

THRUST / PRIORITY AREAS OF RESEARCH IN HEALTH SCIENCES

I. FACULTY OF MEDICINE

- Management Strategies in Immunology and Diagnostic Markers.
- Emerging Infections.
- Foetal Diagnosis and Foetal Medicine.
- Clinical Research and Trials for Antidiabetic, Antihypertensive and Anti-allergic and other drugs.
- Chemotherapy of Cancer.
- Cardiac Interventional and Non-Interventional Therapy.
- Outreach Trauma Management.
- Joint Replacement.
- Sexual Disorders and Therapy in Male and Female.
- Endocrinology.
- Minimal Access Surgery.
- Nutrigenomic.
- Medical Biotechnology.
- Development of diagnostic kits for Ailments.
- Hepato-Biliary Disorders.
- Stem Cell (Tissue Banking)
- Osteoporoses
- Wound healing

II. FACULTY OF DENTISTRY

- Tobacco Associated Oral Diseases.
- Children Oral Health Assessment.
- Cleft and Palate related to Speech Outcome.
- Grading of Epithelial Dysplasia.
- Pregnant Women- Periodontal Health and Oral Hygiene Awareness.
- Saliva as Diagnostic Aid.
- Dental care of Physically Challenged
- Role of Herbal Medicine (Traditional) in Dentistry

III. FACULTY OF PHARMACY

- Nanotechnology.
- Micro particles.
- Biotransformations and Biodegradation.
- New Drug Delivery Systems.
- Computer aided Drug Design.
- Drug Discovery And Drug Development.
- Pharmacological Evaluation of New Moieties.
- Cardiovascular Pharmacology.
- Plant Tissue Culture.
- Herbal Formulation and their Standardizations.
- Drug Assays
- Synthesis of New Compounds and Antimicrobial Screening.
- Clinical Research
- Pharmacy Management
- Pharmacovigilance
- Nutraceuticals
- Cosmetic Technology
- Toxicological studies
- Pharmacogenomics
- Toxic epidemiology
- Nanotechnology & Nanomedicine

IV. FACULTY OF PHYSIOTHERAPY

- Neurodevelopmental therapy
- Vojjta therapy
- Schools of back care
- Community based rehabilitation
- Therapeutic Gym/Fitness training
- Exercise prescription/protocols
- Manual therapy in Orthopaedics
- Manual techniques in chest Physiotherapy

V. FACULTY OF NURSING

- Psychological, Spiritual interventions for HIV Patients to deal with Stress.
- Self-Assessment of risk status of Diabetes Mellitus, Its Implications for Disease Prevention by the Clients.
- Structured teaching program on prevention of Anemia among school children.
- Assessment of the knowledge and practices of postnatal multipara mothers regarding puerperal care.
- Study on Acceptance of services provided by ANM among Community in selected Areas.
- Stress and Coping Behavior seen Among Patients Diagnosed with myocardial infraction and Hospitalized.
- Knowledge and Health Status of the Patients Suffering with Diabetes Type-II.
- Prevalence of Obesity and Life Style Practices among Adolescent School Children.

VI. FACULTY OF AYURVEDA

- Standardization of herbal medicines
- Clinical Validation of Ayurvedic Drugs
- Effect of Rasayana drugs such as Guduchi, Shatavari, Kapikacchu Ashwagandha etc. Drugs on Various Immunoglobulins in respect to certain auto immuno disorders such as Rheumatoid Arthritis, Psoriasis, Eczema etc.
- Effect of Thiktaka Gritha Preparations on bone density prevention of bone degeneration in case of Osteoporosis.
- Effect of Dhoopana Drugs on Bronchial Asthma with special reference to Bronchospasma.
- Effect of Virechana on various immunoglobulins in different immunoglobulin disorders.
- Effect of Snehapana on Dyslipidaemia
- Seasonal Collection of Herbal Drugs and their Phytochemistry.

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- Estimation of different Sugars in case of Madhuarasa Dravyas.
- Effect of Jeevaneya Dravya on Tematozoospermia.
- Effect of Vajikarana drugs on various Seminal disorders & different Sexual Parameters.
- Standardization of Bhasma Procedures.
- Development of Objective parameters for Bhasma pariksha.
- Development of Objective parameters for Rasapanchaka and Gurvadiguna
- Natural History of AIDS prior (pre-pathogenic factors) as viewed by Ayurvedic Physician