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Sector: Culture

Sr. No	Specialization	Page No
1.	Knowledge Heritage: A Model of Sanskrit Studies	
2.	Intangible Cultural Heritage	
3.	Expressive Culture	
4.	Museum Techniques	
5.	Conservation	
6.	Traditional Design	
7.	Archaeology	

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture –Specialization- Knowledge Heritage; A Model of Sanskrit Studies)
NVEQF/Culture/KH:MSS

S.No.	Certificate Level	Vocational Hours
1.	Level-I	250 hrs
2.	Level-II	250 hrs
3.	Level-III	300 hrs
4.	Level-IV	300 hrs
5.	Level-V	450 hrs
6.	Level-VI	520 hrs
7.	Level-VII	750 hrs

Certificate Level - I

Sanskrit for Knowledge Enhancement: I

	HRS.
1. Reading Devanagari script & pronunciation skills	30
2. Digital knowledge: Introduction to Unicode typing, Transliteration in Roman script	50
3. A) Introduction to Conversational Sanskrit B) Sanskrit <i>Subhashitas</i> and their relevance in the present context	60
4. Translation of simple Sanskrit passages & <i>Subhashitas</i> in English or any Indian language,	60
5. Presentation :	50
A) Reading given Sanskrit texts (prose and poetry) with proper pronunciation,	
B) Listening to Sanskrit passage (prose and poetry) &	
C) Translation of a given text (prose and poetry) from Sanskrit to English or any Indian language	
D) vice versa	
TOTAL VOC CONTENT	250

Certificate Level - II

Sanskrit for Knowledge Enhancement: II

	HRS.
1. Reading Devanagari script and pronunciation skills, conversational skills, use of computer for Unicode typing, Power Point Presentation, Voice Recorder,	40

2.	Introduction to Advanced Sanskrit passages & Sanskrit <i>Subhashitas</i> and their relevance in the present context & Conversational Sanskrit	60
3.	Translation of Sanskrit passages & <i>Subhashitas</i> in English or any Indian language, enlisting <i>shlokas</i> and quotations to be printed on clothes or other commercial goods	50
4.	Introduction to Sanskrit Literature	50
5.	Presentation :	50
	A) Reading given Sanskrit text (prose & poetry) with proper pronunciation & intonation &	
	B) Translation of a given text from Sanskrit to English or any Indian Language	
	C) Vice versa	
	D) Appreciation of simple passages from Sanskrit literature in English or any Indian Language	
	TOTAL VOC CONTENT	250

Certificate Level -III

Scientific Literature in Sanskrit

		HRS.
1.	Conversational skills in Sanskrit, use of computer for Unicode typing, Power Point Presentations, Use of Internet	30
2.	Advanced writing skills in Sanskrit & Introduction to scientific literature in Sanskrit	70
3.	Development in science & technology such as A) Mathematics B) Architecture C) Chemistry	80
4.	Comprehension of passages on Scientific Literature in Simple Sanskrit	70
5.	Project work & Presentation on any one Scientific work in Sanskrit & Translation of Simple passages from Sanskrit to English or Indian Language	50
	TOTAL VOC CONTENT	300

Certificate Level- IV

Sanskrit & Fine and Performing Arts

		HRS.
1.	Conversational skills in Sanskrit , Use of Computer for Unicode typing, Power Point Presentations, Use of internet and skills,	40

	Animation	
2.	Advanced writing skills in Sanskrit Introduction to literature on fine arts in Sanskrit such as A) Natyashastra B) Abhinayadarpana C) Sangitaratnakara D) Dattila	50
3.	Study of <i>Rasa</i> and <i>Bhava</i> portion from <i>Natyashastra</i>	60
4.	Translation of passages from <i>Natyashastra</i> on <i>Rasa</i> and <i>Bhava</i>	50
5.	Presentation on any one <i>Rasa</i> A) Enactment of relevant portion of drama or poetry in Sanskrit or any other Indian language B) Power Point Presentation using Animation C) Translation of prose and poetry passages from Sanskrit to English or any Indian Language with emphasis on <i>Rasa</i>	100
	TOTAL VOC CONTENT	300

Certificate Level-V

Sanskrit and Governance

		HRS.
1.	Conversational skills in Sanskrit , use of computer for Unicode typing, Power Point Presentations, Use of Internet	30
2.	Advanced conversational skills & Introduction to ancient Indian Law and Administration	40
3.	Study of Kautiliya <i>Arthashastra</i> and <i>Smriti</i> Literature and Inscriptions	90
4.	Learning techniques and strategies of institution building and management from <i>Arthashastra</i>	90
5.	Translation of passages from Kautiliya <i>Arthashastra</i> , <i>Smriti</i> literature & Inscriptions in English or any other language, enlisting quotations to be provided to print industry	100
6.	Power Point Presentation on any facet of administration based on Kautiliya <i>Arthashastra</i> , <i>Smriti</i> literature & Inscriptions Preparation of a structure of any community centre based on the abovementioned sources	100
	TOTAL VOC CONTENT	450

Certificate Level - VI

Sanskrit and Story Literature

	HRS.
1. Conversational skills in Sanskrit , Use of computer for Unicode typing, Power Point Presentations, Use of Internet and skills, animation	50
2. Advanced comprehension and expression skills in Sanskrit Introduction to story literature in Ancient India	90
3. Study of story literature such as A) <i>Panchatantra</i> B) <i>Hitopadesha</i> C) <i>Kathasaritsagar</i>	90
4. Translation of stories from <i>Panchatantra</i> and <i>Hitopadesha</i> and other story literature in English or any other Indian Language	90
5. Story writing in Sanskrit and narration of stories in Sanskrit, English or any other Indian Language	100
6. Creation of comic strips based on ancient Indian Story literature and writing dialogues for the same/ brand building of an Indian super hero, designing of products	100

*The students will be judged on the basis of the presentation done by them. Project work in the form of story writing be assigned to them.

TOTAL VOC CONTENT **520**

Certificate Level-VII

Sanskrit and Narrative Literature

	HRS.
1. Conversational skills in Sanskrit , use of computer for Unicode typing, Power Point Presentations, Use of Internet and Skills, Animation	50
2. Advanced comprehension and expression skills in Sanskrit Introduction to Indian Narrative Literature with emphasis on Epics and Puranas	100
3. Study of <i>Mahabharata</i> and <i>Bhagavata</i> as narrative literature	100
4. A) Translation of passages from Epics and <i>Puranas</i> in English or any other Indian language	150
B) Collecting stories from Epics and <i>Puranas</i> in regional language	

	through oral narratives	
4.	Creation of comic strips based on any narrative literature and dialogue writing for the same	100
5.	Making of a documentary on <i>Bhagavat katha</i> narration or <i>Ramleela</i> * Students will be judged on the basis of the research done (Field visits would be taken into consideration wherever required) and on the basis of techniques used to make a documentary.	250
	TOTAL VOC CONTENT	750

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture –Specialization- Intangible Cultural Heritage)
NVEQF/Culture/ICH

S.No.	Certificate Level	Vocational Hours
1.	Level-I	250 hrs
2.	Level-II	250 hrs
3.	Level-III	300 hrs
4.	Level-IV	300 hrs
5.	Level-V	450 hrs
6.	Level-VI	550 hrs
7.	Level-VII	650 hrs

Certificate Level- I

Introduction to Intangible Culture

	HRS.
1. Definitions, Meanings, Scope	30
Types of Intangible Heritage:	
- Traditional Arts of India	
- Pilgrim Centres of India	
- Endangered Languages and Dialects including tribal language/dialects	
- Food Culture	
- Traditional Knowledge and Techniques	
- Indian Festivals – Customs and Rituals	
Relationship between Tangible and Intangible Heritage	
2. Intangible Folk and Tribal Culture	50
3. Field Visit to any Folk/Tribal Artist	70
Exploration of the Art	
4. Computer Application to Intangible Culture	100
- Data Collection: Tribal and Folk Songs- Tribal and Folk Dance forms	
TOTAL VOC CONTENT	250

Certificate Level- II

Methods of Documentation

	HRS.
1. Planning for Documentation	70
2. Standards: Format and Terminology	70
3. Methods of documenting Oral History	110
- Interview Techniques,	
- Taking Field Notes	
- Transcription	
Creating an Archive	
-	
TOTAL VOC CONTENT	250

Certificate Level -III

Digital Technology and Documentation

	HRS.
1. Use of Digital Technology in Documentation	100
2. Tools	100
- Recorders: Recorders: Types- (Audio)- Dictaphone (use of flash-memory based audio recorders),mini recorders, types of common field-recording microphones	
(Visual) - Video Camera	
- Types- Audio and Video for Oral History	
- Types of Cameras: SLR, Digital SLR Cameras	
- Types of Lenses, Films, Filters and other Accessories	
- Practical Exercise of taking photographs of different types of intangible culture	
- Copying and Scanning of Photographic and Archival Collections	
- Editing of Digital Images for Documentation, Digital Preservation and Publication	
3. Computer Application- Photo shop, Corel Draw Digitalizing Audio and Video	100
TOTAL VOC CONTENT	300

Certificate Level- IV

Oral History

	HRS.
1. Ethnography and Communities in India(Students are to choose the Communities from their Localities)	200

	- Prevailing Beliefs and Customs in relation to the above	
2.	Traditional Knowledge and Techniques	50
	-Agriculture	
	-Ethno Botany and Ecology- Identification of things, names of flora and fauna by Tribal Communities/Folk	
	- Ethno medicine- Tribal/Local Healing Methods	
3.	Traditional Knowledge and Techniques	50
	- Ethno mathematics	
	-Ethno astronomy	
	TOTAL VOC CONTENT	300

Certificate/Diploma Level -V

Traditional Cultural Practices I

HRS.

1.	Food	450
	- Crop Patterns and Food Preparations of Different Communities including Tribal Communities	
	- Ingredients- Main and Condiments	
	- Utensils and Methods of Serving	
	- Traditional Recipes	
	- Ritualistic and Festive Food Items	
	- Etiquettes Regarding Food	
	The students are to choose Regional Food.	
	TOTAL VOC CONTENT	450

Certificate Level- VI

Traditional Cultural Practices II

HRS.

1.	Festivals	275
	- Religious Traditions, Customs and Rituals of Different Communities including Tribal Communities	
	- Materials Used	
	- Traditional Arts associated with Festivals	
	The students are to choose Regional Festivals for study and practical work.	

2.	Pilgrim Centres of India	275
	<ul style="list-style-type: none"> - Socio-Religious Significance of the Pilgrim Centres - Myths associated with the Pilgrim Centres - Customs and Rituals 	
	The students are to choose Regional Pilgrim Centres for study and practical work.	
	TOTAL VOC CONTENT	550

Certificate Level -VII

Interpreting Intangible Heritage		HRS.
1.	Personal Method Conducting Guided Tours	200
2.	Non-Personal Methods: Making of Audio-Guides/Guide phones Making of a film Oral History Film Training Printing of Textual Material of Intangible Heritage	225
3.	Use of Internet and Search Engines and web-page Designing	225
	TOTAL VOC CONTENT	650

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture – Specialization: Expressive Culture)
NVEQF/Culture/EC

S.No.	Certificate Level	Vocational Hours
1.	Level-I	200 hrs
2.	Level-II	200 hrs
3.	Level-III	310 hrs
4.	Level-IV	310 hrs
5.	Level-V	450 hrs
6.	Level-VI	500 hrs
7.	Level-VII	650 hrs

Certificate Level-I

	HRS.
1. General Introduction and Awareness About Expressive Culture	25
Soft Skills: General introduction meaning and scope of environment /geography/culture/ people and to understand language, human interaction; to develop the communication skill and application of language of various art forms	
2. Introduction of main aspect of Indian society and culture and exploration of day to day use of art forms	50
3. Expressive culture: outline of the history of expressive art, definitions, meanings, scope Types of expressive culture, to understand various forms of dance/ music/ drama	25
4. Introduction of the creative aspects of expressive culture & awareness of expressive culture , various dance forms: classical and folk; music : classical/folk/contemporary	50
5. To understand diverse artistic practices both traditional and contemporary: Interaction with any local artist	50
TOTAL VOC CONTENT	200

Certificate Level- II

	HRS.
1. Documentation Of Expressive Culture: For Listening, Learning, Communication with Other Persons, Making Performance	25
Soft Skills: basic knowledge of use of computer to make programme, use of digital devices, word processing Microsoft word, power print, photo shop; cameras, mobiles and other documentation techniques/ exploration	

and field survey/trip	
2. Use of multimedia resources, database, internet, website, digital camera, notation, software for animation, image/video editing	50
3. Basic knowledge of aspects/ terms of expressive culture: performing arts; vocal music; classical and folk, knowledge of the basic elements of drama	50
4. Basic knowledge of creative aspects of expressive culture; knowing terms, forms , material of instrumental music	25
5. Presentation : The students will choose any of the themes related to music: vocal and instrumental and drama or theatre, write-up on any theme	50
TOTAL VOC CONTENT	200

Certificate Level- III

	HRS.
1. Narration	50
Soft Skills: General personality development. & grooming and exercises of meditation/yoga to understand human interaction: language and dialects	
2. To understand types of narration : fiction/non- fiction and also to learn focus on the feeling, perception of the character of a story	50
3. To understand vocabulary, phonological awareness and to collect different stories/themes from literature / community /history	80
4. To understand themes related to Indian mythology/bardic/oral and to present it in dance forms, animation film, shows , symbolic representation, drama convention, choreographic forms, allegory	80
5. Presentation, stage performance and making video film the students will choose any of the themes related to Indian mythology by using computer skills and various language skills and techniques & learn broadcasting	50
TOTAL VOC CONTENT	310

Certificate Level- IV

	HRS.
1. Music: Vocal, Classical, Folk and Contemporary	50
Soft Skills: General Personality Development & Grooming Aspects of Body Language, Voice Culture & Techniques of Meditation/Concentration	
2. To understand : singing, playing, moving, performing, creating, listening,	50

chanting	
3. To understand music: aboriginal(tribal), local, folk, national, global and training under local artist	50
4. To learn elements of music – Duration, Pitch, Dynamics, Harmony, Forms, Sangat, Dhvani, Nad, Swar, Tal, Etc.	80
5. To make project related to local artist and their contribution field work: collection of songs and ritual chants making programme for local radio/T.V. and participate in to local festivals, customs, rituals	80
TOTAL VOC CONTENT	310

Certificate Level- V

	HRS.
1. Music: Instrumental, Classical & Folk	50
General Personality Development & Grooming Aspects of Artistic And Aesthetic Awareness, Meditation/Concentration/Yoga	
2. To understand performance, composition, techniques, strategies, choreography	75
3. Study of local/tribal musical instruments. Study of the conservation of musical instrument and other equipments related to instrumental music , field survey	75
4. Study of other musical instruments and to understand contents and terms related to instrumental music : Duration, Pitch, Dynamics, Harmony, Forms, Composing, Nad, Swar, Dhvani, Tal etc.	75
5. Interacting with artist community and making project on any one local instrument and artist	75
6. Skill in any one specific instrumental music, making expert group and organizing group/individual shows	100
Fund-generation and financial management for the staging of a show, managerial skills, making of light arrangements	
TOTAL VOC CONTENT	450

Certificate Level- VI

	HRS.
1. Drama and Theatre Personality development and grooming aspects of body language ,voice culture, yoga/meditation, understanding of cultural back ground of Indian drama and theatre Understanding of artistic and aesthetic awareness	75
2. To learn elements of drama : moving, speaking, writing, performing ,body actions(slow/fast);energy(force),space, time	75
3. To understand: role/character, dialogue, body language (posture, gesture, facial expression), costume props (appropriate to a characters), varying vocal tones.	100
4. To understand terms/ material related to drama and theatre-mime, play script, stage, costume , effective communication skills: organizing concerts/aspects of body language, organizing film show/T.V. and Radio programme on the theme related to local drama/theatre, exercises in speech-dialogue delivery, presentation of drama using audio-visual technique on day to day life situation or from story books	75
5. Designing stage or platform to make presentation; use of computer graphics, stage prop, stage costume, stage movement, stage lighting Presentation: episodes of day to day life, from story books, Ramlila, Krishnalila, Jatras, rasa etc. Presentation of skits in tribal language/languages Ensuring safe practices, use of equipments	175
TOTAL VOC CONTENT	500

Certificate Level- VII

	HRS.
1. Interpreting Expressive Art Forms Conservation of expressive art; promotion of endangered art; productive use of expressive art, contribution of local student as artist To developed communication skill application of knowledge, to make performance, composition, choreography, group activity.	100
2. To understand the use and abuses of expressive art and to create awareness for the same, making different techniques for conservation of local expressive art. Study of conservation ethics and govt. Rules and regulation in reference to conservation and promotion of expressive art.	100
3. Understanding of cultural transformation into new forms : music (vocal & instrumental), remix; Through performance interpreting ideas, stories, poems, historical/national themes	100
4. Visits to local drama activities, music and dance concerts, film shows, theatres and make reports on visits; film-making- preparing a film on any aspect of social life of the specified area/tribe	100
5. Advertising techniques, net working for promotion of prepared shows, proposal-making to invite job placements or for admission in specialized schools/colleges Field work: collection of artifacts belonging to the specified area or tribe/running a community radio	100
6. Public shows on national themes on public/government/institutional platforms Making programme to share platform with other artists & community presentation Encouragement of sensitivity to other's cultural values	150
TOTAL VOC CONTENT	650

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture – Specialization: Museum Techniques)
NVEQF/Culture/MT

S.No.	Certificate Level	Vocational Hours
1.	Level-I	300 hrs
2.	Level-II	300 hrs
3.	Level-III	400 hrs
4.	Level-IV	400 hrs
5.	Level-V	500 hrs
6.	Level-VI	600 hrs
7.	Level-VII	700 hrs

Certificate Level-I

HRS.

1. **Museum Quality Reproductions: Model Making** 200-300

Introduction to Museum and Museum work: definition, brief history, types of museums and nature of museum work.

Importance of model making, moulding and casting in museums. Introduction to basic principles of modeling, moulding, casting and tools and materials. Precautions in handling of museum objects.

Preparation of models in various mediums: clay, ceramic clay, oil-based clay, polymer clay, *papiermaché*, and wax.

Preparation of models of enlarged and reduced size: making drawing or using a photograph, preparation of armature, modeling and finishing. Use of Photoshop in preparation of images of enlarged or reduced size.

Practical exercise of preparing models of small sculptures, and making of plants, animals, landscape, etc. for dioramas.

TOTAL VOC CONTENT

300

Certificate Level-II

HRS.

1. **Museum Quality Reproductions: Moulding and Casting** 200-300

Understanding of properties of various materials used in moulding and

casting and criteria for choosing the material.

Preparation of moulds in various mediums: Plaster of Paris, rubber/silicon, fiber glass, paper, cement etc. Types of moulds.

Process of taking casts in various mediums: Plaster of Paris, rubber/silicon, fiber glass, paper, cement, wax, metal etc.

TOTAL VOC CONTENT

300

Certificate Level-III

1. Museum Photography

HRS.
300-400

Importance of photography in museums. Preservation issues and guidelines for safe handling and positioning of objects for photography, and protection from effects of UV, intense light, heat buildup due to IR and cycles of heating and cooling.

Basic principles of photography. Importance of Light and its control. Types of cameras – SLR, Digital, Digital SLR Camera. Types of lenses, films, filters and other accessories.

Procedures of museum photography. Practical exercise of taking photographs of different types of museum objects, and photo-documenting conservation process. Copying and scanning of photographic and archival collections.

Introduction to printing. Types of prints.

Editing (managing colour, brightness and contrast, all over image light, and cropping and sizing) of digital images for documentation, presentation and publication using Photoshop and Corel Draw.

TOTAL VOC CONTENT

400

Certificate Level-IV

1. Packing of Museum Objects

HRS.
300-400

Preservation issues. Different types of packing materials. Desirable properties of packing materials. Materials recommended and not recommended for packing museum objects. Types of containers.

Desirable qualities of containers. Procedures of packing different types of museum objects.

Screen Printing

Material, tools and process of screen printing. Printing of labels, signs, posters etc. Printing of gift items based on ideas from museum collections.

TOTAL VOC CONTENT

400

Certificate Level-V

1. Mounting/Matting and Framing of Works on Paper

HRS.
400-500

Preservation issues and guidelines for safe handling, display and storage of works on paper.

Types of mount or board, interleaving material, protective layers, adhesives and hinges. Testing pH of the material. Selecting appropriate material as per guidelines and needs.

Cutting the mount/matt board and procedures for mounting/matting, framing and unframing.

Marking and Labeling

Importance of marking museum collections, Understanding numbers and their components, Curatorial and Conservation guidelines for marking.

Number location for specific types of objects. Material, tools and techniques of applying and removing numbers on/from different types of objects such as works on paper, textiles, metals, small or large objects, objects with unstable surface and natural history specimen. Numbering component parts of an object, pairs and sets. Applying temporary numbers.

TOTAL VOC CONTENT

500

Certificate Level-VI

1. Designing of Exhibitions and Exhibition Furniture

HRS.
500-600

Concept, elements and principles of design and display. Introduction to human ergonomics and other factors that govern design of exhibitions and exhibition furniture.

Designing of exhibition furniture: showcase, pedestals, display boards etc. Use of computer in designing.

b) Designing of Interpretive and Informative Material

Introduction to importance and types of informative and interpretive material.

Design and production of printed material: types of paper, typography, layout, and methods of printing and binding.

Introduction to electronic media and devices for imparting information to different target groups.

c) Fabrication of Exhibition and Storage Accessories

Understanding the need for object-specific accessory and preservation issues.

Fabrication of supports, mounts, stands, holders, clamps, hangers, calipers, cradles, trays and fasteners etc. using acrylic, metal, wood, fabric, foam, cardboard, tissue paper, adhesives etc.

TOTAL VOC CONTENT

600

Certificate Level-VII

1. Preservation of Biological Specimen

HRS.
600-700

Plastic embedding: Preparation of the specimen, preparation the mould and preparation of the resin. Embedding the specimen. Finishing and polishing the block.

Taxidermy: Importance of taxidermy in museums, Introduction to techniques of taxidermy, Anatomy of birds and mammals. Introduction to tools, apparatus, chemicals, preservatives, material used in taxidermy. Collection of specimen for taxidermy. Stuffing of a small bird and a mammal, Preparation of a cabinet and a mounted specimen.

Preparation of Herbarium sheets: collecting the specimen, drying and pressing, mounting the specimen on standard sheet, Labeling.

Wet Preservation: Preparing the preservative fluid, mounting the specimen on glass plate, immersing the specimen with the preservative fluid in the jar, sealing the jar.

TOTAL VOC CONTENT

700

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture – Specialization: Conservation)
NVEQF/Culture/C

S.No.	Certificate Level	Vocational Hours
1.	Level-I	300 hrs
2.	Level-II	300 hrs
3.	Level-III	400 hrs
4.	Level-IV	400 hrs
5.	Level-V	500 hrs
6.	Level-VI	600 hrs
7.	Level-VII	700 hrs

Certificate Level - I

HRS.

1. **Binding of Rare Books and Manuscripts**

200-300

Introduction to Conservation; Rare Books and Manuscripts; Difference between binding of New Books and Old Books and Manuscripts; Book-binding as a vocational study and scope for binders of Old and Rare books.

Different Types of Bindings and covers – Paper, Leather, parchment, embroidered, printed, Painted, with metallic insignia, etc.

Skills required for binding of books as a conservation measure – knowledge of script;
Materials, tools and equipment used for binding.

Opening of damaged binding and numbering of folios; Measurement and Removal of acidity in folios; Providing support to fragile folios;
Alignment of folios for binding.

Selection of appropriate binding materials, adhesives and bindings exercises; Preservation and re-use of historic bindings; Preparation of manuscript jackets/ boxes.

Setting up a Binding Studio.

TOTAL VOC CONTENT

300

Certificate Level - II

1. Darning and Mending of Historic Textiles

HRS.
200-300

Introduction to Textile Tradition and Conservation in India; Different types of Textiles and their Deterioration.

Basic purpose and concepts of Darning and mending; Identification of different types of textiles; Familiarity with different types of threads and Needles; Various types of stitches and adhesives.

Darning and mending exercises on different types of textiles.

TOTAL VOC CONTENT

300

Certificate Level - III

1. **Carpentry for Conservation of Art Objects**

HRS.
300-400

Role of Carpenter in the field of conservation of art objects; Skills required for carpentry- measurement of dimensions, basic drawing, 3D Visualization.

Identification of different types woods and their ageing properties; Seasoning, sawing and joining of wood.

Types of synthetic materials like adhesives, ply board, laminates, polishes, etc. used in carpentry and their long term behavior.

Importance of Frames, Stretchers and strainers, display cabinets, storage boxes, etc. in the conservation of art objects.

Preparation of picture / painting frames, stretchers, strainers, Boxes for 2 D and 3 D objects; specialized storage and display cabinets for museums; boxes and containers for transportation; light weight supports, hangers and mannequins, etc. for storage and display.

Removal of previous restorations, support layers and frames, etc.

TOTAL VOC CONTENT

400

Certificate Level - IV

1. **Preparation of Conservation materials:**

HRS.
300-400

a) Natural Pigments, Brushes, Metal Foils etc.

Materials and tools commonly used in conservation; Natural Pigments, their availability and properties, identification and refinement; Brushes used in conservation, their Numbering and specialized uses ; Selection of wood and treatment of hair for making brushes; Precious metals and minerals used by craftsmen and artists and their properties; Preparation of gold and silver foils; Adhesives used in Conservation
Fixing of gold and silver foils using adhesives on paintings and walls.

b) Making of Acid free Paper and its products used in Conservation

Handmade and machine made Paper – identification, making and deterioration properties; Concept of acidity and pH in Paper and its measurement; Symptoms and Causes of acidity in Paper; Effects of acidity in Paper and control measures.

Acid free Paper and its requirement in the field of Conservation; Making of Acid free Paper; Identification and selection of raw materials for making Handmade Paper; Preparation of Handmade Paper using different raw materials.

Preparation of Window cut mounts for Pictures and Miniature Paintings; Preparation of Manuscript jackets / Cases and boxes for storage and transportation; Preparation of Envelopes for storing loose folios.

TOTAL VOC CONTENT

400

Certificate Level - V

HRS.

1. **a) Dressing, Carving and dowelling of Stone for restoration purposes** 400-500

Types of Stones and their basic properties with regards their stability and carving.

Tools and techniques used for dressing, carving and dowelling.

Joining of pieces and polishing of surface; Casting of Synthetic stones.

b) Making Historic Ceramic Tiles and Stained Glass for use in Conservation

Ceramic – Nature and Raw materials; Identification of Low fired and high fired ceramics; Identification of Raw materials for ceramic making; Preparation of furnaces and kilns for firing; Preparation of tile moulds and firing of cast products; Colouring and Glazing of Ceramics; Finishing of fired products.

Glass – its nature and properties
Types of glass including stained glass

Raw materials for glass making; colorants and furnaces used in glass making; Experiments in glass making including colored glass; Glass cutting and joining using lead coming.

Conservation problems related to use of stained glass and possible solutions; Methodology to work out costs of conservation.

TOTAL VOC CONTENT

500

Certificate Level - VI

HRS.

1. Cleaning of exterior surfaces of Historic Buildings and Monuments 500-600

An introduction to Historic buildings and monuments and their significance for country. Listing of Historic Buildings.

Materials and construction techniques used in historic buildings of various periods and regions

Types of accumulations on the exteriors of a historic building, their probable causes and likely effects on the life of building.

Examination and documentation of loose plaster, cracks, exfoliation, seepage, rising dampness, structural instability, previous repairs, restorations; Techniques and tools available for examination and documentation; Monitoring of deterioration.

Scaffolding –types and erection, Safety measures while working at higher levels of a building.

Surface Cleaning methodology, materials and tools, tests and precautions; Eradication of soluble salts, stains, algae, moss and plants from historic structures; Ethics of Conservation and restoration of historic buildings.

TOTAL VOC CONTENT

600

Certificate Level -VII

HRS.

1. Fumigation, Pest Management and Anti-Termite Treatment in Museums and archives 600-700

Nature and Types of materials affected by Fungal growth, Insects and termites in museums and archives.

Types of deterioration caused by above agencies and factors responsible for their growth; Relative Humidity & its control measures, UV and Visible light radiations, their impact on objects and their control, Buffering materials like silica gel and quantity to be used.

Techniques for control and eradication of biological agencies – Use of Vapors (Fumigation), Use of solutions (Termiticides), Non-chemical methods used for extermination(Solar Tent, Deep Freezing), Integrated Pest Management, Efficacy of various methods .

Identification of symptoms of Fungal growth and insect attack on different types of museum and archival materials.

Designing of Permanent as well as make-shift Fumigation Chambers; Fumigation using Para di-chlorobenzene and Thymol, Other fumigation methods including Mass Fumigation of library books and periodicals.

Designing of a solar Tent for eradication of insects; Use of non-invasive techniques like Freeze drying, use of oxygen absorbers, etc.
Use of Termiticides.

Developing Strategies for Pest control in cultural institutions.

TOTAL VOC CONTENT

700

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture – Specialization: Traditional Design)
NVEQF/Culture/TD

S.No.	Certificate Level	Vocational Hours
1.	Level-I	300 hrs
2.	Level-II	300 hrs
3.	Level-III	450 hrs
4.	Level-IV	400 hrs
5.	Level-V	600 hrs
6.	Level-VI	700 hrs
7.	Level-VII	700 hrs

Certificate Level -I

HRS.

1. Craft Apprenticeship

200

Apprenticeship with a Master craftsman

- Co-ordination of eye, hand and mind
- Basic elements: Line, texture, colour, form, symmetry, balance, scale, mass, unity and variety.
- Simple shapes and motifs
- Knowing tools
 - Holding tools
 - Nomenclature of the tools
- Appropriate material selection for artifacts

2. Craft process

50

Task flow of designing an artifact

- Role of different skills in designing an artifact
- Knowledge flow in a Task Flow
- Use of specific tools and machines during different stages

3. Material processing 50

Procuring raw material

Recognizing different kinds and qualities in material such as different kinds of woods and their age

Processing raw material for work which includes treating wood or melting metal ingots

Storing raw material

TOTAL VOC CONTENT 300

Certificate Level -II

	HRS.
1. Craft Apprenticeship	250
Apprenticeship with a Master craftsman	
- Co-ordination of eye, hand and mind	
-Hand tasks such as carving, cutting or lifting and shaping clay	
-Methods of measurement	
-Patterns and shapes	
-Emulating master copies of artifacts	
-Local nomenclature	
-Low fidelity Prototypes- 5 designs	
2. 2D-3D form design	50
Canons of Proportion	
- Dimensions	
- Positioning/Placement in a Figure or Layout	
- Size in relation to the material, technique and the machine	
Craft identity	
- Distinguishing features of the craft	
- Differentiating features of the craft from other crafts	
- Traditional motif and shapes	
- Culturally sensitive features	
TOTAL VOC CONTENT	300

Certificate Level -III

	HRS.
1. Craft Tradition	50
History of the community and its craft	
2. Craft Technology	50
Machine and Tool handling	
- Preparing the material	
- Processing	
- Low Fidelity Prototypes	
3. Craft Apprenticeship	350
Apprenticeship with a Master craftsman	
-Traditional Design- I- Forms, motifs and colors	
-Making colours and dyes- grounding, mixing and application	
-High fidelity Prototypes - 10 designs	
- Conceiving an artifact	
- Choosing material	
- Designing shape, proportions and color combinations	
- Including features of Craft identity	
- Machine work	
- Hand work	
- Assembling of parts	
- Painting	
- Finishing	
- Packaging	
TOTAL VOC CONTENT	450

Certificate Level -IV

	HRS.
1. Craft Tradition	20
Cultural, conventions, & beliefs	
<ul style="list-style-type: none">- Community use of the artifacts- Rituals, customs and festivals- Myths and folklore	
Seasonal markets of artifacts	
2. Craft Technology	60
Machine handling	
<ul style="list-style-type: none">- High Fidelity prototypes- Detailing- Finishing	
Repairing a machine	
Basic tool design	
Standardization	
<ul style="list-style-type: none">- Understanding specifications- Designing for manufacturing	
Preservation techniques	
3. Craft Apprenticeship	320
Apprenticeship with a Master craftsman	
Traditional Design- II- Forms, motifs and colors	
High fidelity Prototypes - 10 designs	
<ul style="list-style-type: none">- Conceiving an artifact- Choosing material- Designing shape, proportions and color combinations- Including features of Craft identity- Machine work- Hand work- Assembling of parts- Painting	

- Finishing
- Packaging

Estimate, Costing and budget

TOTAL VOC CONTENT

400

Certificate Level -V

HRS.

1. Elements of Design

500-600

Gestalt Principles

Dominant, sub-dominant and subordinate

Grids

Layout and Composition

Family of forms and shapes

Realism to Abstraction in Design

Colour theory

-Colour wheel

-Hue, saturation and value

-Additive and Subtractive colors

-Colors and emotions

-Colors and symbols

Relationship of colour, form and meaning

2. Design Process

Crafts manly thinking

Designerly thinking

Design Process

-Need statement

-Market benchmarking

- User profiles
- Specifications and Constraints
- Concept development
- Concept selection and refinement
- Concept Evaluation
- Design identity
- Prototype development
- User feedback
- High fidelity Prototype

Design Presentation

3. **Creative visualization**

Lateral thinking

Brainstorming

Observation techniques

Assimilation

- Assimilation within the community artifacts
- Assimilation with artifacts outside the community
- Assisted Assimilation along with a third source

Synectics

- Analogies
- Personal Analogy
- Direct Analogy
- Symbolic Analogy
- Fantastical Analogy

Design Paradigms

(at least 2 paradigms in each)

- Simple Shapes
- Enclosure
- Bending and Flexing
- Bigger and smaller
- Joining
- Attaching
- Passages
- Binary Object relations
- Multiple Object relations
- Objects within Objects
- Multifunction Objects

Mood boards

- Selecting images for a mood board
- Deriving design cues from a mood board
- Using selected design cues in the artifact

4. Technology for Design

Appropriate technology

- Defining needs and constraints
- Ecosystem of a technology
- Introduction of new/hybrid technology
- Adapting skill sets to Appropriate technology
- Maintaining Appropriate technology
- Standardization
- Costing
- Safety and health hazards in manufacturing

Industrial finishes for plastic, wood and metals.

Reverse engineering

Hybrid machines

Technology Diffusion

5. **Basic computing-I**

Microsoft Office

Basic Internet

-E-Mails

-Search Engines

-Uploading and Downloading images

TOTAL VOC CONTENT

600

Certificate Level -VI

HRS.

1. **Design for Innovation :**

600-700

Case studies

Disruptive Innovation

Incremental Innovation

Sources of Innovation

Recognized need

Application of new/relevant technology

End-user innovation

Design strategy

Product benchmarking

Market trend

User trend

Design Evolution

Designing for the future

Project

Observing a need

Refining a need with user and market data

Design strategy

Design Visualization

Designing High fidelity Prototypes

Design Diffusion/Protection

2. **Ergonomics**

Visual Ergonomics

Visual Perception

Optical Illusion

Product Ergonomics

Work posture analysis,

Static and Dynamic work,

Climate, material and form in design

Anthropometrics

The hand and its grasp

Body dimensions and its application in design

3. Trend Mapping:

Trend visualization

Consumer mapping

Market mapping

Product mapping

Technology Mapping

4. **Work flow optimization**

Tasks and sequences

Task flow mapping

Task flow analysis

Task flow optimization

5. **Packaging**

What is Packaging?

Material, form, modularity, nested paradigm, knock-down, folding, and space design for Packaging

Packaging for storage

Packaging for Transportation

Packaging for Branding

6. **Graphic software**

Photoshop

Adobe Illustrator

TOTAL VOC CONTENT

700

Certificate Level -VII

HRS.

1. Entrepreneurship

600-700

Entrepreneurial skills

- Setting up a design office. Finding clients.
- Business correspondence. Brief and briefing. Letter of contract.
- Professionalism and Ethics. Costing design and fee estimation.
- Management of Design Process, Human factor in managing design / team work.

Export policies

International Standards

Customs

Accounting

Retail practice

Marketing strategies

Patent and Design Registration laws / procedure. **Task Quality**

Management for processes

- cross-functional product design
- process management
- supplier quality management
- customer involvement
- information and feedback
- committed leadership
- strategic planning
- cross-functional training
- employee involvement

2. Brand design

- Brand identity
- Building a Unique Selling Point
- Memo ability
- Meaningfulness
- Likability
- Transferability
- Adaptability
- Protect ability

Elements of a Brand

- Name
- Logo
- Tagline or Catch-phrase
- Graphics
- Shapes
- Colors
- Sounds
- Scents
- Tastes
- Movements
- Customer relationship management

3. Documentation & Presentation

Photography

- Features of a Camera- Aperture, Shutter- Speed, Light,
- Composition
- Product Photography
- Downloading a Photograph
- Photo Correction

Portfolio design

4. Internship

Internship in a Design Firm

TOTAL VOC CONTENT

700

VOCATIONAL EDUCATIONAL QUALIFICATION FRAMEWORK

(Sector: Culture – Specialization: Archaeology)
NVEQF/Culture/A

S.No.	Certificate Level	Vocational Hours
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2.	Level-II	300 hrs
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Certificate Level - I

Making Drawing of Archaeological Finds (Relics)

HRS.

1. Introduction to archaeology and different archaeological material such as pottery, tools, terracotta and bone objects etc. 200-300

Tools and material required for drawing. Basics of drawing – line, dots, shapes, forms and light and shadows. Practical exercise of drawing plane surfaces, shaped surfaces, embossed forms, spheres and bowls; orientation of the object – plan view, top view, profile. Specific qualities of drawings of archaeological material.

TOTAL VOC CONTENT

300

Certificate Level - II

Making Drawing of Archaeological Structures

HRS.

1. Types of archaeological structures according to shape, size, material and use etc. 200-300

Tools and materials for drawing. Types of drawing – plan and elevation, section drawing of various structures and trenches, reconstruction drawings, conservation drawings. Methods of drawing. Practical exercise of making various types of drawing. Recording the drawings.

Basics of archaeological surveying and its relation to structure drawings.

TOTAL VOC CONTENT

300

Certificate Level - III

Archaeological Surveying

HRS.

1. Meaning and purpose of surveying. Tools and equipments. Preparing contour plan, site plan, key plan etc. Methods of surveying using different tools and equipments such as Dumpy Level, Plane table and Total Station Surveys. Preparing layout of trenches for excavation. 300-400

TOTAL VOC CONTENT

400

Certificate Level - IV

Pottery Typology and Documentation

HRS.

1. Cultural relevance of pottery. Understanding of pre-historic rock art in relation to Pottery 300-400
Identification of shapes and ware. Standard terminology.

Practical exercises related to identification and classification of pottery.

Preparation of pottery yard. Documentation of pottery coming to pottery yard. Marking of pottery. Cleaning of potteries.

TOTAL VOC CONTENT

400

Certificate Level - V

Computer/Digital Application in Archaeology

HRS.

1. Locating the sites with Google Earth; Knowledge of regional geography, topography; Understanding Geographical Information Service (GIS) Digitalization of archaeological drawing and images. Auto Cad drawings.
Using Photoshop Corel Draw for editing (managing colour, brightness and contrast, all over image light, and cropping and sizing) of archaeological images for documentation, presentation and publication.

Photography: Preparation of the subject for photography. Guidelines regarding timing of photography and safe handling and position of objects.

Basics of photography. Importance of Light and its control. Types of cameras – SLR, Digital, Digital SLR Camera. Types of lenses, films, filters and other accessories.

Record and final photography of excavated remains. Practical exercise of taking photography of monuments, inscriptions and coins etc.

Introduction to printing. Types of prints.

TOTAL VOC CONTENT

500

Certificate Level - VI

Preservation of Archaeological Finds

HRS.

1. Identification of material of archaeological finds – Metal, Glass, Pottery, Bone, Ivory, wood, stone, grains, fossils, etc.

On-site preliminary conservation treatment to different types of archaeological finds. Basic principles, materials and methods of cleaning of different types of archaeological finds.

Documentation of condition of archaeological finds – Recording, Photography, impression taking. Labeling and packing of objects for transportation to conservation laboratory or for storage.

Restoration and mending of broken objects – dowelling, joining, preparation of moulds and casts. Methods of preservation of archaeological sites.

TOTAL VOC CONTENT

600

Certificate Level - VII

Interpreting Archaeology

HRS.

1. Introduction to Indian Art and Archaeology.

600-700

Knowledge of local archaeological sites, monuments and objects housed in local museums and collections. Making the road/route map of various sites

Principles of interpretation: Knowledge of the subject; Understanding the audience; Basic courtesies; Personal appearance; Communication skills; Planning the talk/tour. Delivering/conducting the talk/tour; Giving directions and information other than the subject matter.

TOTAL VOC CONTENT

700