

AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE.

PROGRAM NAME – BAMS

1.1.1 Summary table of course objectives for curricular development and implemented in the Aarihant Ayurvedic medical college & RI, Swarnim Start-up and Innovation University have relevance to the local, regional, national and global development needs:

Sr.No.	Programme	No. of Course Outcomes relevance to the local, regional, developmental needs	No. of Course Outcomes relevance to the national developmental needs	No. of Course Outcomes relevance to the global developmental needs
01	BAMS	51	117	91



AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE.

PROGRAM NAME – BAMS

Programme learning outcomes (PO)

At the end of the BAMS programme, the students will be able to:

- PO1** Demonstrate comprehensive knowledge and application of the Trisutra concept to explore root causes, identify clinical manifestations of disease to treat ailments and maintain healthy status.
- PO2** Demonstrate knowledge and skills in Ayurveda, acquired through integration of multidisciplinary perspectives and keen observation of clinical and practical experiences.
- PO3** Demonstrate proficiency in holistic, unique assessment of an individual for rational approach and decision-making in management of disease and maintenance of health.
- PO4** Perform procedures and therapeutic maneuvers with skill and dexterity in a variety of situations.
- PO5** Demonstrate knowledge, skills and attitudes to provide holistic quality care and preparedness to practice.
- PO6** Demonstrate agility, virtuous and ethical behaviour and compassion to improve the well-being of individuals and society.
- PO7** Demonstrate self-directedness in pursuit of knowledge and skills, which is required for advancing health care and wellbeing of society.
- PO8** Demonstrate the ability to effectively communicate with patients, families, community and peers
- PO9** Demonstrate an understanding of qualities and required skills as a practitioner, researcher and academician and an aspiration to become one.

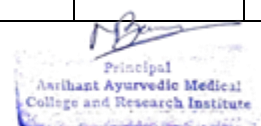


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Course Outcomes and its relevance to the Local/Regional, National and Global Needs					
			Relevance		
Course	CO No.	Course Outcomes	Local/ Regional	National	Global
1 st Year					
PADARTH VIGYANA M	101.1	Illustrate the scope and utility of Ayurveda	√	√	
	101.2	Explain Philosophical foundation of Ayurveda, Principles (Siddhantha) of Darshana along with their similarities and relevance in Ayurveda and contemporary sciences.	√	√	√
	101.3	Analyze and interpret Padartha (Prameya) in Darshana and Ayurveda. Recognize their applications in Ayurveda.	√	√	
	101.4	Distinguish, analyses and apply concept of Pramana shastra (Epistemology) in Darshana and Ayurveda. Demonstrate their applications in Ayurveda.	√	√	√
	101.5	Analyze and apply concept of Karya Karana Bhava in Ayurveda.	√	√	√
SAMSKRIT AM EVAM AYURVED ITHIHAS	102.1	Read and recite Prose (गद्यः) and poem (पद्यः) with the appropriate accent (उच्चारणस्थानानां तथा बाह्याभ्यन्तरप्रयत्नानां) उच्चारणस्थानानां बाह्याभ्यन्तरप्रयत्नानां च सहाय्येन पाठने तथा लेखने सामर्थ्ययम्।	√	√	
	102.2	Apply various Technical Terms in Ayurveda (पररभाषाशब्ः), Nouns & Pronouns (नामरूपाण तथा सर्यनामरूपाण), Verbs (धातुरूपाण), suffixes (प्रत्ययाः), Grammatical Terms (सांज्ञा), Syntax (सांधी) and Compounds (समासाः) from Sanskrit Grammar for enhanced interpretation of Ayurveda texts (आयुर्सांहिताः). पररभाषाशब्ेषु नामरूपेषु सर्यनामरूपेषु क्रियापेषु प्रत्ययेषु सांज्ञासु सन्धेषु समासेषु च ज्ञानां तद्वारा आयुर्सांहितासु अथायर्बोधनम् प्रायोगकवर्जनञ्च।		√	√
	102.3	Discriminate and interpret the Cases & meanings (वर्भक्त्यथय) used in various verses of Ayurveda texts (आयुर्सांहिता) कारकवर्भक्त्यथायहषु पररज्ञानां तथा आयुर्सांहितासु तेषां प्रयोगपररचयञ्च।		√	√
	102.4	Formulate the Prose order (अत्र्यः) of Slokas/Sutras in Ayurveda Textbooks (सांहिता) to derive the meaning (र्ाच्याथय), to determine the Scientific Meaning (शास्त्राथय) and to Translate (Regional or other language). अत्र्यलेखने र्ाच्याथयर्बोधने च सामर्थ्यं अनुर्ानपाटञ्च।	√	√	
	102.5	Interpret the Synonyms (पयाययाः) and Derivations (ननरुक्तत) of Ayurveda Terms using samskrita dictionaries (सांस्कृत शब्कोश), कोशग्रन्थानां सहाय्येन		√	√



		आयुर्वेदे वर्धमानानां पानां तेषां प्रययानाञ्च ननरुक्ततत्पर्यक पररज्ञानां तेषां प्रयोगे पररचयञ्च।			
	102.6	Speak, Write and Summarize and Express in Samskrit (सांस्कृतम्), सांस्कृतभाषायां भाषणे लेखने सङ्क्षिप्य ललखने अथयप्रकाशने च सामर्थयम्।	√	√	
	102.7	Develop the ethical responsibility towards the profession, society and human being. सामान्िक-औद्योक्रकक-मानुवषक धमयबोधता	√	√	
	102.8	Analyze and explain the important milestones in the history of Ayurveda		√	√
	102.9	Appreciate the status of Ayurveda in different time periods and Contributions made by different Acharyas to Ayurveda	√	√	√
KRIYA SHARIR	103.1	Explain all basic principles & concepts of Kriya Sharir along with essentials of contemporary human physiology and biochemistry related to all organ systems.		√	√
	103.2	Demonstrate and communicate normal and abnormal variables pertaining to KriyaSharir such as Sara, Agni, Koshtha, Srotas etc.	√	√	
	103.3	Differentiate between Prakriti and Vikriti in the individuals after carrying out relevant clinical examinations.	√	√	
	103.4	Carry out clinical examination and experiments using equipment with interpretation of their results.		√	√
	103.5	Differentiate the strengths & limitations of Ayurved and contemporary science.		√	√
	103.6	Present a short project work / research activity covering the role of Kriya Sharir in preventive and promotive healthcare.		√	√
	103.7	Show a sense of curiosity and questioning attitude towards the life processes and to display compassion and ethical behaviour.		√	√
	103.8	Effectively communicate verbally and in writing preferably using Ayurvedic terminology along with contemporary terminology among peers, teachers and community	√	√	
RACHANA SHARIR	104.1	Describe the fundamentals of Rachana Sharir, interpret and analyze it in relevant context and recognize its significance in Ayurveda.	√	√	
	104.2	Explain Garbha Sharir and Embryology in Ayurveda and modern science respectively with clinical significance.		√	√
	104.3	Describe and demonstrate all the bones and joints with attachments of associated structures and its clinical application.		√	√
	104.4	Explain the concept of Sira-Dhamani-Strotas, their organization in the human body and its applied aspect.	√	√	
	104.5	Identify the Marma and understand its classification along with its importance in preventive and therapeutic aspect.	√	√	
	104.6	Explain and demonstrate the gross anatomy of the organs of various systems and their applied anatomy in perspective of Ayurveda and Modern science.		√	√



	104.7	Explain the Indriya Sharir and Sensory organs with its application in preventive and therapeutic domain.	√	√	
	104.8	Identify and locate all the structures of body and mark the topography of the living Sharir.		√	
	104.9	Respect the cadaver and perform dissection with commitment to reiterate the theoretical aspect of Ayurved Rachana Sharir and contemporary sciences.		√	√
	104.10	Describe the basic principles of imaging technologies and identify the anatomical structures in the radiograph.		√	√
SAMHITA ADHYANA - 1	105.1	CO1 Distinguish the different Samhitas, their importance and methodology and familiarize with the tools of Samhita Adhyayan. (eg: tantrayukti)	√	√	
	105.2	CO2 Interpret and apply the sutras from the Samhitas.		√	√
	105.3	CO3 Apply and evaluate the Tridosha, Saptadhatu and Mala principles (theory).		√	√
	105.4	CO4 Practice and prescribe Dinacharya (daily regimen), Ritucharya (seasonal regimen) and dietary principles for preservation of health.	√	√	√
	105.5	CO5 Explore and distinguish different types of food, food groups and medicinal Dravyas mentioned in Samhitas.	√	√	
	105.6	CO6 Identify various etio-pathological factors and predict different treatment principles		√	√
	105.7	CO7 Recognize and explain the fundamentals behind various therapeutics (Shodhan and allied) and Para surgical therapies.		√	√
	105.8	CO8 Develop a code of behavior and show mature behavior in particular to the scientific deliberations.		√	√
2nd Year					
RASSHATRA EVAM BHISHAJYA VIGYAN	201.1	Demonstrate application of principles of Ayurvediya Aushadhi Nirmana (Ayurvedic Pharmaceutics).	√	√	
	201.2	Demonstrate application of principles of Ayurvediya Aushadhi Prayoga Vigyana (Clinical Pharmacology)		√	√
	201.3	Prepare Ayurvedic formulations in adherence to quality control parameters for raw materials, in-process and finished products.		√	√
	201.4	Justify rationality of selection and administration of Ayurvedic formulations.	√	√	
	201.5	Demonstrate application of ethical, legal and regulatory aspects of manufacturing and sale of Ayurvedic formulations.		√	√
	201.6	Appraise research in current and emerging trend in Ayurvedic pharmaceuticals and allied sciences.		√	√
AGADA TANTRA EVAM VIDHI VAIDYAKA	202.1	Demonstrate application of fundamental concepts of Agada Tantra, Vyavahara Ayurveda and Vidhi vaidyaka in real life situations.		√	
	202.2	Diagnose and manage acute and chronic poisoning due to Sthavara, Jangama and Kritrim visha along with their contemporary relevance.		√	√



	202.3	Demonstrate application of concepts of Dushivisha, Garavisha and Viruddha ahara in prevention, diagnosis and management of diseases.	√	√	
	202.4	Demonstrate application of principles of Agada Tantra and therapeutic administration of common Agada yoga and Visha dravya in Clinical practice.	√		
	202.5	Appreciate research updates in relevance to Agada Tantra and apply for healthcare promotion and social awareness.		√	√
	202.6	Demonstrate application of professional skills of Forensic Medicine in handling medico legal issues.		√	√
	202.7	Demonstrate professional and ethical behavior in discharging the medicolegal duties and responsibilities in accordance to the law.		√	√
SAMHITA ADHYANA 2	203.1	Justify the Methodology of structuring samhitas and appraise the importance of tools of decoding Charakasamhita (Tantrayukti and vyakhyana).	√		
	203.2	Relate and interpret various references of concepts in Charakasamhita.	√		
	203.3	Explain and interpret biological factors and their measurements in the manifestation of diseases.		√	√
	203.4	Explain and utilize various siddhantas in different dimensions of clinical practice.	√		
	203.5	Demonstrate the knowledge of dravya and adravya based therapeutics.	√		
	203.6	Apply diagnostic guidelines regarding diseases including arishta lakshana based on the principles mentioned in Charakasamhita.		√	√
	203.7	Explore the determinants of health in the background of Charakasamhita.		√	
	203.8	Develop ethical professional and moral codes and conducts as a physician.		√	√
DRAVYAG UNA VIGYAN	204.1	Demonstrate the application of principles of Dravyaguna in clinical practice.	√		
	204.2	Analyze and justify the fundamental principles of Dravyaguna in relevance to contemporary sciences.		√	√
	204.3	Analyze and interpret Rasa Panchaka of Dravya with their application in clinical practice.	√		
	204.4	Interrelate the knowledge on Karma (pharmacological actions) with Rasa panchaka and basic contemporary clinical pharmacology.			√
	204.5	Demonstrate and Justify the ability to select the specific Dravyas, Prashata Bhesaja with different dosage forms in different clinical conditions.	√		
	204.6	Demonstrate knowledge of quality control methods of drug.		√	√
	204.7	Demonstrate knowledge and skills about Apamishrana (adulterants), Abhava pratinidhidravya (substitutes), Prashata Bhesaj (ideal drug) and plant extracts.	√		
	204.8	Identify the medicinal plants and orient about conservation, cultivation, sustainable utilization & Pharmacovigilance.	√	√	√



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	204.9	Demonstrate fundamental principles of applied Pharmacology.		√	√
ROGA NIDAN EVAM VIKRITI VIGYAN	205.1	Identify the morbidities in accordance with principles of Ayurveda pathology (vikritivigyan siddhanta).	√		
	205.2	Describe the basic, general, and systemic pathological process thereby applying it in reaching a diagnosis.		√	
	205.3	Perform appropriate clinical examination (pareeksha) utilizing Ayurveda and contemporary principles (samakalina siddhanta).	√	√	
	205.4	Order and interpret various diagnostic laboratory investigations and imaging.		√	√
	205.5	Diagnose and present the case with clinical reasoning (naidanika tarka)	√		
	205.6	Follow and advise advancements in diagnosis (vyadhi vinischaya) and prognosis (sadhya asadhyata) in clinical practice (naidanika adhyayana)	√	√	
	205.7	Communicate effectively with the patient (rugna), relatives (bandhujan) and other stakeholders (anya hita dhaarakas)		√	√
	205.8	Demonstrate ethics (sadvritta), compassion (karuna) and possess qualities of a clinician (vaidya guna)	√		√
SWASTHA VRITTA EVAM YOGA	206.1	Demonstrate application of principles of Swasthavritta in lifestyle modifications.	√	√	
	206.2	Assess the health status and advise preventive & promotive measures according to Ayurveda principles.		√	√
	206.3	Demonstrate and advise Yoga and Naturopathy as health promotive and disease preventive regime.		√	√
	206.4	Understand and apply the principles and components of primary health care and health policies to achieve the goal of health for all.		√	√
	206.5	Advocate and propagate preventive principles of Ayurveda and contemporary sciences through Information, Education and Communication (IEC).	√	√	
	206.6	Conduct community surveys and apply epidemiological principles for the assessment of health & morbidity as a community physician.	√	√	
	206.7	Understand and apply the principles of environmental health and its effects on public health with control measures.		√	√
	206.8	Demonstrate skills and research aptitude for the promotion of health and prevention of diseases.			√
3RD Year					
KAYACHI KITS INCLUDING MANASA ROGA, RASAYAN AND	301.1	Appraise the knowledge of health and diseases along with principles and practices of Kayachikitsa in various ailments of adult population in alignment with Trisutra concept.	√	√	
	301.2	Integrate the application of multidisciplinary sciences, tools and techniques for a biopsychosocial approach towards diagnosis,		√	√



VAJIKARANA		prognosis & management of diseases including anukta roga to restore dhatusamya			
	301.3	Construct treatment plans/protocols applying yukti in accordance with the Chikitsa sutra including pathya apathya with appropriate documentation adhering to legal, safety and regulatory standards.		√	√
	301.4	Demonstrate the application of Rasayana and Vajikarana as prophylactic, therapeutic, restorative and palliative medicine.		√	√
	301.5	CO5 Perform various skills (Karma kaushalya) in dealing with atyayika avastha including first aid and primary management.	√	√	
	301.6	Demonstrate self directedness in pursuit of new advancements in the field of biomedical research and government health care policies.		√	√
	301.7	Demonstrate agility, virtuous, ethical behaviour, compassion and communicate effectively with patients, relatives, and stakeholders about the prognosis and treatment including informed consent.			√
PANCHAKARMA	302.1	Describe the fundamental concepts of Panchakarma	√	√	
	302.2	Identify and describe drugs, dose, instruments and their method of application in Panchakarma procedures	√	√	
	302.3	Analyze the clinical applications of each procedure based on fundamental principles		√	√
	302.4	Illustrate comprehensive knowledge of Panchakarma procedures with appropriate and sequential Purva Karma, Pradhana Karma and Paschat Karma		√	√
	302.5	Demonstrate skills in performing procedures in various situations		√	√
	302.6	Assess the therapeutic efficiency and manage complications		√	√
	302.7	Utilize technological advancements and allied therapeutic interventions		√	√
	302.8	Possess qualities of a good Communicator and ethical Clinician & Researcher			
SHALYA TANTRA	303.1	Apply knowledge, critical thinking, and analytical skills for diagnosis and management of Shalya Tantra conditions with relevant contemporary science.		√	√
	303.2	Demonstrate the common surgical and parasurgical procedures competently		√	√
	303.3	Demonstrate adequacy of patient care through effective communication and interpersonal skills.			√
	303.4	Promote awareness of Ayurvedic surgical practices within the community, advocating for healthcare policies that integrate traditional and modern surgical practices	√	√	
	303.5	Select, and apply appropriate methods /procedures and resources in patient management related to computing technical tools with an understanding of the limitations of Ayurveda and modern medicine.		√	√



	303.6	Recognize surgical emergencies and trauma cases, coordinate resuscitative measures and manage accordingly or by referral for expert care at the optimum time.		√	√
	303.7	Demonstrate professionalism with high ethical standards, imbuing the leadership quality, and be committed to continuous improvement of skills and knowledge in the field of Shalya Tantra research.			√
SHALAKYA TANTRA	304.1	Demonstrate clinical application of anatomy and physiology of the Netra, Karna, Nasa, Mukha, Shiras.	√	√	
	304.2	Identify and understand Nidana-panchaka of diseases in Shalakyatantra according to Ayurveda and contemporary medical science. (Rogapareeksha)		√	√
	304.3	Conduct appropriate clinical examinations using various diagnostic and imaging techniques, along with appropriate instrument usage and interpretation, as per Ayurveda and contemporary medical sciences.		√	√
	304.4	Present the cases related to Shalakyatantra with clinical reasoning (Naidanika Tarka) along with prognosis (Sadhya-asadhyata) in clinical practice.		√	√
	304.5	Acquire a knowledge of principles of treatment and various therapeutic measures related to Shalakyatantra, according to Samhitas and contemporary medical science.		√	√
	304.6	Perform appropriate therapeutic measures related to Shalakyatantra and seek or refer for expert opinion whenever needed.		√	√
	304.7	Communicate effectively with the patient, relatives and other stakeholders.			√
	304.8	Demonstrate ethics (Sadvratta), compassion (Karuna) and possess qualities of a clinician (Vaidyaguna).			√
PRASUTI TANTRA EVAM STREE ROGA	305.1	Explain anatomy, physiology, neuro-endocrinology of reproduction and implement Garbhini Paricharya (Antenatal care), Garbha Samskara to achieve Shreyasi Praja (healthy progeny) and minimize maternal morbidity and mortality	√	√	
	305.2	Explain Youvanavastha(Puberty), Kishoravastha(Adoloscence) and Rajonivrutti (Menopause). Diagnose Yonivyapad (Gynecological disorders), Artava vyapad (Menstrual disorders), Vandhyatva (Infertility), StanaRoga with integration of Ayurveda principles and Scientific advances for holistic management.		√	√
	305.3	Perform Sthanika upakrama (in-situ treatment), Panchakarma and Surgical procedures and implement drug interventions ethically ensuring patient safety		√	√
	305.4	Perform Normal labor, anticipate Obstetric emergencies and ensure timely referral. Manage Sutika (normal puerperium) and Sutika Vyapad		√	√



		(abnormal puerperium). Postpartum counseling on contraceptives.			
	305.5	Participate in National maternal health programs and comprehend the medicolegal aspects related to Prasuti tantra and Stree Roga including the MTP ACT and PC-PNDT ACT.		√	
	305.6	Demonstrate professional ethics, communication skills with compassionate attitude, engage in clinical research embracing the principles of lifelong learning and professional development.			√
KAUMARA BHRITYA	306.1	Evaluate normal growth and development and its deviation in children.		√	√
	306.2	Diagnose and manage Bala Roga (Paediatric diseases) using both Ayurveda principles and contemporary medical science.		√	√
	306.3	Demonstrate knowledge and skills in assessing and intervening child health through Ayurveda with research updates.		√	√
	306.4	Demonstrate effective communication skills to build a good rapport with child/care taker that encourage participation in the shared decision making for the child health care.			√
	306.5	Formulate Ayurveda methods of building good health and immunity for a child	√	√	
	306.6	Construct the ability to customize the Ahara and Vihara with respect to Vaya, Ahara Prakarana, Prakruti and Roga Avasta of the child	√	√	
	306.7	Demonstrate the skill of handling the child and perform the Panchakarma in Balaroga.		√	√
	306.8	Advocate the child rights, Respect the diversity and abide to the ethical and legal code of conduct in the child health care			√
SAMHITA ADHYAYA N-3	307.1	Justify the methodology of structuring Samhitas and assess the importance of decoding Samhitas using Tantrayukti and Vyakhya.	√	√	
	307.2	Apply Samhita Sutras for clinical decision-making in patient care.		√	√
	307.3	Interpret stage-wise treatment plans based on the principles outlined in Samhitas.		√	√
	307.4	Appraise Rasayana and Vajikarana, its significance in health promotion and management of diseases.		√	√
	307.5	Evaluate therapeutic procedures and identify potential complications along with their management.		√	√
	307.6	Analyze the principles for appropriate selection of formulations and their application in Chikitsa.		√	√
	307.7	Recognize the importance of Samhita-based practices in achieving positive therapeutic outcomes, supported by research evidence and clinical studies that validate traditional methodologies and their efficacy in contemporary healthcare.		√	√
	307.8	Develop and implement ethical principles, moral values, and effective communication skills as healthcare professionals.			√



RESEARCH H METHODOLOGY AND MEDICAL- STATISTICS	308.1	Explain and utilize research methods and statistical concepts.		√	√
	308.2	Distinguish, analyse and apply research types. Recognize their application in ayurveda.		√	√
	308.3	Explore and utilize various databases and guidelines.			√
	308.4	Distinguish, analyse and apply statistical tests. Recognize their application in ayurveda.		√	√
	308.5	Apply ethical aspect in conducting quality research.			√

