

Programme Outcome (PO)

PO are what the graduates of an under graduate BAMS program should be able to do at the time of graduation.

PO₁ – Ayurvedic Knowledge :- should have a sound theoretical knowledge of fundamentals of ayurvedic siddhant

PO₂ – understanding of the subject together with an adequate clinical experience to be able to resolve clinical problem encountered independently or without assistance

PO₃- Clinical Skills

- Be competent at obtaining medical , Social, behavioral and medical history from patient/his relatives and elicit information about diet, hygiene and other health related behaviors
- Be competent at obtaining a full and accurate medical history
- Be competent at identifying signs and recognizing symptoms of common diseases
- Be competent at diagnosing uncommon, rare diseases with differential diagnosis
- Be able to apply theoretical knowledge and previous clinical experiences for perfect diagnosis
- Be competent at formulating a treatment plan management of patients
- Have knowledge of the clinical indication, contra indications, Side effects and limitations with available resources.
- Have physiological, Pathological and pharmacological knowledge of the relevant to manage medical cases
- Be competent at basic life support
- Have knowledge of the recognition of acute medical emergencies and its management

PO₄ - Practical Procedures

- Have knowledge of surgical principle and techniques
- Have knowledge of surgical and clinical procedures for diagnosis and management of patient.
- Have knowledge of pre-operative, operative and post operative complications of major and minor surgeries

PO₅- Medico-legal knowledge

- Have knowledge of legal framework related to clinical practice.
- Have knowledge of legal provisions related to medical negligence

PO₆- Business ethics

- Be aware and follow professional ethics of medical field

PO₇- Technology Support

- Be technology friendly and able to use it for clinical practice as well as for professional purpose.

PO₈ - Life Skills

- Interpersonal skills required for professional, Social and personal development
- Good communication and presentation skills
- Team building, Team handling and motivation

PO₉ - Management Skills

- Basic management skills required for hospital management

PO₁₀- Learning Skills

- Life long learning skills and good listening skills

Programme Specific outcomes (PSO)

1st year BAMS

- **Anatomy**

1. Students will be able to identify all the organelles of an animal cell and list their function
2. Students will be able to understand the chemical make-up of the human body at a molecular level and relate it to the body as a whole.
3. To provide an opportunity for medical students who distinguish themselves in human anatomy dissection consistency, theoretical knowledge & knowledge application, to undertake research based training in anatomy.
4. List clinical uses of the various forms of medical imaging in identifying anatomical structures, including x-ray, CT, MRI & ultrasound identify major anatomical structures using these techniques.
5. Recognize clinically relevant injuries, lesions & malformations of the human body & the central nervous system.

- **Physiology :-**

1. Students will be able to learn the fundamental scientific concept relating to a broad range of topics in animal physiology.
2. To gain practice & confidence in applying this knowledge, in a quantitative manner where appropriate, to actual experiments.
3. To become familiar with the basic factual information concerning the mechanisms & functioning of animals that biology students will require in the rest of their scientific careers in the rest of their scientific careers to develop investigative skills and to become familiar with standard technique of measurements.

- **Sanskrit :-**

1. To undertake interpretation of shastras.
2. To establish their relevance to the problems in the modern context.
3. To promote researching various topics of Sanskrit literature.
4. To establish literary, cultural, moral and sacramental, importance of Sanskrit in the present, social context & Values.

- **Ashtanghridaya**

1. Utilization of Knowledge of samhita in therapeutics Internal administration .
2. To know the details of dincharya Rutucharya Panchkarma
3. To study dridoshas, veg etc.

BAMS 2nd yr...

Dravyaguna Vigyana-

1. To promote the growth and development of Dravyaguna and hence Ayurveda.
2. To produce post graduates specialists in Dravyaguna which enrich the field of Ayurveda on scientific parameters.
3. To impart the complete knowledge of medicinal plants regarding their proper identification, cultivation, collection and research.
4. To study the diversity of medicinal flora of
5. To integrated the pharmacological studies with those of toxicological studies with those of toxicological studies to build up a picture of the undesired as well as the desired drug effect.

RASASHASTRA & BHAISHAJYA KALPANA...

1. To promote the growth and development of Rasashastra and Bhaishajya kalpana and hence Ayurveda.
2. To produce post graduates specialists in Rasashastra and Bhaishajya which enrich the field of Ayurveda on scientific parameters.
3. To impart the complete knowledge of selection of raw drugs, their collection, purification of poisonous drugs.
4. To acquire theoretical knowledge and practical skills of kalp i.e. formulations.
5. To develop and modify classical formulations with advanced technology.
6. To promote scientific research methods in Rasashastra and Bhaishajya kalpana.
7. To upgrade the knowledge regarding pharmacy according to GMP.

AGADTANTRA & VYAVAHAR AYURVED...

- 1.To promote the growth and development of Agadtantra and Vyavahar Ayurved and hence Ayurveda.
- 2.To produce post graduates specialists in Agadtantra and Vyavahar Ayurved which enrich the field of Ayurveda on scientific parameters.
3. To study the characters and treatment of toxic substances and different sources (plants, animals, minerals)
- 4.To ensure the study of accidental death, suicide, poisoning etc in connections with forensic medicine.
- 5.To build up a benchmark as quality Medico legal & Medical jurisprudence education and opinion provider.

CHARAK SAMHITA (PURVARDHA)...

- 1.To promote the growth and development of Charak Samhita and hence Ayurveda.
- 2.To produce post graduates specialists in Charak Samhita which enrich the field of Ayurveda on scientific parameters.
3. To study the community health and lifestyle modification by maintaining Dinacharya & Rutucharya mentioned in Charak Samhita.
4. To give theoretical knowledge of non curable disease condition according to symptoms explained in Indriyasthan.
5. To study the tools explained for maintaining mental and spiritual health explained in Sharirsthana.
- 6.To diagnose the various causative factors of diseases explained in Nidansthan.
- 7.To maintain health of gravida and tools for proper growth of foetus in the womb as explained in Sharirsthan.

BAMS 3rd year...

Streerog – Prasutitantra

1. Able to perform medical interview & physical exam of women incorporating ethical, social & diversity perspective to provide culturally competent health care.
2. Apply recommended prevention strategies to women through out the life span.
3. Develop his/her role as a leader & advocate for women.
4. Analytic the impact of genetics, medical conditions, & environment factors on maternal health & fetal development.

Balrog

1. Recognize & appropriately respond to acute life threading events.
2. The student should observe & be able to describe the necessary skills to resuscitate & describe the initial stabilization of critically ill child.
3. Demonstrate competence in basic airway skill of (appropriate providence of oxygen delivery devices & demonstration of bag mask ventilation)
4. Advanced airway skill & Skills & advanced intravenous skills
5. Understand the pathophysiology of Rx of common medical disorders (apnea, bronchiolitis, etc)
6. Understand the indication, perioperative management & complication of common surgical admission to NICU.
7. Understand the pediatric basic antibiotic therapy common sedatives, analgesics, drug pharmacokinetics & S/E
8. Understand the techniques of entreat & Parenteral nutritional techniques.

SwasthVritta

- 1) To know the structure & functioning of health system at the national & international level & its historical perspectives.
- 2) To know the principles of nutrition maternal health & family welfare & put the same into practice
- 3) Apply the principals of rpidemiology & Biostatistics to health practice including the design & implementation of health related research studies & clinical preventive medicine trial.
- 4) To know the principals of communicable & non communicable disease control & assist in the implentary of national health programme at programme level.
- 5) Apply the principals of envirmental & occupational health in the design of health programme aimed at improving health status.

Rognidan and Vikruti Vigyana

1. Student able to have knowledge , technical skills & experience necessary for residents to completely practice anatomic & clinical pathology.
2. He/She should have knowledge of basic pathological processes & skills needed to interpret laboratory data as well as make clinic pathologic correlation
3. Able to promote the development of investigation skills to better understand pathological process as they apply to both individual patients and general patient population.
4. Able to promote the acquisition of knowledge and provide experience in lab direction and management and encourage residents to assume a leadership role in education of other physician & allied health professionals.

Charak Samhita (Uttarardha)

1. Able to know the samprati of vyadhi described in charak samhita
2. Apply the chikitsa protocols on patients given in the samhita
3. Develop the knowledge about kalpas in samhita
4. Able to differentiate vyadhi as sadhnya , kashtasadhya & asadhya.
5. Develop knowledge about dose of kalpas according to avastha of vyadhi & avastha of patient.
6. To educate the students to understand the fundamental concepts of ayurveda.
7. To make samskruta as a speaking language in the campus.
8. To study & to do the research of original manu-scripts that are yet unexplored.

BAMS 4th year

Kayachikitsa

Student of 4th year should be able to

1. Thoroughly study & interpret different chikitsa Siddhant which are given in Charak Samhita
2. Case taking, investigations, diagnosis and management of common disease by ayurvedic medicine
3. Treatment of allergic manifestation & management of anaphylactic shock or emergency conditions
4. Interpretation of laboratorial data & clinical finding & arriving at a diagnosis
5. Training in routine ward procedures such as
 - Giving injection, intravenous infusion & blood transfusion
 - Abdominal & thoracic paracentesis
 - ECG recordings
 - Collection of blood sample for pathology etc
 - Pathya –Apathya vidyan

Shalyatantra

Student of 4th year should be able to

1. Thoroughly study the ayurvedic shalyatantra siddhant described in Sushrut Samhita
2. Diagnosis & management of common surgical disorders with Ayurvedic principles.
3. Identification, uses, demonstration of surgical instruments & method of sterilisation
4. Demonstration & practical use of anaesthetic technique & use of anaesthetic drugs
5. Observation of surgical procedures along with surgical emergencies & management
6. Training to develop skills in parasurgical procedures i.e Ksharkarma, Agnikarma, Ksharsutra, Raktamokshan, Application of bandages & Splints, Catherisation, Wound management, Injection, I & D of abscess, Suturing of open wound.

Shalakyatantra

Student of 4th year should be able to

1. Diagnosis & Management of common diseases of eye, nose, ear & head with ayurvedic principles
2. Identification, uses, demonstration of surgical / non surgical equipment/ instrument, materials used in shalaky chikitsa
3. O.P.D examination of eye, ear, nose, throat, dental, refractive error examination, ophthalmic equipment for diagnosis ophthalmic diseases, various tests for deafness etc.
4. Surgical procedures in ear, nose, throat, dental & ophthalmic problems
5. Procedures like anjana-karma, nasya, raktamokshan, karanapuran, shirodhara, putpak, kawal, gandush etc at O.P.D levels.

Panchkarma

Student of 4th year should be able to

1. Understand complete theoretical knowledge of panchakarma & shodhana, its importance for promotion of health, prevention & treatment of diseases. Importance of koshta & agni
2. Trividha Karma- Purva, Pradhana & Paschat karma in relation to shodhana & their importance
3. Indication of shodhana, shodhana according to ritu & general precaution for panchkarma
4. Specification of panchkarma theatre & necessary equipments
5. Observation of OPD patients, selection of different procedures of panchkarma, assistance to the procedure of panchkarma under guidance of panchakarma specialist

Research Methodology & Medical Statistics

Student of 4th year should be able to

1. Brief historical background of research in Ayurveda and contemporary medical science
2. Understand the scope, need, importance & utility of research in Ayurveda
3. Understanding different types of research, research process & research tools, the concept of evidence based medicine & scientific writing along with importance of ethics in research
4. Definition, scope, common statistical terms, parametric & non parametric tests & importance of the medical statistics along with introduction to commonly used statistical soft-wares

COURSE OUTCOME (CO)

- CO₁** - To promote the growth & development of Ayurveda
- CO₂** – To Produce graduates & post graduates in all branches of Ayurveda.
- CO₃** – To conduct Research on Various aspects of Ayurveda
- CO₄** – To provide medical care through Ayurvedic systems of medicine to the suffering humanity
- CO₅** – To Provide & assist in providing service & facilities of highest order for Research, Evolution, Training, consultation & guidance to Ayurvedic system of medicine
- CO₆** – To conduct Experiments & develop patterns of teaching UG & PG Education in branches of Ayurveda.

