

Model Curriculum

Roto Artist

SECTOR: MEDIA AND ENTERTAINMENT
SUB-SECTOR: Film, Television, Animation, Advertising
OCCUPATION: Roto artist
REF ID: MES/ Q 3504
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

Media and Entertainment Skill Council

for

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **'Roto Artist'** QP Ref. No. **'MES/Q3504, NSQF Level 4'**

Date of Issuance: 27th January 2022

Valid up to: 25th January 2027

* Valid up to the next review date of the Qualification Pack



Authorized Signatory
Media and Entertainment Skill Council

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Roto Artist

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Roto Artist”, in the “Media and Entertainment” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Roto Artist		
Qualification Pack Name & Reference ID. ID	MES/ Q 3504		
Version No.	3.0	Version Update Date	27-Jan-22
Pre-requisites to Training	Class XII with one year of relevant experience OR ITI (2 years after 10th) with one year of relevant experience Min Age: 17 Year		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Understand the creative and technical requirements and expectations in terms of quality of deliverables and timelines. • Determine key post-production processes that would be involved to produce the desired outcome and chart-out the process workflow (Supervisor). • Translate expectations into effort estimates for each process and prepare a work plan, keeping in mind the impact on the production budget, timelines and technical viability. • Gather raw footage/material and select relevant material that can be used for post-production. • Ingest the footage/keep the material ready for the post-production process. • Save back-ups for interim work-products in the appropriate file formats. • Ensure final work-products are prepared in appropriate file formats (such as mp4, avi, wmv, mpg and mov) and appropriate medium (such as DVD, film, tape and digital) compatible with intended distribution/exhibition mediums. • Clear logs/data and keep the software and equipment ready for future use. • Use the software to break the content down into individual frames in accordance to requirements. • Ensure that the work-products meet roto-scropy objectives and quality standards and are ready for compositing. • Identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency. • Identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms. • Identify aspects of your workplace that could cause potential risk to own and others health and safety • Ensure own personal health and safety, and that of others in the workplace though precautionary measures 		

This course encompasses 4 out of 4 National Occupational Standards (NOS) of “Roto Artist” Qualification Pack issued by “Media & Entertainment Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Understanding the requirements and planning workflow</p> <p>Theory Duration (hh:mm) 40:00</p> <p>Practical Duration (hh:mm) 50:00</p> <p>Corresponding NOS Code MES/N 3501</p>	<ul style="list-style-type: none"> Understand the creative and technical requirements and expectations in terms of quality of deliverables and timelines. Determine key post-production processes that would be involved to produce the desired outcome and chart-out the process workflow (Supervisor) Translate expectations into effort estimates for each process and prepare a work plan, keeping in mind the impact on the production budget, timelines and technical viability (Supervisor) 	Laptop, PowerPoint & white board, marker, projector, Laptop, Software like Silhouette, Nuke, Fusion, Combustion, 3DS Max etc.
2	<p>Managing Equipment and Material</p> <p>Theory Duration (hh:mm) 40:00</p> <p>Practical Duration (hh:mm) 80:00</p> <p>Corresponding NOS Code MES/N 3502</p>	<ul style="list-style-type: none"> Gather raw footage/material and select relevant material that can be used for post-production. Ingest the footage/keep the material ready for the post-production process. Save back-ups for interim work-products in the appropriate file formats. Ensure final work-products are prepared in appropriate file formats (such as mp4, avi, wmv, mpg and mov) and appropriate medium (such as DVD, film, tape and digital) compatible with intended distribution/exhibition mediums Clear logs/data and keep the software and equipment ready for future use 	Laptop, PowerPoint & white board, marker, projector, Laptop, Sample pictures and videos, Software like Silhouette, Nuke, Fusion, Combustion, 3DS Max etc. and image editing software like Photoshop
3	<p>Rotoscoping Footage</p> <p>Theory Duration (hh:mm) 40:00</p> <p>Practical Duration (hh:mm) 80:00</p> <p>Corresponding NOS Code MIN/N 3506</p>	<ul style="list-style-type: none"> Understand rotoscoping objectives Use the software to break the content down into individual frames in accordance to requirements Ensure that the work-products meet rotoscoping objectives and quality standards and are ready for compositing 	Laptop, PowerPoint & white board, marker, projector, Laptop, Sample pictures and videos, Software like Silhouette, Nuke, Fusion, Combustion, 3DS Max etc. and image editing software like Photoshop
4	<p>Maintain Workplace, Health & Safety</p> <p>Theory Duration (hh:mm)</p>	<ul style="list-style-type: none"> Explain the meaning of health List common health issues Follow safety measures during operations to ensure that the health 	Laptop, white board, marker, projector, Work safety and ergonomics chart,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	30:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code MIN/N 0104	and safety of self or others (including members of the public) is not at risk. <ul style="list-style-type: none"> Carry out operations as per the manufacturer's and worksite related health and safety guidelines. Handle the transport, storage and disposal of hazardous materials and waste in compliance with worksite health, safety and environmental guidelines. Follow safety regulations and procedures about worksite hazards and risks. Operate various grades of fire extinguishers, as applicable. 	Fire Extinguisher, First-Aid Kit
	Total Duration 390:00 Theory Duration 150:00 Practical Duration 240:00	Unique Equipment Required: Laptop, PowerPoint & white board, marker, projector, Laptop, Sample pictures and videos, Software like Silhouette, Nuke, Fusion, Combustion, 3DS Max etc. and image editing software like Photoshop, Cleaning tools, electricity tester, safety and ergonomics chart, Fire Extinguisher, First-Aid Kit	

Grand Total Course Duration: **390 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by Media and Entertainment Skill Council)

Trainer Prerequisites for Job role: “Roto Artist” mapped to Qualification Pack: “MES/ Q 3504, v2.0”

Sr. No.	Area	Details
1	Description	Roto artist in the Media & Entertainment Industry is also known as a Rotoscopy artist/ Paint artist. Individuals at this job need to break content down into individual frames/elements and alter/re-create content in accordance to requirements
2	Personal Attributes	This job requires the individual to have a good understanding of the fundamentals and principles of film-making. The individual must know the fundamentals of depth and should possess good drawing and illustration skills. The individual must have a good working knowledge of rotoscoping software including Nuke, After Effects, Silhouette etc
3	Minimum Educational Qualifications	Preferable Class XII Pass
4a	Domain Certification	Certified for Job Role: “Roto Artist” mapped to QP: “MES/ Q 3504, v1.0”. Minimum accepted score is 70%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MES/Q0212”. Minimum accepted % as per respective SSC guidelines is 60%.
5	Experience	Minimum 3 years of experience as Compositing or roto artist.

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Roto Artist
Qualification Pack	MES/ Q 3504, v2.0
Sector Skill Council	Media & Entertainment

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for each Qualification Pack will be created by the Media and Entertainment Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for each PC.
2	Each NOS will be assessed both for theoretical knowledge and practical
3	The assessment will be based on knowledge bank of questions created by the SSC.
4	Individual assessment agencies will create unique question papers for theory and skill practical part for each candidate at each examination/training centre
5	To pass the Qualification Pack, every trainee should score a minimum of 60% in every NOS
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

	NOS	NOS NAME	Weightage
1	MES/ N 3501	Understand requirements and plan workflow	30%
2	MES/ N 3502	Manage equipment & material	25%
3	MES/ N 3506	Rotoscoping footage	40%
4	MES/ N 3508	Maintain workplace health and safety Description	5%
			100%

Job Role	Roto Artist					
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NOS CODE	NOS NAME	Performance Criteria	Total Mark	Out Of	Marks Allocation	
					Theory	Skills Practical
MES/ N 3501	Understand requirements and plan workflow	PC1. Understand the creative and technical requirements and expectations in terms of quality of deliverables and timelines		30	15	
		PC2. Determine key post-production processes that would be involved to produce the desired outcome and chart-out the process workflow (Supervisor)	100	30	15	50

		PC3. Translate expectations into effort estimates for each process and prepare a work plan, keeping in mind the impact on the production budget, timelines and technical viability (Supervisor)		40	20	
			Total	100	50	50
MES/ N 3502	Manage equipment & material	PC1. Gather raw footage/material and select relevant material that can be used for post-production		20	10	
		PC2. Ingest the footage/keep the material ready for the post-production process		20	10	
		PC3. Save back-ups for interim work-products in the appropriate file formats		20	10	

		PC1. Ensure final work-products are prepared in appropriate file formats(such as mp4, avi, wmv, mpg and mov) and appropriate medium (such asDVD, film, tape and digital) compatible with intendeddistribution/exhibition mediums		20	10	
		PC2. Clear logs/data and keep the software and equipment ready for future use	100	20	10	50
			Total	100	50	50
MES/ N 3506	Rotoscoping footage	PC1. Understand rotoscoping objectives		30	15	
		PC2. Use the software to break the content down into individual frames in accordance to requirements	100	30	15	

		PC3. Ensure that the work-products meet rotoscopy objectives and quality standards and are ready for compositing		40	20	50
			Total	100	50	50
MES/ N 3508	Maintain workplace health and safety	PC1. Understand and comply with the organisation's current health, safety and security policies and procedures		10	5	
		PC2. Understand the safe working practices pertaining to own occupation		10	5	

		PC3. Understand the government norms and policies relating to health and safety including emergency procedures for illness, accidents, fires or others which may involve evacuation of the premises		5	3	
		PC4. Participate in organization health and safety knowledge sessions and drills		5	2	
		PC5. Identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency	100	10	5	50

		PC6. Identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms		10	5	
		PC7. Identify aspects of your workplace that could cause potential risk to you and others health and safety		10	5	
		PC8. Ensure own personal health and safety, and that of others in the workplace through precautionary measures		10	5	
		PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person		5	3	

		PC10. Report any hazards outside the individual's authority to the relevant person in line with organisational procedures and warn other people who may be affected		10	5	
		PC11. Follow organisation's emergency procedures for accidents, fires or any other natural calamity in case of a hazard		10	5	
		PC12. Identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individual's authority		5	2	
			Total	100	50	50