

GOVERNMENT COLLEGE OF FINE ARTS CHENNAIAFFILIATED TO THE TAMILNADU DR. J. JAYALALITHAA MUSIC AND FINE ARTS UNIVERSITY,
CHENNAI -600028<http://tnjjmfau.in>**FULL TIME - POST GRADUATE PROGRAMMES - MASTER OF FINEART****MFA– INDUSTRIAL DESIGN IN CERAMIC****TWO ACADEMIC YEAR (4 SEMESTER)****MFA-FIRST YEAR – INDUSTRIAL DESIGN IN CERAMIC****SEMESTER – I**

THEORY/ PRACTICAL	COURSE TITLE	L	T	P	C
THEORY	ANCIENT HISTORY OF CERAMICS	3	0	0	4
PRACTICAL	CERAMIC DESIGN	0	1	6	6
PRACTICAL	CERAMIC MURAL DESIGN	0	1	6	6
PRACTICAL	CERAMIC TILES MAKING	0	1	6	6
ELECTIVE	PAINTING	0	1	6	3
PRACTICAL	SOFT SKILL-I				2
		3	4	24	27

TOTAL PERIODS: 28 TOTAL CREDITS: 27

SEMESTER - II

THEORY/ PRACTICAL	COURSE TITLE	L	T	P	C
THEORY	METHODS AND MATERIALS OF CERAMICS	3	0	0	4
PRACTICAL	CREATIVE CERAMIC DESIGN	0	1	6	6
PRACTICAL	SANITARYWARE DESIGN	0	1	6	6
PRACTICAL	LOW TEMPERATURE GLAZE APPLICATION	0	1	6	6
ELECTIVE	SCULPTURE	0	1	6	3
PRACTICAL	INTERNSHIP				2
PRACTICAL	SOFT SKILL-II				2
		3	4	24	29

TOTAL PERIODS: 28 TOTAL CREDITS: 29

MFA-SECOND YEAR – INDUSTRIAL DESIGN IN CERAMIC**SEMESTER-III**

THEORY/ PRACTICAL	COURSE TITLE	L	T	P	C
THEORY	MANUFACTURING PROCESS OF CERAMIC PRODUCTS	3	0	0	4
PRACTICAL	CROCKERY DESIGN	0	1	6	6
PRACTICAL	POTTERY AND SHAPE MAKING	0	1	6	6
ELECTIVE	PHOTOGRAPHY FOR CERAMIC PRODUCTS	0	1	6	3
PRACTICAL	SOFT SKILL-III				2
		3	3	18	21

TOTAL PERIODS: 34 TOTAL CREDITS: 21

SEMESTER-IV

THEORY/ PRACTICAL	COURSE TITLE	L	T	P	C
THEORY	MODERN INDUSTRIAL CERAMICS	3	0	0	4
PRACTICAL	HIGH TEMPERATURE GLAZE APPLICATION	0	1	6	6
PRACTICAL	DISSERTATION- VIVA VOCE	0	1	6	6
	TOTAL NO. OF CREDITS	3	2	12	16

TOTAL PERIODS: 28 TOTAL CREDITS: 16

ELECTIVE:

I- PAINTING

II- SCULPTURE

III- PHOTOGRAPHY FOR CERAMIC PRODUCTS

NOT FOR EXAM:

OUTDOOR SKETCHING,

VISIT TO ART GALLERY, STUDIOS AND INDUSTRIES

VISIT, UNDERSTANDING MUSEUMS AND LIBRARY

VISIT TO UNDERSTANDING ON ART, ARCHITECTURE AND ARCHAEOLOGICAL PLACES OF INDIA

THEORY: (3 1 0 4) TOTAL NO. OF PERIODS: 60

(TA: TEACHERS ASSESMENT + CT: CLASS TEST = IA: INTERNAL ASSESMENT) 15+10=25

ESUE: END SEMESTER UNIVERSITY EXAM 75

PRACTICAL: (0 0 6 3) TOTAL NO. OF PERIODS: 90

(TA: TEACHERS ASSESMENT + CT: CLASS TEST = IA: INTERNAL ASSESMENT) 50+0=50

ESUE: END SEMESTER UNIVERSITY EXAM 50

TOTAL NUMBER OF CREDITS 67

(ONE CREDIT FOR EACH LECTURE PERIOD PER WEEK; ONE CREDIT FOR EACH TUTORIAL PERIOD PER WEEK; ONE CREDIT FOR EACH SEMESTER/PRACTICAL SESSION OF TWO PERIOD PER WEEK)

MFA-FIRST YEAR – INDUSTRIAL DESIGN IN CERAMIC

SEMESTER I

ANCIENT HISTORY OF CERAMICS

Pre Historical evolution of Ceramic.(Native and World) Development of Ceramic process from ancient period.

CERAMIC DESIGN

Various traditional decorative shape making through template method , Jigger and jolly, potter's wheel and other various method of model making, which is useful for society. Various forms of cups and saucers, flower vase, jars, bowls, plates and pots and etc., Execution of model making by clay and plaster of Paris.

Using Software: Computer Aided Design, 3Ds max, Auto CAD etc.,

CERAMIC MURAL DESIGN

Traditional floral forms, Temple wall panel and pillars, natural forms and various art forms converted into ceramic murals. Model execution by clay, white ware and plaster of Paris.

Various art forms – traditional Temple sculptures and panels – natural forms – and creative forms to be converted into low relief and high relief ceramic mural design. Execution by clay and plaster of Paris.

CERAMIC TILES MAKING

Interior And Exterior Tiles Making- Bathroom Tiles- Floor Tiles- Non-Slipping Tiles, Pavement Tiles, Garden Tiles, Facing Tiles, Roof Tiles, etc. model execution by clay and plaster of Paris. Porous and Non- porous white ware various ceramic glaze and unglazed tiles.

* In – plant visit to ceramic tiles manufacturing company and field analysis of various tiles and its uses. To submit printed report and a soft copy.

PAINTING-ELECTIV E-I

Natural forms - creative forms – various texture and technique

SOFT SKILL-I

SEMESTER II

METHODS AND MATERIALS OF CERAMICS

Formation of ceramic raw materials, Primary- secondary clay – Stone materials, Plaster of Paris and its uses. Ceramic colour preparation – ceramic glaze raw materials and its preparation.

Classification of ceramics. Raw materials– process of ceramic raw materials – through various kinds of machineries.

CREATIVE CERAMIC DESIGN

Natural forms – Creative forms used in the daily life utility ceramic products to create new design for the utility product to protect environment

SANITARYWARE DESIGN

Preparation of sanitary ware products – drawing – model making – mould making – casting – glazing – firing. Execution of model making by clay and Plaster of Paris

* In-plant visit to sanitary ware company and one month Marketing analysis of various products of sanitary ware company and its uses. To submit printed reports and soft copy.

LOW TEMPERATURE GLAZE APPLICATIONS

To formulate the low temperature glazes and apply on terracotta test pieces to discuss about the glazes problems in firing and rectification and to submit the test pieces with reports

SCULPTURE- ELECTIVE-II

INTERNSHIP

SOFT SKILL-II

MFA-SECOND YEAR – INDUSTRIAL DESIGN IN CERAMIC **SEMESTER-III**

MANUFACTURING PROCESS OF CERAMIC PRODUCTS

Manufacturing process of porous and non- porous ceramic products– terracotta– Earthen ware– porcelain ware – sanitary ware – stone ware – refractory ware – ceramic tile process – ceramic electrical components. Ergonomic & Basic principles of design. Principles of design to art pottery based on Traditional and Modern. Culturally based, Historically based Environmentally based, Geographically based, Economically based and Politically based of art and design.

CROCKERY DESIGN

Designing of utility ceramic wares, tea set - coffee set – dinner set – various bowls – plates, etc. Model execution by clay and plaster of Paris and white ware.

POTTERY AND SHAPE MAKING

Various traditional shapes and decorative pots- vases- jars, bowls and utility wares which is useful for cooking make through potter's wheel. Execution of model by clay-plaster of Paris and ceramic throwing bodies.

PHOTOGRAPHY FOR CERAMIC PRODUCTS- ELECTIVE -III

Advertising, Fashion, Glamour photography, Still life, Food, Editorial, Photo journalism, Portrait –Fine Art – Landscape photography. Manual and System.

Studio Portraits- In Door Lighting

Product Shooting- In Door Lighting, Product Alone, Product with Model

Portfolio for a Model – Out Door.

SOFT SKILL-III

SEMESTER IV

MODERN INDUSTRIAL CERAMICS

Development of various industrial ceramics – clay industries – Porcelain and enamel industries – refractory industries – gypsum industries – glass industries – abrasive industries and kiln industries.

Reference book: Modern Industrial ceramics.

HIGH TEMPERATURE GLAZE APPLICATIONS

To formulate the high temperature glazes and apply on ceramic test pieces to discuss about the glazes problems in firing and rectification and to submit the test pieces with report.

DISSERTATION- VIVA VOCE

On a topic of the student choice. Topic of dissertation may be assigned to the students in the beginning of third semester. Under the intimation to the department and University.

This will be assessed and discussed with the faculty and the Head of the department at regular intervals. Each student must submit dissertation report **two** copies in printed form as per **University** norms

ELECTIVE:

1. PAINTING

2. SCULPTURE

3. PHOTOGRAPHY FOR CERAMIC PRODUCTS

INTERSHIP TRAINING - FOR STUDENTS – – Four week –

(Choose any one of the Following area under the Reference of Class in Charge/College Guide and External guide)

1. Lalit Kala Academy, Ovia Nunkalai Kulu, Govt Museums, Galleries, Eminent Artists, Renovation/Restoration of Paintings and Sculptures Centres, Art Studios, Arts & Crafts centres, Methods and Materials, Print Making-Etching-Silk Screen studios Archaeological and Architectural places, Cholamandalam Artist Village, Govt projects, Learn and Handling Different Software's, Govt Press, Graphic art Studios, State and Centre Govt Organisations...etc
2. Training from Weavers service centre, Khadi india. Knit Wear Units, Jute & Coir Industries, Pattamadai Mate, Bhavani Jamukkalam, Kanchipuram silk Industries, Kalamkari, Natural Dyes & Technical Units, ADTC, Garment and Apparel Units, Handlooms and Textiles organisations, Co Operative Handloom Weavers Societies, Sitra, Technical textile industries, Arts & Crafts centres, Govt projects, Avadi - Defence Clothing Factory, Methods and Materials, Learn and Handling Different Software's, State and Centre Govt Organisations and Other Textile Research Institutions... etc
3. Terracotta – Sculpture Studios, Refractory & Ceramic Industries, Arts & Crafts centres, Pottary and Terracotta Units, Methods and Materials, Viruthachalam Ceramic Units, Learn and Handling Different Software's, State and Centre Govt Organisations and Other Ceramic & Glass Research Institutions... etc.
4. Various Sculpture Studios and Manufacturing Units, Govt Museums, Galleries, Eminent Artists, Renovation of Mural Paintings and Sculptures, Methods and Materials, Arts & Crafts centres, Learn and Handling Different Software's, Archaeological and Architectural places of India, State and Centre Govt Organisations and Other Sculpture Research Institutions... etc
5. Media Sectors, Press, Offset - Printing units & Publications, Advertising Agencies, Digital Photographic Studios, Cinematographic Sectors, Animation studios, Learn and Handling Different Software's, Interior/Exhibition Design - Methods and Materials, ... etc
6. Architectural Colleges, Archaeological and Architectural places of India, State and Centre Govt Organisations and Other Fine Arts / Visual Art Research Institutions... etc
7. ONE MONTH CAMP IN KV, TAMILNADU GOVT HIGH SCHOOL /HIGHER SEC SCHOOL TO CONDUCT PROGRAMME

In this programme the students from the Govt High/ higher Sec School, KV will be taught to execute the "THIRUKKURAL" in the form of art and Tamil Culture (Like Festival, Folk, Dance, ... etc....) will be transformed in different artistic ways by students.