

TWO YEARS P.G. DIPLOMA COURSE IN VIKIRAN AVUM CHHAYA (FULL TIME)

Rationale for the need of this course :

Darshan Pariksha may do with many tools like Nadi Yantra etc. The Vikiran Avum Chhaya (Radiology and Imaging), the most efficient and non-invasive diagnostic tool, is also a tool for Darshan Pariksha. The basic aim of Radiology was already in existence in Ayurveda. Now a days there is lack of teaching and training of Radio-diagnosis in medical graduates and Post Graduates. So it is necessary to propagate the knowledge of Radio-diagnosis amongst medical graduates to understand the Ayurvedic context, to enhance the knowledge of Student for the help of suffering peoples, to evaluate the effectiveness of indigenous drugs for global acceptance of Ayurveda. PG Diploma course in Vikiran Avum Chhaya Vigyan will fulfill these objects.

As CCIM has recognized postgraduate course in Vikiran Avum Chhaya Vigyan but this course has not been yet started in our university and thus the PG course in Vikiran Avum Chhaya Vigyan will not be able to fulfill the demand of entire country. Therefore to start the diploma courses in this subject is an emergent need of the nation.

Details of the course

Name of the course	: 2 years P.G. Diploma in Vikiran Avum Chhaya Vigyan
Duration	: 2 years
Qualification	: M.B.B.S/B.A.M.S./B.U.M.S/ M.D.(Ay.)/ M.S.(Ay.)
Age	: Maximum 35 years
Percentage of marks	: Minimum 50% in Graduate course
Number of seats	: Three (3)
Tuition fees	: Rs. 50000.00 per year, excluding admission and examination fees as per university rules.
Hostel facility	: Not available.
Syllabus	: As enclosed.
Examination	: Two annual examinations.

1st year—two theory papers, each of three hours, each carrying 100 marks Total—200 marks. Practical and viva— 200 marks.

2nd year—two theory papers of three hours, each carrying 100 marks. Total—200 marks. Practical and viva -200 marks.

Award of diploma: Diploma will be awarded to the candidates scoring minimum 50% marks in theory and practical separately.

Procedure of selection: By common entrance test organized by department of Shalya Tantra, Faculty of Ayurveda as below.

Entrance Test Pattern :

1. The test will be based on multiple choice questions of Graduate label, 100 questions carrying one mark each. There will be no negative marking.

Entrance qualifying marks will be minimum 50%.

Syllabus for

1st year

Paper first—History and development of Vikiran Avum Chhaya

Introduction, Induction, Discipline in Radio-diagnosis Unit, Ethics in Radiology, History and development of vikiran avum chhaya, Structure of an ideal Radio-diagnosis unit. Fundamental principles of Ayurveda i.e. Dosh, Dhatu, Mala, Panch Mahabhuta, Prakriti and Kshat Kriyakala, PanchNidan, Fundamental principles of Vikiran avum chhaya vigyan, Concept of vikiran and chhaya in Ayurveda and advances in medical science, general consideration of Vikiran avum Chhaya.

Paper 2nd —Principle and Physics related to Vikiran Avum Chhaya

Physics of X-ray, Application of Physics of X-ray, Radiology position and views.

Physic of Ultrasound, Applied aspect of Physics of Ultrasound, Ethics of Ultrasound.

Physics of CT Scan, Applied aspect of Physics of CT Scan, Efficiency and Limitations of CT Scan, Contrast use.

Physics of MRI, applied aspect of MRI, Efficiency & Limitation of MRI, contrast use.

Other diagnostic imaging methods like PAT, nuclides imaging.

Hazards of Radiation and other imaging waves.

Protection measurements in Radio diagnostic unit for technician, patient, attendant and consultant.

Practical/viva

Dark Room Technique, Non contrast Techniques of X-ray of different part of body, Contrast Techniques of X-ray of different part of body, Radiological emergencies and their management, Techniques regarding USG, CT & MRI, Role of Ayurvedic fundamentals in Radio diagnosis.

2nd year

Paper 1st—Anatomy and Physiology related to Vikiran Avum Chhaya

Concept of Ayurvedic anatomy, Ayurvedic and modern view of body organs and their detailed anatomy and physiology, Applied radiological anatomy as bellow.

1. Head and Neck
2. Thorax
3. Abdomen
4. Extremities
5. Vertebrae

Paper 2nd—Ayurvedic and modern literature related to Vikiran Avum Chhaya

Literary view of Ayurvedic and modern literatures related to vikiran avum chhaya, Applied aspect of vikiran avum chhaya e.g. X-ray, Ultrasound, CT Scan, MRI and other imaging techniques.

Practical and Viva

USG machine operation, application of USG related to anatomical and pathological conditions and reporting.

Application of contrast and non contrast X-ray related to anatomical conditions and reporting.

CT, MRI & other imaging reporting

Application of Radiodiagnosis in context to Ayurvedic fundamentals e.g. Dosha, Dushya, Samprapti and Roop etc.

Referral Books:

Sushruta Samhita

Charak Samhita

Ashtang Hridaya/Sangrah

Diagnostic imaging—By Peter Armstrong, Martin and Wastie

Text book of Radiology—By Pilmoor

Radiology and Imaging—By David Sutton

Radiodiagnosis and imaging- By B.L. Gupta.

Radiological emergencies – Dr. A.K. Dwivedi, B.H.U. Varanasi

DIPLOMA IN KSHAR KARMA

KSHAR KARMA is one of the unique Para surgical procedures described in Sushruta Samhita and the therapy is very effective in the management of various surgical Anorectal and other diseases without any surgical interference.

Keeping in view of the progressive prospect of Kshar Karma, the department has established full-fledged teaching speciality in Post Graduate education and a separate specialty clinic in SS Hospital which enjoys the status of a referral center and catering the need of suffering humanity through out the country. The therapy has now become very popular in the community and in the educational institutions for the management of various Anorectal diseases and there is a great demand for the doctors of this field. The department receives several inquiries from various teaching institutions, hospitals and private practitioners throughout the country about teaching and training in kshar Karma. This indicates the importance of introducing separate new diploma course for kshar karma.

Details of the course

Name of the course	: 2 years P.G. Diploma in Kshara Karma
Duration	: 2 years
Qualification	: B.A.M.S./ M.D.(Ay.)/ M.S.(Ay.)
Age	: Maximum 35 years

Percentage of marks	: Minimum 50% in Graduate course
Number of seats	: Three (3)
Tuition fees	: Rs. 50000.00 per year, excluding admission and examination fees as per university rules.
Hostel facility	: Not available.
Syllabus	: As enclosed.
Examination	: Two annual examinations.

1st year—two theory papers, each of three hours, carrying 100 marks each. Total—200 marks. Practical and viva – 200 marks.

2nd year — two theory papers of three hours, each carrying 100 marks. Total— 200 marks. Practical and viva -200 marks.

Award of diploma : Diploma will be awarded to the candidates scoring minimum 50% marks in theory and practical separately.

Procedure of selection : By common entrance test organized by department of Shalya Tantra, Faculty of Ayurveda as below.

Entrance Test Pattern :

1. The test will be based on multiple choice questions of Graduate label, 100 questions carrying one mark each. There will be no negative marking.

Entrance qualifying marks will be minimum 50%.

Syllabus for First Year

Paper I	Principles of Kshara Chikitsa	100 Marks
Paper II	Anorectal diseases	100 Marks
	Practical and Viva	100 Marks

Syllabus for Second Year

Paper I	Kshara Kalpana and Diagnostic procedures	100 Marks
Paper II	Vyavaharik Kshara Karma	100 Marks
	Practical and Viva	100 Marks