Course Code and Name of Course

	Course code	Name of Course
	AyUG-PV	Padartha Vijnanam (Fundamental Principles of Ayurveda and Quantum Mechanics)

AyUG-PV Course

Table 1- Course learning outcomes and matched PO.

CO	**Course learning Outcomes** (CO) **AyUG-PV** At the end of the course AyUG-PV, the student should be able to-	**Course learning Outcome matched with program learning outcomes.**
CO 1	Illustrate the scope and utility of Ayurveda	PO1
CO 2	Explain Philosophical foundation of Ayurveda, Principles (Siddhantha) of Darshana along with their similarities and relevance in Ayurveda and contemporary sciences.	PO1, PO2, PO6
CO 3	Analyse and interpret Padartha (Prameya) in Darshana and Ayurveda. Recognize their applications in Ayurveda.	PO1, PO2, PO9
CO 4	Distinguish, analyse and apply concept of Pramana shastra (Epistemology) in Darshana and Ayurveda. Demonstrate their applications in Ayurveda.	PO1, PO2, PO9
CO 5	Analyse and apply concept of Karya Karana Bhava in Ayurveda.	PO1, PO2, PO9

Course Code and Name of Course

	Course code	Name of Course
	AyUG-SA1	**Samhita Adhyayan 1**

AyUG SA1 Course

Table 1- Course learning outcomes and matched PO.

SR1 CO No	**A1 Course learning Outcomes (CO) AyUG SA1 At the end of the course AyUG-SA1, the students should be able to-**	**B1 Course learning Outcomes matched with program learning outcomes.**
CO1	Distinguish the different *Samhitas*, their importance and methodology and familiarize with the tools of *Samhita Adhyayan*. (eg: *tantrayukti*)	PO2, PO9
CO2	Interpret and apply the *sutras* from the *Samhitas*.	PO1
CO3	Apply and evaluate the *Tridosha*, *Saptadhatu* and *Mala* principles (theory).	PO1, PO3, PO5
CO4	Practice and prescribe *Dincharya* (daily regimen), *Ritucharya* (seasonal regimen) and dietary principles for preservation of health.	PO2, PO7, PO8
CO5	Explore and distinguish different types of food, food groups and medicinal *dravyas* mentioned in *Samhitas*.	PO1, PO2
CO6	Identify various etiopathological factors and predict different treatment principles	PO1, PO5
CO7	Recognize and explain the fundamentals behind various therapeutics (*Shodhan* and allied) and parasurgical therapies.	PO2, PO5
CO8	Develop a code of behavior and show mature behaviour in particular to the scientific deliberations.	PO 6, PO 9

	Course code	Name of Course
	AyUG KS	Kriya Sharir (Human Physiology)

AyUG KS Course

Table 1- Course learning outcomes and matched PO.

SR1 CO No	A1 Course learning Outcomes (CO) AyUG KS At the end of the course AyUG-KS, the student should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO 1	Explain all basic principles & concepts of Kriya Sharir along with essentials of contemporary human physiology and biochemistry related to all organ systems.	PO1, PO2
CO 2	Demonstrate and communicate normal and abnormal variables pertaining to Kriya Sharir such as Sara, Agni, Koshtha, Srotas etc.	PO2, PO3
CO 3	Differentiate between Prakriti and Vikriti in the individuals after carrying out relevant clinical examinations.	PO1, PO2, PO3, PO5
CO 4	Carry out clinical examination and experiments using equipments with interpretation of their results	PO4
CO 5	Differentiate the strengths & limitations of Ayurved and contemporary sciences	PO2
CO 6	Present a short project work / research activity covering the role of Kriya Sharir in preventive and promotive healthcare.	PO5, PO6, PO7, PO8, PO9
CO 7	Show a sense of curiosity and questioning attitude towards the life processes and to display compassion and ethical behaviour	PO2, PO5, PO6, PO7, PO9
CO 8	Effectively communicate verbally and in writing preferably using Ayurvedic terminology along with contemporary terminology among peers, teachers and community	PO8, PO9

	Course code	Name of Course
	AyUG RS	**Rachana Sharir (Human Anatomy)**

AyUG RS

Table 1- Course learning outcomes and matched PO.

SR1 CO No	**A1 Course learning Outcome (CO) AyUG RS At the end of the course AyUG RS, the student should be able to-**	**B1 Course learning Outcome matched with program learning outcomes.**
CO1	Describe the fundamentals of Rachana Sharir, interpret and analyze it in relevant context and recognize its significance in Ayurveda	**PO1, PO2**
CO 2	Explain Garbha Sharir and Embryology in Ayurveda and modern science respectively with clinical significance	**PO1, PO2**
CO 3	Describe and demonstrate all the bones and joints with attachments of associated structures and its clinical application	**PO1, PO2**
CO 4	Explain the concept of Sira-Dhamani-Strotas, their organization in the human body and its applied aspect	**PO1, PO2**
CO 5	Identify the Marmas and understand its classification along with its importance in preventive and therapeutic aspect	**PO1, PO2**
CO 6	Explain and demonstrate the gross anatomy of the organs of various systems and their applied anatomy in perspective of Ayurveda and Modern science	**PO1, PO2, PO3**
CO 7	Explain the Indriya Sharir and Sensory organs with its application in preventive and therapeutic domain.	**PO1, PO2**
CO 8	Identify and locate all the structures of body and mark the topography of the living Sharir.	**PO1, PO3**
CO 9	Respect the cadaver and perform dissection with commitment to reiterate the theoretical aspect of Ayurved Rachana Sharir and contemporary sciences.	**PO1, PO3, PO5**
CO 10	Describe the basic principles of imaging technologies and identify the anatomical structures in the radiograph	**PO1, PO2, PO3**

	Course code	Name of Course
	AyUG SN & AI	**Sanksrit and Ayurved Itihas**

AyUG SN & AI Course

Table 1- Course learning outcomes and matched PO.

SR1 CO No	**A1 Course learning Outcome (CO) AyUG SN & AI At the end of the course AyUG SN & AI, the student should be able to-**	**B1 Course learning outcomes matched with program learning outcomes.**
Sanskrit		
CO1	Read and recite Prose (गद्य:) and poem (पद्य:) with the appropriate accent (उच्चारणस्थानानि तथा बाह्याभ्यरप्रयत्नानि). उच्चारणस्थानानां बाह्यभ्यन्तरप्रयत्नानां च सहाय्येन पाठने तथा लेखने सामर्थ्यम् |	PO-5, PO-6, PO-7, PO-8, PO-9
CO 2	Apply various Technical Terms in Ayurveda (परिभाषाशब्दा:), Nouns & Pronouns (नामरूपाणि तथा सर्वनामरूपाणि), Verbs (धातुरूपाणि), suffixes (प्रत्यया:), Grammatical Terms (संज्ञा), Syntax (संधी) and Compounds (समासा:) from Sanskrit Grammar for enhanced interpretation of Ayurveda texts (आयुर्वेद संहिता:). परिभाषाशब्देषु नामरूपेषु सर्वनामरूपेषु क्रियापदेषु प्रत्ययेषु संज्ञासु सन्धिषु समासेषु च ज्ञानं तद्द्वाराआयुर्वेदसंहितासु अर्थावबोधनम् प्रायोगिकविज्ञानञ्च |	PO-5, PO-7, PO-9
CO 3	Discriminate and interpret the Cases & meanings (विभाक्त्यर्थ) used in various verses of Ayurveda texts (आयुर्वेद संहिता). कारकविभक्त्यर्थादिषु परिज्ञानं तथा आयुर्वेदसंहितासु तेषां प्रयोगपरिचयञ्च |	PO-5, PO-7, PO-9
CO 4	Formulate the Prose order (अन्वय:) of Slokas/Sutras in Ayurveda Textbooks (संहिता) to derive the meaning (वाच्यार्थ), to determine the Scientific Meaning (शास्त्रार्थ) and to Translate (Regional or other language). अन्वयलेखने वाच्यार्थावबोधने शास्त्रार्थावबोधने च सामर्थ्यं अनुवादनपाटवञ्च |	PO-5,PO-6, PO-7, PO-8, PO-9
CO 5	Interpret the Synonyms (पर्यायाः) and Derivations (निरुक्ति) of Ayurveda Terms using samskrita dictionaries (संस्कृत शब्दकोश). कोशग्रन्थानां सहाय्येन आयुर्वेदे विद्यमानानां पदानां तेषां पर्यायानाञ्च निरुक्तिपूर्वक परिज्ञानं तेषां प्रयोगे परिचयञ्च |	PO-5, PO-7, PO-9
CO 6	Speak, Write and Summarize and Express in Samskrit (संस्कृतम्). संस्कृतभाषायां भाषणे लेखने सङ्क्षिप्य लिखने अर्थप्रकाशने च सामर्थ्यम् |	PO-5,PO-6, PO-7, PO-8, PO-9
CO 7	Develop the ethical responsibility towards the profession, society and human being. सामाजिक- औद्योकिक-मानुषिक धर्मबोधता	PO-6 & PO-8
Ayurved Itihas		
CO 8	Analyse and explain the important milestones in the history of Ayurveda	PO-1
CO 9	Appreciate the status of Ayurveda in different time periods and Contributions made by different Acharyas to Ayurveda.	PO-1

Course code	Name of Course
AyUG-RB	Rasashastra evam Bhaishajyakalpana

Table 1- Course learning outcomes and matched PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-RB At the end of the course AyUG-RB, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate application of principles of Ayurvediya Aushadhi Nirmana (Ayurvedic Pharmaceutics)	PO1,PO5,PO7
CO2	Demonstrate application of principles of Ayurvediya Aushadhi Prayoga Vigyana (Clinical Pharmacology)	PO1,PO5,PO7
CO3	Prepare Ayurvedic formulations in adherence to quality control parameters for raw materials, in-process and finished products	PO1,PO3,PO4,PO5, PO6,PO7,PO8
CO4	Justify rationality of selection and administration of Ayurvedic formulations	PO3,PO5,PO6,PO7, PO8,PO9
CO5	Demonstrate application of ethical, legal and regulatory aspects of manufacturing and sale of Ayurvedic formulations.	PO2,PO8,PO9
CO6	Appraise research in current and emerging trend in Ayurvedic pharmaceuticals and allied sciences.	PO7,PO9

Course code	Name of Course
AyUG-AT	Agad Tantra evam Vidhi Vaidyaka

Table 1- Course learning outcomes and matched PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-AT At the end of the course AyUG-AT, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate application of fundamental concepts of Agada Tantra, Vyavahara Ayurveda and Vidhi vaidyaka in real life situations.	PO1,PO2
CO2	Diagnose and manage acute and chronic poisoning due to Sthavara, Jangama and Kritrima visha along with their contemporary relevance.	PO1,PO2,PO3,PO4, PO5
CO3	Demonstrate application of concepts of Dushivisha, Garavisha and Viruddha ahara in prevention, diagnosis and management of diseases.	PO1,PO2,PO3,PO4, PO5
CO4	Demonstrate application of principles of Agada Tantra and therapeutic administration of common Agada yoga and Visha dravya in Clinical practice.	PO2,PO3,PO4,PO5, PO9
CO5	Appreciate research updates in relevance to Agada Tantra and apply for healthcare promotion and social awareness.	PO6,PO7,PO8,PO9
CO6	Demonstrate application of professional skills of Forensic Medicine in handling medico legal issues.	PO2,PO3,PO6
CO7	Demonstrate professional and ethical behavior in discharging the medico-legal duties and responsibilities in abidance to the law.	PO5,PO6,PO8,PO9

Course code	Name of Course
AyUG-SA2	Samhita Adhyayan-2

Table 1- Course learning outcomes and matched PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-SA2 At the end of the course AyUG-SA2, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	**Justify the Methodology of structuring samhitas and appraise the importance of tools of decoding Charakasamhita (Tantrayukti and vyakhyana)**	PO1
CO2	**Relate and interpret various references of concepts in Charakasamhita**	PO1
CO3	**Explain and interpret biological factors and their measurements in the manifestation of diseases.**	PO1,PO3
CO4	**Explain and utilize various siddhantas in different dimensions of clinical practice.**	PO1,PO3,PO5
CO5	**Demonstrate the knowledge of dravya and adravya based therapeutics.**	PO1,PO3,PO5
CO6	**Apply diagnostic guidelines regarding diseases including arishta lakshana based on the principles mentioned in Charakasamhita**	PO1,PO3,PO7
CO7	**Explore the determinants of health in the background of Charakasamhita.**	PO1
CO8	**Develop ethical professional and moral codes and conducts as a physician.**	PO6,PO8,PO9

Course code	Name of Course
AyUG-DG	Dravyaguna Vigyan

Table 1- Course learning outcomes and matched PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-DG At the end of the course AyUG-DG, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate the application of principles of *Dravyaguna* in clinical practice.	PO1,PO2,PO8
CO2	Analyze and justify the fundamental principles of *Dravyaguna* in relevance to contemporary sciences.	PO1
CO3	Analyze and interpret *Rasa Panchaka* of *Dravya* with their application in clinical practice.	PO5,PO9
CO4	Interrelate the knowledge on Karma (pharmacological actions) with *Rasa panchaka* and basic contemporary clinical pharmacology.	PO2
CO5	Demonstrate and Justify the ability to select the specific *Dravyas*, Prashata Bheshaja with different dosage forms in different clinical conditions.	PO3,PO7,PO9
CO6	Demonstrate knowledge of quality control methods of drug.	PO3
CO7	Demonstrate knowledge and skills about *Apamishrana* (adulterants), *Abhava pratinidhidravya* (substitutes), *Prashastabheshaja* (ideal drug) and plant extracts.	PO5,PO6
CO8	Identify the medicinal plants and orient about conservation, cultivation, sustainable utilization & Pharmacovigilance	PO4,PO6
CO9	Demonstrate fundamental principles of applied Pharmacology.	PO2

Course code	Name of Course
AyUG-RN	Roga Nidan evam Vikriti Vigyan

Table 1- Course learning outcomes and matched PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-RN At the end of the course AyUG-RN, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Identify the morbidities in accordance with principles of Ayurveda pathology (vikriti vigyan siddhanta)	PO1
CO2	Describe the basic, general, and systemic pathological process thereby applying it in reaching a diagnosis	PO2,PO3
CO3	Perform appropriate clinical examination (pareeksha) utilizing Ayurveda and contemporary principles (samakalina siddhanta)	PO2,PO3,PO4
CO4	Order and interpret various diagnostic laboratory investigations and imaging	PO2,PO3
CO5	Diagnose and present the case with clinical reasoning (naidanika tarka)	PO5
CO6	Follow and advise advancements in diagnosis (vyadhi vinischaya) and prognosis (sadhya asadhyata) in clinical practice (naidanika adhyayana)	PO7
CO7	Communicate effectively with the patient (rugna), relatives (bandhujan) and other stakeholders (anya hita dhaaraka)	PO8
CO8	Demonstrate ethics (sadvritta), compassion (karuna) and possess qualities of a clinician (vaidya guna)	PO6,PO9

Course code	Name of Course
AyUG-SW	Swasthavritta evam Yoga

Table 1- Course learning outcomes and matched PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-SW At the end of the course AyUG-SW, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate application of principles of Swasthavritta in lifestyle modifications.	PO1,PO2,PO4,PO6
CO2	Assess the health status and advise preventive & promotive measures according to Ayurveda principles	PO3
CO3	Demonstrate and advise Yoga and Naturopathy as health promotive and disease preventive regimen	PO1,PO4
CO4	Understand and apply the principles and components of primary health care and health policies to achieve the goal of health for all	PO2,PO5
CO5	Advocate and propagate preventive principles of Ayurveda and contemporary sciences through Information, Education and Communication(IEC)	PO8
CO6	Conduct community surveys and apply epidemiological principles for the assessment of health & morbidity as a community physician	PO2,PO5
CO7	Understand and apply the principles of environmental health and its effects on public health with control measures	PO3,PO4
CO8	Demonstrate skills and research aptitude for the promotion of health and prevention of diseases	PO9