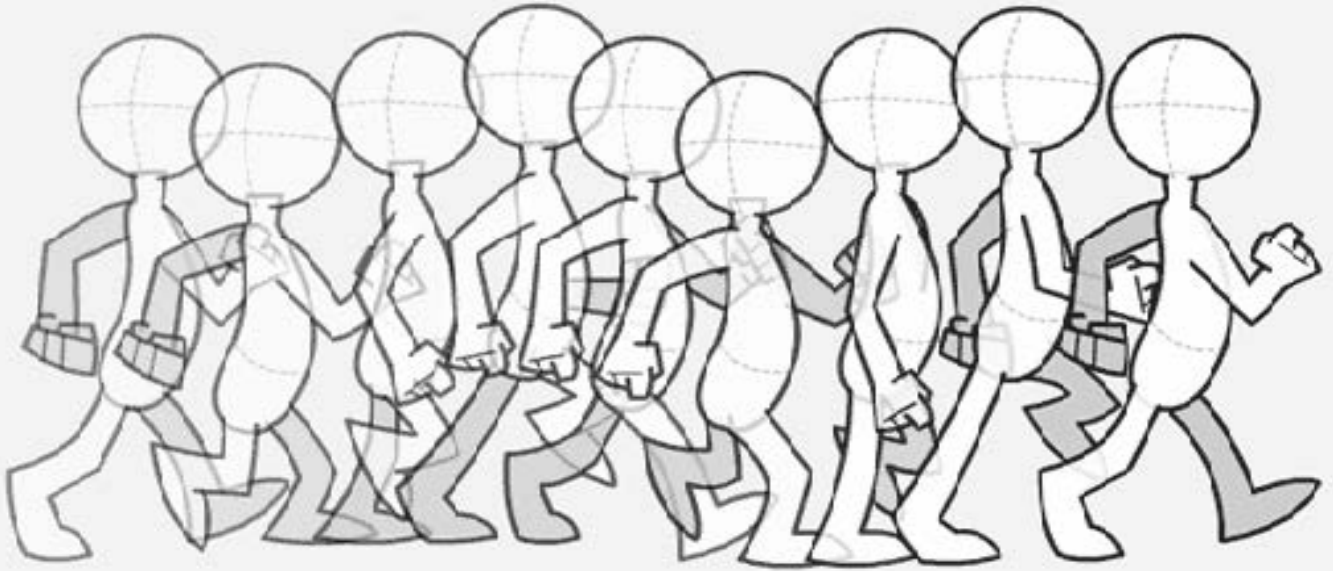


## Qualification Pack



# Animator

QP Code: PWD/MES/Q0701

Version: 2.0

NSQF Level: 4

Skill Council for PwD || 501, City Centre, 5th Floor, 12/5, Plot 5, Sector 12, Dwaraka  
New Delhi 110076

## Qualification Pack

**Adoption of Job Role for PwD :** Job mapping is critical for skill training of PwD so that the livelihood opportunity looks at him/ her not because he/ she is having a disability but because of the skill. Mapping with a disability involves research with subject matter experts (SMEs) with a view on the industry requirement without compromising on performance outcome. In cases, mapping is also supported by the use of assistive tools/ technology.

### Expository Mapped Parameters

<b>Sector</b>	PwD
<b>Originating SSC</b>	Media & Entertainment
<b>Original QP code</b>	MES/Q0701
<b>QP Version</b>	2.0
<b>Expository NSQF Level</b>	4
<b>Disability Type</b>	DeafSpeech and Language DisabilityHard of Hearing
<b>Disability Category</b>	Hearing impairment/Hearing Impaired
<b>Expository NSQF Approval Date</b>	31/01/2023
<b>Expository Reference code on NQR</b>	QG-04-PD-00161-2023-V1-SCPWD
<b>Expository NQR Version</b>	2.0
<b>Expository Next Review Date</b>	31/01/2024

## Qualification Pack

Expository Code	Expository Version	Expository Name	Minimum Entry Criteria	Expository Linked On
E004	1.0	Speech and Hearing Impairment	12th Class (12th grade pass OR 11th grade pass with 1 year experience OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 1-year NTC/ NAC plus 1 year experience OR 10th Grade pass with 2 year NTC (after 10th) OR 10th Grade Pass with 2 year relevant experience OR 8th grade pass plus 2-year NTC (after 8th) plus 1 Year NAC/CITS with 1 year of relevant experience OR 10th grade pass and pursuing continuous schooling OR Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass with 3 year of relevant experience Minimum Job Entry Age: 18 years),	N/A



## Qualification Pack

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## Qualification Pack

### MES/Q0701: Animator

#### Brief Job Description

Individuals at this job need to refer to concept artwork prepared by animation artists to produce animated sequence of 2D/3D images using animation software.

#### Personal Attributes

This job requires the individual to know the fundamentals of life drawing including human anatomy, emotions, actions and expressions. The individual must know and keep updated on graphics and animation software and apply principles of design, animation and film-making to create animation sequences. The individual must be able to collaborate and work effectively as a member of a team to deliver work-products within requisite timelines.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [MES/N0701: Understand Animation Requirements](#)
2. [MES/N0702: Conceptualize Creative Ideas for Production](#)
3. [MES/N0703: Plan Tools and Workflow](#)
4. [MES/N0704: Produce 2D Animation](#)
5. [MES/N0705: Produce 3D Animation](#)
6. [MES/N0706: Produce Stop Motion Animation](#)
7. [MES/N0104: Maintain Workplace Health & Safety](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>Country</b>	India
<b>NSQF Level</b>	4

## Qualification Pack

<b>Credits</b>	NA
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO 2015- 2166.0201
<b>Minimum Educational Qualification &amp; Experience</b>	12th Class with 1 Year of experience OR I.T.I (2 years after 10th) with 1 Year of experience
<b>Minimum Level of Education for Training in School</b>	10th Class
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	NA
<b>Next Review Date</b>	27/01/2027
<b>Deactivation Date</b>	31/01/2024
<b>NSQC Approval Date</b>	27/01/2022
<b>Version</b>	2.0
<b>Reference code on NQR</b>	QG-04-PD-00161-2023-V1-SCPWD
<b>NQR Version</b>	2.0

### Remarks:

Next Review Date 28/01/2027

## Qualification Pack

### MES/N0701: Understand Animation Requirements

#### Description

This OS unit is about understanding the project brief, product requirements and methodology/technique(s) to be used for production

#### Elements and Performance Criteria

##### *Understanding production requirements*

To be competent, the user/individual on the job must be able to:

**PC1.** understand, clarify and agree on the project brief from the director, art director and supervisors. this could include the following: creative objectives, as appropriate to the role concept/style of animation and the desired look target audiences project timelines and constraints

##### *Understanding the type of end-product that needs to be produced*

To be competent, the user/individual on the job must be able to:

**PC2.** understand various parameters of the end-product that would influence production requirements (e.g. duration, style, number of characters, subject and storyline, culture and period the story is based in, effects required, format, aspect ratio, music etc.)

**PC3.** understand the treatment of the output that needs to be produced, the volume of the final output

**PC4.** understand the shot sequence (high-level) and continuity/consistency required

##### *Selecting the animation technique(s) to be used*

To be competent, the user/individual on the job must be able to:

**PC5.** select an appropriate animation technique based on the output required, which could include: 2d animation: cell animation (e.g. early episodes of tom and jerry (series)) cut out animation (e.g. charlie and lola (series)) limited animation (e.g. south park, empire square (series) 3d animation: realistic 3d animation- motion capture + key frame animation (e.g. in films such as beowulf, avatar and lord of the rings gollum) semi-realistic 3d animation (e.g. films like little krishna and brave) toon 3d animation (e.g. films such as kung-fu panda) simulation of traditional & stop motion techniques (e.g. advertisements such as vineta cucini, amaron battery etc.) stop-motion animation others including vfx, stereo conversion

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** the objective/purpose that the end-product intends to achieve

**KU2.** the needs and expectations of the producer/project sponsor

**KU3.** the expectations of the director, art director and supervisor with respect to the process and techniques to be used

**KU4.** limitations on the time and resources and issues that might arise during production

**KU5.** the animation process and technical pipeline to be followed for animation

**KU6.** the format of the end-product and the medium on which it would be exhibited

**KU7.** the fundamentals and principles of animation

## Qualification Pack

- KU8.** the principles of animation, posing and character emotion
- KU9.** the basic rules of animation including squash and stretch, anticipation, staging, straight action, pose-to-pose, follow-through, overlapping action, ease in ease out, exaggeration, timing, appeal and secondary action
- KU10.** life drawing including human anatomy, emotions, actions and expressions
- KU11.** production concepts and their applicability to each project
- KU12.** the various techniques available for animating objects
- KU13.** how to observe, act and emote
- KU14.** the technical aspects of the job undertaken by other members of the production team (before and after the work of an animator)
- KU15.** applicability of various techniques to post production of each project
- KU16.** intellectual property rights to ensure that the end-product, elements, artwork etc. created is unique and does not infringe upon the rights of other products

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** document the project brief that can serve as a reference document for circulation to the production team (supervisor)
- GS2.** document decisions on the technique to be used and reasons thereof (supervisor)
- GS3.** document other areas (e.g. requirements of the target audience, market, end-product, reference links, videos etc.) that may be relevant for the production team
- GS4.** document notes on the project brief, techniques and other useful information for personal use (team)
- GS5.** read and understand the script and determine animation requirements (including specifics of the characters, country, culture etc.)
- GS6.** read about emerging techniques in animation and update skills accordingly
- GS7.** read and understand the comments given by the supervisor, director or customer
- GS8.** research the various types of end-products that have been produced and are available in the public domain
- GS9.** understand, clarify and agree on the project brief and parameters of the end-product with the producer and director
- GS10.** discuss and agree on the technique to be used with the director and art director
- GS11.** communicate the project brief effectively to team members, other animators and members from various departments involved in the animation process (supervisor)
- GS12.** clarify needs and communicate with clients (knowledge of english is preferred)
- GS13.** document creative and production requirements, for oneself or the wider team, in an organized manner
- GS14.** work effectively as a member of the team and help realise overall timelines
- GS15.** prioritise work-products and tasks based on requirements
- GS16.** understand the perspective of client, director, art director and supervisors so as to critically evaluate and select appropriate animation techniques



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Understanding production requirements</i>	20	15	-	-
<b>PC1.</b> understand, clarify and agree on the project brief from the director, art director and supervisors. this could include the following: creative objectives, as appropriate to the role concept/style of animation and the desired look target audiences project timelines and constraints	20	15	-	-
<i>Understanding the type of end-product that needs to be produced</i>	25	30	-	-
<b>PC2.</b> understand various parameters of the end-product that would influence production requirements (e.g. duration, style, number of characters, subject and storyline, culture and period the story is based in, effects required, format, aspect ratio, music etc.)	10	15	-	-
<b>PC3.</b> understand the treatment of the output that needs to be produced, the volume of the final output	10	10	-	-
<b>PC4.</b> understand the shot sequence (high-level) and continuity/consistency required	5	5	-	-
<i>Selecting the animation technique(s) to be used</i>	5	5	-	-
<b>PC5.</b> select an appropriate animation technique based on the output required, which could include: 2d animation: cell animation (e.g. early episodes of tom and jerry (series)) cut out animation (e.g. charlie and lola (series)) limited animation (e.g. south park, empire square (series) 3d animation: realistic 3d animation- motion capture + key frame animation (e.g. in films such as beowulf, avatar and lord of the rings gollum) semi-realistic 3d animation (e.g. films like little krishna and brave) toon 3d animation (e.g. films such as kung-fu panda) simulation of traditional & stop motion techniques (e.g. advertisements such as vineta cucini, amaron battery etc.) stop-motion animation others including vfx, stereo conversion	5	5	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0701
<b>NOS Name</b>	Understand Animation Requirements
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>NSQF Level</b>	4
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/07/2013
<b>Next Review Date</b>	24/02/2027
<b>NSQF Clearance Date</b>	24/02/2022

## Qualification Pack

### MES/N0702: Conceptualize Creative Ideas for Production

#### Description

This OS unit is about detailing the creative and design aspects of production

#### Elements and Performance Criteria

##### *Gathering visual references to serve as aids during the animation process*

To be competent, the user/individual on the job must be able to:

**PC1.** research and find character references that aid and inspire designs, including: previously executed animation work-products animations products available in the public domain artwork and other human, animal and creature behavioral videos

##### *Conceptualising creative ideas for animation*

To be competent, the user/individual on the job must be able to:

**PC2.** generate creative concepts and ideas for production using the concept art-work prepared by the designers, including: characters look, colors, dressing, attitude and behavior character expressions, emotions, poses character movement (e.g. walk, run, jump) and timing (body mechanics) costume designs color, lighting concepts and shadow placement, environment

**PC3.** present and discuss concepts with the director, art director or supervisors

**PC4.** agree on the style of the work-product that would most appeal to the target audience, taking into account production timelines and requirements

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** the guidelines provided by the director, animation supervisor and the producer with respect to characters and look and feel of the end-product

**KU2.** the elements/concept artwork (prepared by the character designers and the background/layout designers) and the colour/lighting/shadow keys (prepared by the art director, colour key artists)

**KU3.** the resources that are going to be used for production

**KU4.** the trends in animation and reference work-products produced before that closely relate to the style and technique that needs to be produced

**KU5.** how to observe and study human behavior and expressions to help visualise concepts

**KU6.** how to enact and emote

**KU7.** how to create hook up poses and animation

**KU8.** how to use camera angles to emphasize performance

**KU9.** new media technology including what is good for the web, mobile, tablets

**KU10.** how to evaluate the strengths and weaknesses of the hardware, software being used in the production pipeline

#### Generic Skills (GS)

User/individual on the job needs to know how to:

## Qualification Pack

- GS1.** document links, animation videos, artwork etc. that can be used as references during the production process
- GS2.** document character profiles and background descriptions, to help present to directors and supervisors, and guide the production process
- GS3.** interpret the storyboard/animatic correctly and understand the mood of the sequence/shot
- GS4.** research visual and written content to find appropriate references to be used during animation
- GS5.** keep apprised of the trends and work-products that are being produced in the market
- GS6.** suggest creative ideas to the director and animation supervisor
- GS7.** communicate clearly and collaborate effectively with colleagues from various departments
- GS8.** document creative ideas and concepts in an organized manner
- GS9.** work effectively as a member of the team and help realise overall timelines
- GS10.** prioritise work-products and tasks based on requirements
- GS11.** critically evaluate visual and written content/products during concept conceptualization

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Gathering visual references to serve as aids during the animation process</i>	20	20	-	-
<b>PC1.</b> research and find character references that aid and inspire designs, including: previously executed animation work-products animations products available in the public domain artwork and other human, animal and creature behavioral videos	20	20	-	-
<i>Conceptualising creative ideas for animation</i>	30	30	-	-
<b>PC2.</b> generate creative concepts and ideas for production using the concept art-work prepared by the designers, including: characters look, colors, dressing, attitude and behavior character expressions, emotions, poses character movement (e.g. walk, run, jump) and timing (body mechanics) costume designs color, lighting concepts and shadow placement, environment	15	10	-	-
<b>PC3.</b> present and discuss concepts with the director, art director or supervisors	10	10	-	-
<b>PC4.</b> agree on the style of the work-product that would most appeal to the target audience, taking into account production timelines and requirements	5	10	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0702
<b>NOS Name</b>	Conceptualize Creative Ideas for Production
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>NSQF Level</b>	4
<b>Credits</b>	2
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/07/2013
<b>Next Review Date</b>	24/02/2027
<b>NSQF Clearance Date</b>	24/02/2022

## Qualification Pack

### MES/N0703: Plan Tools and Workflow

#### Description

This OS unit is about selecting the most appropriate software tool(s) for production and planning the workflow for animation

#### Elements and Performance Criteria

##### *Understanding the software tools to be used for production*

To be competent, the user/individual on the job must be able to:

- PC1.** stay apprised of the various types of software tools available for production in the market including: 2d animation: toon boom harmony, adobe flash, hand-drawing 3d animation: autodesk maya, xsi, motion builder, 3d studio max, blender other custom and in-house tools
- PC2.** research and recommend the most appropriate tools for the production

##### *Understanding and following the work plan*

To be competent, the user/individual on the job must be able to:

- PC3.** Understand the workplan including production schedule, workflow, timelines, department wise output targets and technical specifications for the show
- PC4.** evaluate timelines for workflow, for oneself or the wider animation team, in accordance with the production schedule
- PC5.** read, follow and update the production workflow/schedule, deliverables and timelines with the director, art director and supervisors

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the production process followed by the organization
- KU2.** the production team and their individual roles and capabilities
- KU3.** the standards for quality set by the organization
- KU4.** the production process and creative brief
- KU5.** the software tools and equipment available in-house and/or through third-party providers
- KU6.** the nuances of various tools and how to suggest the best tool suitable for the production
- KU7.** traditional drawing tools and techniques
- KU8.** how to plan a shot-break-up
- KU9.** how to prepare a production schedule, including a break-up of activities that would need to be performed and deliverables that would need to be produced (supervisor)
- KU10.** how to estimate the expected effort, expected time for production and delivery keeping in mind the delivery dates, quality standards and project schedule (supervisor)
- KU11.** the principles of project management like project planning, scheduling, effort estimation, resource requirements (right from people to machines, space and communication tools)
- KU12.** risk and mitigation planning
- KU13.** rework and review management (efficiency and effectiveness)
- KU14.** techniques to identify trends in rework and propose/implement corrective action

## Qualification Pack

- KU15.** cpm and pert techniques
- KU16.** configuration management
- KU17.** the technical aspects of the job undertaken by other members of the production team (before and after the work of an animator)
- KU18.** how to prepare a detailed work plan and demarcate roles and responsibilities to members of the production team (supervisor)

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** prepare the work-plan (production plan and schedule) in an appropriate format that can be used as a reference point for planning workflow and assigning responsibilities(supervisor)
- GS2.** track the workflow on a regular basis and document deviations from timelines (supervisor)
- GS3.** create and present project status reports
- GS4.** write in english (added advantage)
- GS5.** keep apprised of the various software tools that are being used to produce animation
- GS6.** read and understand the software manuals and help tools, where required
- GS7.** read and understand the production and creative brief prepared by the director and art director
- GS8.** read and understand notes, instructions and inputs from clients
- GS9.** read in english (added advantage)
- GS10.** clarify the production and creative brief from the director, art director and supervisors
- GS11.** understand the production specifications and quality standards to be maintained
- GS12.** discuss and agree upon the software tools to be used for production
- GS13.** discuss and agree upon the production schedule and work plan
- GS14.** communicate effectively with team members to demarcate workflow and responsibilities
- GS15.** seek clarifications on the work plan from supervisors
- GS16.** assess the effort, duration and cost involved for each work activity
- GS17.** plan the production workflow, timelines and deliverables
- GS18.** agree on the roles and responsibilities of the team members
- GS19.** foresee any risks, issues and challenges that might arise during the production environment and plan accordingly



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Understanding the software tools to be used for production</i>	<b>20</b>	<b>20</b>	-	-
<b>PC1.</b> stay apprised of the various types of software tools available for production in the market including: 2d animation: toon boom harmony, adobe flash, hand-drawing 3d animation: autodesk maya, xsi, motion builder, 3d studio max, blender other custom and in-house tools	10	10	-	-
<b>PC2.</b> research and recommend the most appropriate tools for the production	10	10	-	-
<i>Understanding and following the work plan</i>	<b>30</b>	<b>30</b>	-	-
<b>PC3.</b> Understand the workplan including production schedule, workflow, timelines, department wise output targets and technical specifications for the show	10	10	-	-
<b>PC4.</b> evaluate timelines for workflow, for oneself or the wider animation team, in accordance with the production schedule	10	10	-	-
<b>PC5.</b> read, follow and update the production workflow/schedule, deliverables and timelines with the director, art director and supervisors	10	10	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0703
<b>NOS Name</b>	Plan Tools and Workflow
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>NSQF Level</b>	4
<b>Credits</b>	2
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/07/2013
<b>Next Review Date</b>	24/02/2027
<b>NSQF Clearance Date</b>	24/02/2022

## Qualification Pack

### MES/N0704: Produce 2D Animation

#### Description

This OS unit is about producing a set of 2D animated images, based on the storyboard, which would create an illusion of movement once played back in a sequential manner.

#### Elements and Performance Criteria

##### *Preparing a prototype 2D work product/pre-visualisation*

To be competent, the user/individual on the job must be able to:

- PC1.** follow the storyboard for composition i.e. positioning of the character with respect to the background and camera to create the desired animation
- PC2.** draw/source key frame drawings to establish reference points for poses

##### *Preparing 2D animation end-products*

To be competent, the user/individual on the job must be able to:

- PC3.** incorporate audio/music assets
- PC4.** create shadows for animation using pre-defined lighting keys
- PC5.** bring assets together to produce sequences and scenes/shots as per requirements and ensuring continuity
- PC6.** ensure that the hook-up/transition from one scene to another is done properly
- PC7.** how to work with layers and get a good perspective view

##### *Using 2D animation tools*

To be competent, the user/individual on the job must be able to:

- PC8.** work effectively within the team and with other departments, namely, assets, lighting and effects

##### *Reviewing, refining and storing end-products*

To be competent, the user/individual on the job must be able to:

- PC9.** critically review animation produced, keeping in mind creative and design specifications and the production brief
- PC10.** refine the output based on deviations observed and/or modifications required within requisite timelines
- PC11.** ensure that work-products meet quality standards (so that they can be approved with minimum iterations) and are delivered in requisite timelines
- PC12.** how to achieve the required output targets

##### *Working effectively within the animation team*

To be competent, the user/individual on the job must be able to:

- PC13.** organise, store and manage work-products into file formats using standard file naming conventions and maintain assets for further use
- PC14.** train junior animators to improve their output quality and skills, if appropriate to the role
- PC15.** apply principles of design, 2d animation and film-making to create sequences and scenes/shots
- PC16.** apply varied techniques and styles based on the requirement
- PC17.** use graphics and animation software to produce in-between poses for animation

## Qualification Pack

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the objective/purpose that the end-product intends to achieve
- KU2.** responsibilities and scope of work for various departments
- KU3.** the expectations of the client, director, animation supervisor and the producer with respect to the process, techniques to be used and guidelines with respect to characters and look and feel of the end-product
- KU4.** limitations on the effort, schedule, resources and issues that might arise during production
- KU5.** the production requirements and quality that needs to be reflected in the final output
- KU6.** the timelines within which the product needs to be delivered
- KU7.** the fundamentals and principles of animation and film-making
- KU8.** life drawing including human anatomy, emotions, actions and expressions
- KU9.** how to enact and emote; and thereby animate characters in accordance to the demands of the script and animatic
- KU10.** principles of movement and timing
- KU11.** how to work with graphics and animation software including adobe flash, harmony and understand their specifics
- KU12.** design standards and specifications that needs to be complied with to produce the final output
- KU13.** the interaction between various characters in a given scene and bring out that dynamic in the animation
- KU14.** applicable health and safety guidelines

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** report output, efforts and schedule taken to complete the allotted task
- GS2.** read and understand the script and character descriptions
- GS3.** read the work plan and production schedule to ensure that progress is in line
- GS4.** suggest creative ideas to the director and animation supervisor
- GS5.** communicate clearly and collaborate effectively with colleagues who are working with the previous or next scenes/shots
- GS6.** understand the modifications required from the director, animation supervisor and producer
- GS7.** discuss the challenges faced during production and discuss ways to address
- GS8.** such challenges in future projects
- GS9.** make decisions in order to be able to work collectively and independently, where required
- GS10.** understand shot break up and plan effort and time required for each element of the shot
- GS11.** how to plan and prioritise individual timelines and deliver on schedule
- GS12.** work effectively as a member of the team and help realise overall timelines
- GS13.** prioritise work-products and tasks based on requirements
- GS14.** address comments and make changes



## Qualification Pack

- GS15.** seek assistance and guidance from the director, art director and supervisors, where required
- GS16.** improve work-products and performance based on feedback received and through self-appraisal
- GS17.** understand the perspective of client, director, art director and supervisors and apply it to the animation being produced

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing a prototype 2D work product/pre-visualisation</i>	<b>10</b>	<b>10</b>	-	-
<b>PC1.</b> follow the storyboard for composition i.e. positioning of the character with respect to the background and camera to create the desired animation	5	5	-	-
<b>PC2.</b> draw/source key frame drawings to establish reference points for poses	5	5	-	-
<i>Preparing 2D animation end-products</i>	<b>13</b>	<b>12</b>	-	-
<b>PC3.</b> incorporate audio/music assets	3	2	-	-
<b>PC4.</b> create shadows for animation using pre-defined lighting keys	2	3	-	-
<b>PC5.</b> bring assets together to produce sequences and scenes/shots as per requirements and ensuring continuity	3	2	-	-
<b>PC6.</b> ensure that the hook-up/transition from one scene to another is done properly	2	3	-	-
<b>PC7.</b> how to work with layers and get a good perspective view	3	2	-	-
<i>Using 2D animation tools</i>	<b>2</b>	<b>3</b>	-	-
<b>PC8.</b> work effectively within the team and with other departments, namely, assets, lighting and effects	2	3	-	-
<i>Reviewing, refining and storing end-products</i>	<b>10</b>	<b>10</b>	-	-
<b>PC9.</b> critically review animation produced, keeping in mind creative and design specifications and the production brief	3	2	-	-
<b>PC10.</b> refine the output based on deviations observed and/or modifications required within requisite timelines	2	3	-	-

## Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC11.</b> ensure that work-products meet quality standards (so that they can be approved with minimum iterations) and are delivered in requisite timelines	2	3	-	-
<b>PC12.</b> how to achieve the required output targets	3	2	-	-
<i>Working effectively within the animation team</i>	<b>15</b>	<b>15</b>	-	-
<b>PC13.</b> organise, store and manage work-products into file formats using standard file naming conventions and maintain assets for further use	2	3	-	-
<b>PC14.</b> train junior animators to improve their output quality and skills, if appropriate to the role	2	3	-	-
<b>PC15.</b> apply principles of design, 2d animation and film-making to create sequences and scenes/shots	5	5	-	-
<b>PC16.</b> apply varied techniques and styles based on the requirement	3	2	-	-
<b>PC17.</b> use graphics and animation software to produce in-between poses for animation	3	2	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0704
<b>NOS Name</b>	Produce 2D Animation
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>NSQF Level</b>	4
<b>Credits</b>	3
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/07/2013
<b>Next Review Date</b>	24/02/2027
<b>NSQF Clearance Date</b>	24/02/2022



## Qualification Pack

### MES/N0705: Produce 3D Animation

#### Description

This OS unit is about animating 3D models using relevant techniques, based on the storyboard

#### Elements and Performance Criteria

##### *Preparing a prototype 3D work product/pre-visualisation*

To be competent, the user/individual on the job must be able to:

- PC1.** follow the storyboard for composition (eg: positioning of the character with respect to the background/camera to create the desired animation)
- PC2.** prepare prototype work product/pre-visualisation

##### *Preparing 3D animation end-products*

To be competent, the user/individual on the job must be able to:

- PC3.** apply principles of design, 3d animation and film-making to create sequences and scenes/shots
- PC4.** animate expressions and lip movements to match dialogues and sound
- PC5.** communicate requirements to camera and lighting for motion capture, where required
- PC6.** work with motion capture data received from the motion/ performance capture studio (clean up the data and map animation data to 3d models)

##### *Applying 3D animation techniques*

To be competent, the user/individual on the job must be able to:

- PC7.** apply 3d animation techniques, including: realistic 3d animation- motion capture + key frame animation (e.g. in films such as beowulf, avatar and lord of the ringss gollum) semi-realistic 3d animation (e.g. in films such as little krishna and brave) toon 3d animation (e.g. films such as kung-fu panda) simulation of traditional & stop motion techniques (e.g. advertisements such as vineta cucini, amaron battery etc.)

##### *Using 3D animation tools*

To be competent, the user/individual on the job must be able to:

- PC8.** produce 3d movements and performance with the help of 3d animation tools such as autodesk maya, xsi, 3d studio max, blender, motion capture tools like marker tracking cameras and inertial suits

##### *Reviewing, refining and storing end-products*

To be competent, the user/individual on the job must be able to:

- PC9.** critically review animation produced, keeping in mind creative and design specifications and the production brief
- PC10.** refine the output based on deviations observed and/or modifications required within requisite timelines
- PC11.** ensure that work-products meet quality standards (so that they can be approved with minimum iterations) and are delivered in requisite timelines
- PC12.** organise, store and manage work-products into file formats using standard file naming conventions and maintain assets for further use

##### *Working effectively within the animation team*

To be competent, the user/individual on the job must be able to:

## Qualification Pack

- PC13.** work and communicate effectively within the team and other departments, namely design, modeling/rigging, texturing, editing, rendering, compositing
- PC14.** train junior animators to improve their output quality and skills, if appropriate to the role

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the objective/purpose that the end-product intends to achieve
- KU2.** the profile of the target audience for the end-product
- KU3.** responsibilities and scope of work expected from the animator
- KU4.** the expectations of the client, director, animation supervisor and the producer with respect to the process, techniques to be used and guidelines with respect to characters and look and feel of the end-product
- KU5.** limitations on the effort, duration, schedule and resources and issues that might arise during production
- KU6.** the production requirements and quality that needs to be reflected in the final output
- KU7.** the timelines within which the product needs to be delivered
- KU8.** the typical processes involved 3d animation production i.e. staging, blocking, 1st. level animation, lip-sync and facials, final animation, specialised animation (cloth and hair simulation), secondary animation (accessories), lighting & rendering, sfx and compositing
- KU9.** applicable health and safety guidelines
- KU10.** basic/advanced scripting
- KU11.** the fundamentals and principles of 3d animation, 3d environments and film-making
- KU12.** art and visual treatment
- KU13.** fundamentals of motion capture and performance capture technologies
- KU14.** principles of movement and timing
- KU15.** principles of human/ animal/ character anatomy and how they can be applied to animation
- KU16.** how to observe and study human/ animal/ character behavior and expressions to help visualise concepts
- KU17.** how to enact and emote; and thereby animate characters in accordance to the demands of the script and animatic
- KU18.** properties of the surfaces that are being used in the animation
- KU19.** how to work with graphics and animation software including autodesk maya, softimage, xsi, 3d studio max and blender
- KU20.** design standards and specifications that needs to be complied with to produce the final output
- KU21.** 3d output and delivery formats
- KU22.** basics of modeling and rigging (added advantage)
- KU23.** applicable health and safety guidelines

### Generic Skills (GS)

User/individual on the job needs to know how to:

## Qualification Pack

- GS1.** report output, efforts and schedule taken to complete the allotted task
- GS2.** read and understand the script and character descriptions
- GS3.** read the work plan and production schedule to ensure that progress is in line
- GS4.** read and understand the short division, character identification and frames planned during motion / performance capture
- GS5.** suggest creative ideas to the director and animation supervisor
- GS6.** communicate clearly and collaborate effectively with colleagues who are working with the previous or next scenes/shots
- GS7.** understand the modifications required from the director, animation supervisor and producer
- GS8.** discuss the challenges faced during production and discuss ways to address
- GS9.** how to plan individual timelines and deliver on schedule
- GS10.** work effectively as a member of the team and help realise overall timelines
- GS11.** prioritise work-products and tasks based on requirements
- GS12.** understand shot break up and plan effort and time required for each element of the shot
- GS13.** address comments and make changes
- GS14.** seek assistance and guidance from the director, art director and supervisors, where required
- GS15.** improve work-products and performance based on feedback received and through self-appraisal

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing a prototype 3D work product/pre-visualisation</i>	<b>15</b>	<b>20</b>	-	-
<b>PC1.</b> follow the storyboard for composition (eg: positioning of the character with respect to the background/camera to create the desired animation)	10	15	-	-
<b>PC2.</b> prepare prototype work product/pre-visualisation	5	5	-	-
<i>Preparing 3D animation end-products</i>	<b>13</b>	<b>12</b>	-	-
<b>PC3.</b> apply principles of design, 3d animation and film-making to create sequences and scenes/shots	5	5	-	-
<b>PC4.</b> animate expressions and lip movements to match dialogues and sound	2	3	-	-
<b>PC5.</b> communicate requirements to camera and lighting for motion capture, where required	3	2	-	-
<b>PC6.</b> work with motion capture data received from the motion/ performance capture studio (clean up the data and map animation data to 3d models)	3	2	-	-
<i>Applying 3D animation techniques</i>	<b>2</b>	<b>3</b>	-	-
<b>PC7.</b> apply 3d animation techniques, including: realistic 3d animation- motion capture + key frame animation (e.g. in films such as beowulf, avatar and lord of the rings gollum) semi-realistic 3d animation (e.g. in films such as little krishna and brave)toon 3d animation (e.g. films such as kung-fu panda) simulation of traditional & stop motion techniques (e.g. advertisements such as vineta cucini, amaron battery etc.)	2	3	-	-
<i>Using 3D animation tools</i>	<b>3</b>	<b>2</b>	-	-
<b>PC8.</b> produce 3d movements and performance with the help of 3d animation tools such as autodesk maya, xsi, 3d studio max, blender, motion capture tools like marker tracking cameras and inertial suits	3	2	-	-
<i>Reviewing, refining and storing end-products</i>	<b>12</b>	<b>8</b>	-	-

## Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC9.</b> critically review animation produced, keeping in mind creative and design specifications and the production brief	3	2	-	-
<b>PC10.</b> refine the output based on deviations observed and/or modifications required within requisite timelines	3	2	-	-
<b>PC11.</b> ensure that work-products meet quality standards (so that they can be approved with minimum iterations) and are delivered in requisite timelines	3	2	-	-
<b>PC12.</b> organise, store and manage work-products into file formats using standard file naming conventions and maintain assets for further use	3	2	-	-
<i>Working effectively within the animation team</i>	<b>5</b>	<b>5</b>	-	-
<b>PC13.</b> work and communicate effectively within the team and other departments, namely design, modeling/rigging, texturing, editing, rendering, compositing	2	3	-	-
<b>PC14.</b> train junior animators to improve their output quality and skills, if appropriate to the role	3	2	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0705
<b>NOS Name</b>	Produce 3D Animation
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>NSQF Level</b>	4
<b>Credits</b>	3
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/07/2013
<b>Next Review Date</b>	19/07/2023
<b>NSQF Clearance Date</b>	19/01/2023

## Qualification Pack

### MES/N0706: Produce Stop Motion Animation

#### Description

This OS unit is about producing stop motion animation using relevant techniques, based on the storyboard

#### Elements and Performance Criteria

##### *Preparing a prototype work product/pre-visualisation*

To be competent, the user/individual on the job must be able to:

- PC1.** understand requirements including the way the characters will act/move in accordance to the storyboard
- PC2.** move characters and construct/compose a shot in accordance to the script and storyboard as a prototype

##### *Preparing stop motion animation end-products*

To be competent, the user/individual on the job must be able to:

- PC3.** animate stop motion characters (puppets or models) in accordance to the script and directors instructions
- PC4.** contribute creative ideas during the animation process

##### *Applying stop-motion animation techniques*

To be competent, the user/individual on the job must be able to:

- PC5.** apply stop motion animation techniques including traditional frameby-frame capture, claymation and cut-out using computer-generated tools

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the objective/purpose that the end-product intends to achieve
- KU2.** the profile of the target audience for the end-product
- KU3.** responsibilities and scope of work for various departments
- KU4.** the expectations of the director, animation supervisor and the producer with respect to the process, techniques to be used and guidelines with respect to characters and look and feel of the end-product
- KU5.** limitations on the time and resources and issues that might arise during production
- KU6.** the production requirements and quality that needs to be reflected in the final output
- KU7.** the timelines within which the product needs to be delivered
- KU8.** the fundamentals and principles of animation and film-making
- KU9.** stop motion animation techniques
- KU10.** principles of movement and timing
- KU11.** how to develop/portray the character in accordance to the script
- KU12.** principles of human anatomy and how they can be applied to animation
- KU13.** how to observe and study human behavior and expressions to help visualise concepts

## Qualification Pack

- KU14.** how to enact and emote; and thereby animate characters in accordance to the demands of the script and animatic
- KU15.** properties of the characters and materials that are being used in the animation
- KU16.** how to work with graphics and animation software including autodesk maya, xsi, 3d studio max and blender
- KU17.** design standards and specifications that needs to be complied with to produce the final output
- KU18.** applicable health and safety guidelines
- KU19.** applicable health and safety guidelines

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** read and understand the script and character descriptions
- GS2.** read the work plan and production schedule to ensure that progress is in line
- GS3.** suggest creative ideas to the director and animation supervisor
- GS4.** communicate clearly and collaborate effectively with colleagues who are working with the previous or next scenes/shots
- GS5.** understand the modifications required from the director, animation supervisor and producer
- GS6.** discuss the challenges faced during production and discuss ways to address such challenges in future projects
- GS7.** how to plan individual timelines and deliver on schedule
- GS8.** work effectively as a member of the team and help realise overall timelines
- GS9.** prioritise work-products and tasks based on requirements
- GS10.** address comments and make changes
- GS11.** seek assistance and guidance from the director, art director and supervisors, where required
- GS12.** improve work-products and performance based on feedback received and through self-appraisal



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing a prototype work product/pre-visualisation</i>	<b>20</b>	<b>20</b>	-	-
<b>PC1.</b> understand requirements including the way the characters will act/move in accordance to the storyboard	10	10	-	-
<b>PC2.</b> move characters and construct/compose a shot in accordance to the script and storyboard as a prototype	10	10	-	-
<i>Preparing stop motion animation end-products</i>	<b>20</b>	<b>20</b>	-	-
<b>PC3.</b> animate stop motion characters (puppets or models) in accordance to the script and directors instructions	10	10	-	-
<b>PC4.</b> contribute creative ideas during the animation process	10	10	-	-
<i>Applying stop-motion animation techniques</i>	<b>10</b>	<b>10</b>	-	-
<b>PC5.</b> apply stop motion animation techniques including traditional frameby-frame capture, claymation and cut-out using computer-generated tools	10	10	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0706
<b>NOS Name</b>	Produce Stop Motion Animation
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Animation, Gaming
<b>Occupation</b>	Animator
<b>NSQF Level</b>	4
<b>Credits</b>	3
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/07/2013
<b>Next Review Date</b>	24/02/2027
<b>NSQF Clearance Date</b>	24/02/2022

## Qualification Pack

### MES/N0104: Maintain Workplace Health & Safety

#### Description

This OS unit is about contributing towards maintaining a healthy, safe and secure working environment

#### Elements and Performance Criteria

##### *Understanding the health, safety and security risks prevalent in the workplace*

To be competent, the user/individual on the job must be able to:

- PC1.** understand and comply with the organizations current health, safety and security policies and procedures
- PC2.** understand the safe working practices pertaining to own occupation
- 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
- PC4.** participate in organization health and safety knowledge sessions and drills

##### *Knowing the people responsible for health and safety and the resources available*

To be competent, the user/individual on the job must be able to:

- PC5.** identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency
- PC6.** identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms

##### *Identifying and reporting risks*

To be competent, the user/individual on the job must be able to:

- PC7.** identify aspects of your workplace that could cause potential risk to own and others health and safety
- PC8.** ensure own personal health and safety, and that of others in the workplace through precautionary measures
- PC9.** identify and recommend opportunities for improving health, safety, and security to the designated person
- PC10.** report any hazards outside the individuals authority to the relevant person in line with organizational procedures and warn other people who may be affected

##### *Complying with procedures in the event of an emergency*

To be competent, the user/individual on the job must be able to:

- PC11.** follow organizations emergency procedures for accidents, fires or any other natural calamity in case of a hazard
- PC12.** identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individuals authority

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Organizations norms and policies relating to health and safety

## Qualification Pack

- KU2.** Government norms and policies regarding health and safety and related emergency procedures
- KU3.** Limits of authority while dealing with risks/ hazards
- KU4.** The importance of maintaining high standards of health and safety at a workplace
- KU5.** The different types of health and safety hazards in a workplace
- KU6.** Safe working practices for own job role
- KU7.** Evacuation procedures and other arrangements for handling risks
- KU8.** Names and contact numbers of people responsible for health and safety in a workplace
- KU9.** How to summon medical assistance and the emergency services, where necessary
- KU10.** Vendors or manufacturers instructions for maintaining health and safety while using equipment, systems and/or machines

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** how to write and provide feedback regarding health and safety to the concerned people
- GS2.** how to write and highlight potential risks or report a hazard to the concerned people
- GS3.** read instructions, policies, procedures and norms relating to health and safety
- GS4.** highlight potential risks and report hazards to the designated people
- GS5.** listen and communicate information with all anyone concerned or affected
- GS6.** make decisions on a suitable course of action or plan
- GS7.** plan and organize people and resources to deal with risks/ hazards that lie within the scope of ones individual authority
- GS8.** apply problem solving approaches in different situations
- GS9.** understand hazards that fall within the scope of individual authority and report all hazards that may supersede ones authority
- GS10.** apply balanced judgments in different situations
- GS11.** How to write and provide feedback regarding health and safety to the concerned people
- GS12.** How to write and highlight potential risks or report a hazard to the concerned people
- GS13.** Read instructions, policies, procedures and norms relating to health and safety
- GS14.** Highlight potential risks and report hazards to the designated people
- GS15.** Listen and communicate information with all anyone concerned or affected
- GS16.** Make decisions on a suitable course of action or plan
- GS17.** Plan and organize people and resources to deal with risks/ hazards that lie within the scope of ones individual authority
- GS18.** Apply problem solving approaches in different situations
- GS19.** build and maintain positive and effective relationships with colleges and customers
- GS20.** analyze data and activities
- GS21.** Understand hazards that fall within the scope of individual authority and report all hazards that may supersede ones authority
- GS22.** Apply balanced judgments in different situations

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Understanding the health, safety and security risks prevalent in the workplace</i>	<b>15</b>	<b>15</b>	-	-
<b>PC1.</b> understand and comply with the organizations current health, safety and security policies and procedures	5	5	-	-
<b>PC2.</b> understand the safe working practices pertaining to own occupation	5	5	-	-
<b>PC3.</b> 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	3	2	-	-
<b>PC4.</b> participate in organization health and safety knowledge sessions and drills	2	3	-	-
<i>Knowing the people responsible for health and safety and the resources available</i>	<b>10</b>	<b>10</b>	-	-
<b>PC5.</b> identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency	5	5	-	-
<b>PC6.</b> identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms	5	5	-	-
<i>Identifying and reporting risks</i>	<b>18</b>	<b>17</b>	-	-
<b>PC7.</b> identify aspects of your workplace that could cause potential risk to own and others health and safety	5	5	-	-
<b>PC8.</b> ensure own personal health and safety, and that of others in the workplace through precautionary measures	5	5	-	-
<b>PC9.</b> identify and recommend opportunities for improving health, safety, and security to the designated person	3	2	-	-

## Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> report any hazards outside the individuals authority to the relevant person in line with organizational procedures and warn other people who may be affected	5	5	-	-
<i>Complying with procedures in the event of an emergency</i>	<b>7</b>	<b>8</b>	-	-
<b>PC11.</b> follow organizations emergency procedures for accidents, fires or any other natural calamity in case of a hazard	5	5	-	-
<b>PC12.</b> identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individuals authority	2	3	-	-
<b>NOS Total</b>	<b>50</b>	<b>50</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	MES/N0104
<b>NOS Name</b>	Maintain Workplace Health & Safety
<b>Sector</b>	Media & Entertainment
<b>Sub-Sector</b>	Film, Television, Animation, Gaming, Radio, Advertising
<b>Occupation</b>	Ad sales/Account Management/Scheduling/Traffic
<b>NSQF Level</b>	5
<b>Credits</b>	2
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	30/12/2021
<b>Next Review Date</b>	31/03/2027
<b>NSQC Clearance Date</b>	31/03/2022

### Assessment Guidelines and Assessment Weightage

#### Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Element/ Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each Element/ PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

## Qualification Pack

### Minimum Aggregate Passing % at QP Level : 70

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

### Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MES/N0701.Understand Animation Requirements	50	50	-	-	100	20
MES/N0702.Conceptualize Creative Ideas for Production	50	50	-	-	100	10
MES/N0703.Plan Tools and Workflow	50	50	-	-	100	10
MES/N0704.Produce 2D Animation	50	50	-	-	100	10
MES/N0705.Produce 3D Animation	50	50	-	-	100	20
MES/N0706.Produce Stop Motion Animation	50	50	-	-	100	20
MES/N0104.Maintain Workplace Health & Safety	50	50	-	-	100	10
<b>Total</b>	<b>350</b>	<b>350</b>	<b>-</b>	<b>-</b>	<b>700</b>	<b>100</b>





## Qualification Pack

### Acronyms

<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills Qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training

## Qualification Pack

### Glossary

<b>Sector</b>	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>Scope</b>	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
<b>Knowledge and Understanding (KU)</b>	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.

## Qualification Pack

<b>Organisational Context</b>	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills (GS)</b>	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
<b>Electives</b>	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
<b>Options</b>	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.
<b>ANIMATIC</b>	Animatic is a story-board for animation which includes an series of images edited together with dialogues and sound
<b>BUDGET</b>	Budget is an estimate of the total cost of production that may include a break-up of cost components
<b>COMPOSITING</b>	Compositing is the process of combining layers of images/elements into a single frame
<b>COMPOSITION</b>	Composition is the positioning of the character with respect to the background and camera
<b>CREATIVE BRIEF</b>	Creative brief is a document that captures the key questions that serve as a guide for the production including the vision, objective of the project, target audience, timelines, budgets, milestones, stakeholders etc.
<b>KEY FRAME</b>	Key Frames are the key poses, usually the start and end poses for a particular animation sequence
<b>MODELING</b>	Modeling is the process of creating three-dimensional models for animation using a specialised software application.
<b>RENDERING</b>	Rendering is the process of converting three-dimensional models into two-dimensional images with 3D effects

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<b>RIGGING</b>	Rigging is the process of adding joints to a static three-dimensional model to aid movement during posing
<b>TIMELINES</b>	Timelines is a listing of dates by which the production milestones/stages need to be completed
<b>SECTOR</b>	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>SUB-SECTOR</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>VERTICAL</b>	Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry.
<b>OCCUPATION</b>	Occupation is a set of job roles, which perform similar/related set of functions in an industry
<b>FUNCTION</b>	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
<b>SUB-FUNCTIONS</b>	Sub-functions are sub-activities essential to fulfill the achieving the objectives of the function.
<b>JOB ROLE</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
<b>OCCUPATIONAL STANDARDS (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>PERFORMANCE CRITERIA</b>	Performance Criteria are statements that together specify the standard of performance required when carrying out a task
<b>NATIONAL OCCUPATIONAL STANDARDS (NOS)</b>	NOS are Occupational Standards which apply uniquely in the Indian context.
<b>QUALIFICATION PACK CODE</b>	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
<b>QUALIFICATION PACK</b>	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.

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<b>UNIT CODE</b>	Unit Code is a unique identifier for an Occupational Standard, which is denoted by an alphanumeric string.
<b>UNIT TITLE</b>	Unit Title gives a clear overall statement about what the incumbent should be able to do.
<b>DESCRIPTION</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>SCOPE</b>	Scope is the set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on the quality of performance required.
<b>KNOWLEDGE AND UNDERSTANDING</b>	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
<b>ORGANIZATIONAL CONTEXT</b>	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
<b>TECHNICAL KNOWLEDGE</b>	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>CORE SKILLS/GENERIC SKILLS</b>	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.