 20 Operation Theatres and 250 Critical Care beds as Centers of Excellence. Accompanied with BEST OF ACADEMICS, INNOVATION, SKILL SETS and Research on the foundations of ACCESSIBILITY, AFFORDABILITY & TRUST, which will Rest on the four strong pillars of **Talent, Technology, Infrastructure and Quality Service. 2024 - 2034**

We are committed to providing the highest level of holistic integrated medical care to every patient, every time and focus through a integrated talented team with international exposure to ACADEMICS, research, patient care with compassion and EXCELLENT clinical outcomes : **2024 - 2039**

Conduct **transnational research and evidence based medicine** that translates into improved treatment options and patient outcomes **2024 - 2039**

Establish ENDOWMENT CHAIRS in COEs and AFFILIATIONS from leading hospitals in the world for clinical work, academics and research **2024 - 2029**

Establish New Specialty Clinics within urban and rural Tirupati, New Sub Specialty clinics within urban and rural Tirupati, Upgradation of existing if any specialty clinics as a *Hub and spoke* model by Coordinating Peripheral polyclinics and small hospitals in nearby districts. **2024 - 2029**

Ensure Data management and data analytics with Personalized Medicine and wellness programs with a strong **Holistic Medicine with Spiritual Component. 2024 - 2039**

Plan to Hire Highly qualified experienced faculty, from across the world (reverse brain drain) in the next 5 years and give them academic, administrative and financial autonomy which will ensure Excellence in research, High Quality of teaching, High levels of funding, Adequate financial assistance to meritorious students to support a need-blind admissions process; **2024 - 2029**

Ensure a strong healthy HRM division which will Attract the best talent from within country and abroad, Excellent remuneration packages with Accommodation, a Transparent performance appraisals using Balanced score card , Combination of basic scientists from international universities and clinicians also interested in research who will be role models for the younger generation as faculty. Have a High powered selection committee of eminent Doctors , Administrators, Academicians and Researchers will be constituted to select the best faculty and support staff and ensure Ethical Credentialing and Privileging of all categories of staff. **2024 - 2029**

Appointment of Hospital Management qualified personnel to professionally manage and administer all the hospitals under TTD. **2024 - 2025**

Ensure a Excellent campus Infrastructure teaching , hospital, research, residential, mall, sports etc. **2024 - 2034**

Develop a state of art international research centre which includes basic research combined with clinical research with molecular biology and genetic research **2024 - 2034**

To introduce new courses at UG & PG level in emerging areas of technology. **2024 - 2030**

Modernization of more class rooms to e-classrooms using ICT tools. **2024 - 2029**

Conduct of workshops on the theme "Blended Learning" to all faculties of the Constituent Colleges. **2024 - 2029**

To embrace technology and digital initiatives, further to the development of skills and research and enable our students to have access to lifelong learning, we shall aim to become a leader in technology enabled teaching – learning and research institution. **2024 - 2029**

To develop focused Centres of Excellence on areas with potentially large societal impact in alignment with India's development goals. **2024 - 2029**

To design and develop a multidimensional Research Innovation Ecosystem to nurture academia – industry collaboration. **2024 - 2034**

Establishment of Research & Development Centre for Regenerative Medicine and stem cell based artificial organ transplants **2024 - 2034.**

To establish SVIMS INNOVATION INCUBATION CENTRE as an ideal Research and Development Innovation Ecosystem of the university which enable to nurture start up culture among young entrepreneurs. **2024 - 2034**

SVIMS To establish Laboratory for Health Sciences and Engineering : The need for developing affordable indigenous solutions for many healthcare problems in low and middle-income countries is very urgent. Under this proposal, in addition to specialised research equipment, two major facilities are proposed: (1) Animal facility in order to be able to take health sciences research to the next step and (2) BSL3 facility to handle risk group level 3 pathogens, for example M. tuberculosis etc. **2024 - 2030**

SVIMS to establish Advanced Laboratory for Data and Information Science as SVIMS has a large and active community of researchers who heavily rely on high-performance computing for their research activities. A world-class supercomputing facility would certainly enhance our capabilities in modelling and simulation which pervades all domains of contemporary science and technology research efforts and is closely allied with Data and Information Science. The following sub-areas are proposed to be supported in the project. a) Database System, b) Data mining and Machine learning, c) Information retrieval, d) Visual computing and e) Urban data science. **2024 - 2034**

Creation of Centers of Excellence over the next 5 to 15 years

2024 - 2029

- Centres of Excellence : Cardiac Sciences & Thoracic surgery
- Centres of Excellence : Gastroenterology sciences & Bariatric surgery,
- Centres of Excellence : Nephro- urology including pediatric nephrology
- Centres of Excellence : Hepato biliary and pancreatic sciences
- Centres of Excellence : Neurosciences – neurology and neurosurgery

- Centres of Excellence : Endocrinology esp Diabetes, Obesity ,thyroid
- Centres of Excellence : Interventional Radiology
- Centres of Excellence : Central OT, Hybrid OT,
- Centres of Excellence : robotic surgeries
- Centres of Excellence : Vascular surgery

2024 - 2029

Centres of excellence in Oncology – Balaji Institute of Oncology

- Tele pathology
- Molecular diagnostics
- Sub specialisation in surgical ,medical and pathology verticals.
- Chemotherapy – targeted, immunotherapy, CART T
- Bone marrow transplantation
- Research with Dana Faber, MD Anderson, Sloan Kettering, Cleveland
- Artificial Intelligence in oncology
- Robotic surgeries
- Paediatric oncology
- Gynec oncology
- GI oncology with hepatobiliary
- Ortho oncology
- Neuro oncology
- Psyc oncology

Community oncology

- AWARENESS OF ALL COMMON CANCERS
- MOBILE SCREENING VAN
- EPIDEMIOLOGY STUDIES
- Behavioral changes
- Follow up of cases
- Palliative care
- Registry with ICMR

2029 – 2034

- Centres of Excellence : Advanced Critical care centre with remote ICUs
- Centres of Excellence : Orthopaedics – joint replacements and deformity corrections with paediatrics
- Centres of Excellence : Pulmonology
- Centres of Excellence : Poly Trauma with ICUs & OTs
- Centres of Excellence : Infertility ,
- Centres of Excellence : Central Diagnostic Lab & Molecular Diagnostics
- Centres of Excellence : Organ Transplantation
- Centres of Excellence : Advanced Spine surgery
- Centres of Excellence : Maternal Fetal Medicine, NICs and PICUs
- Centres of Excellence : Infectious Diseases including the new variants

2034 - 2039

- Centres of Excellence : Rehabilitation with Physiotherapy, Sports Medicine
- Centres of Excellence : Rheumatology & Autoimmune Diseases
- Centres of Excellence : PMR
- Centres of Excellence : Plastic surgery with reconstructive and cosmetic surgery with gender surgery
- Centres of Excellence : Maxillofacial Sciences & dental subspecialties
- Centres of Excellence : Geriatric Care & Assisted living

2030 - 2039

- Centres of Excellence : HMIS, EMR, PACS, LIS
- Centres of Excellence : Artificial Intelligence
- Centres of Excellence : Bio informatics
- Centres of Excellence : SKILL LAB State of ART for all major specialties
- Centres of Excellence : Basic sciences and clinical research
- Centres of Excellence : Medical Education Cell
- Centres of Excellence : Atal Innovation Cell in major specialities
- Centres of Excellence : Hospital Management, Hospital & Health Economics
- Centres of Excellence : Nursing & Allied Health Sciences

The Main Focus will be on Quality Clinical care with good outcomes which leads to Excellence in Academics and Research to ensure happy satisfied patients. This will lead to Healthy populations which ensures high productivity and better financial output with increased GDP.

Web link to

- Strategic Plan document (Strategic plan department wise)
- Minutes of the Governing Council/ other relevant bodies for deployment / monitoring of the deliverables during the year
- Any other relevant information