

Film Composer & Editor



Qualification File

**Ministry of Micro, Small and
Medium Enterprises, New Delhi
(MSME-Technology Centre)**

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

NATIONALSKILLQUALIFICATIONFRAMEWORK QUALIFICATION FILE

Version6: Draft of08March2016

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Office of Development Commissioner

Ministry of Micro, Small and Medium Enterprises

Udyog Bhawan,

Rafi Marg,

New Delhi - 110011

Name and contact details of individual dealing with the submission

Name : Mr. S. V. Rasal

Position in the Organization : Managing Director

Address if different from above : Institute for Design of Electrical Measuring Instruments,
Mumbai

Tel number : 022-24050301

E-mail address : pdidemi@yahoo.com

List of documents submitted in support of the Qualifications File

1. Curriculum
2. NSDC Media and Entertainment Skill Gap Study
3. Industrial Validation
4. Occupation Map

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

SUMMARY

Qualification Title	Film Composer & Editor
Qualification Code	MSME/ANI/
Nature and purpose of the qualification	<p>Nature: Certificate course in Film Composer & Editor</p> <p>Purpose: Learners who attain this qualification are competent in Video Editor and Video Composer and can get a job in Photo studio, advertising/media company or become an entrepreneur.</p> <ul style="list-style-type: none"> • Qualifying learners attain skills to work in post-production, design sound, capture motion, Design Video • Qualified learners are capable of editing videos, applying sound, applying video and audio effects, creating motion graphics, cleaning up a video, adding objects in video, color keying, color grading, managing own projects, compositing layers, managing electronic files, rendering files, formats and outputting, designing backgrounds and visual effects capabilities.
Body/bodies which will award the qualification	MSME-Technology Centre, Ministry of Micro, Small & Medium Enterprises, New Delhi.
Body which will accredit providers to offer courses leading to the qualification	MSME-Technology Centre, Ministry of Micro, Small & Medium Enterprises, New Delhi.
Body/bodies which will carry out assessment of learners	MSME-Technology Centre, Ministry of Micro, Small & Medium Enterprises, New Delhi.
Occupation(s) to which the qualification gives access	Jr. Video Editor / Composer, Roto Artist, Color Correction Artist, Match Moving Artist
Licensing requirements	Not Applicable
Level of the qualification in the NSQF	5
Anticipated volume of training/learning required to complete the qualification	390 Hours
Entry requirements and/or recommendations	10 + 2
Progression from the qualification	Initially candidate work as a Junior Composer after 2 year of experience he/she gets Editor/Composer/Supervisor/Team leader and according to performance the candidate will work as a Team Leader.
Planned arrangements for the Recognition of Prior learning (RPL)	Yes
International comparability where known	Not Known
Date of planned review of the qualification.	01/2019

Formal structure of the qualification

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

SR.NO	Title and identification code of component	Mandatory / Optional	Estimated size (learning hours)	Level
1	INTRODUCTION OF COMPUTER GRAPHICS	Mandatory	40	5
2	VIDEO EDITING	Mandatory	120	5
3	VFX & COMPOSITING	Mandatory	120	6
4	Project	Mandatory	110	6
Total			390Hrs	

SECTION 1 ASSESSMENT

Body/Bodies which will carry out assessment:

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

Assessment for the Film Making, Compositing & Editing is conducted in Examination Cell of IDEMI, Mumbai

Will the assessment body be responsible for RPL assessment?

YES. Learners who have met the requirements of any Unit Standard that forms part of this qualification may apply for recognition of prior learning to the NSQF Compliance training provider. The applicant must be assessed against the specific outcomes and with the assessment criteria or the relevant Unit Standards.

Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:

1. ASSESSMENT GUIDELINE:

- Criteria for assessment based on each learning outcomes, will be assigned marks proportional to its importance.

- The assessment for the theory & practical part is based on knowledge bank of questions created by trainers and approved by Examination cell (IDMI Mumbai)

- For each Individual batch, Examination cell will create unique question papers for theory part as well as practical for each candidate at each examination.

- To pass the Qualification, every trainee should score a minimum of 75% cumulatively (Theory and Practical)

- Assessment comprises the following components:

>Job carried out in labs

>Record book/ daily diary

>Answer sheet of assessment

>Viva -voce

>Progress chart

>Attendance and punctuality

2. ASSESSORS:

MSME Technology Centre faculty teaching the Advance Web Animation course, Assessment done by expert nominated by Examination Cell as per guidelines set by Examination cell of MSME Technology Centre. Faculties are been trained from time to time to upgrade their skills on various aspects such as conduction of assessments, teaching methodology etc.

3. ELIGIBILITY TO APPEAR IN THE EXAM:

Minimum 75% attendance is compulsory for the students to appear for the assessments.

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

4. MARKING SCHEME (Per Subject):

Sr. No.	Method of Assessments	Weightage (Max. marks)	Evaluator
1	Written test	30	Trainer + Moderator (Head of Animation)+ Examiner nominated by Examination cell (IDEMI)
2	Practical test	30	
3	Oral test/viva voce	10	
4	Portfolio	10	
5	Project	10	
6	Direct Observation	10	
Total		100	

5. PASSING MARKS:

Passing criteria is based on marks obtain in attendance record, term works , assignments, practical's performance, viva or oral exam, module test, practical exam and final exam

Minimum Marks to pass practical exam – 60%

Minimum Marks to pass final exam –40%

Minimum Marks to pass viva / oral exam – 60%

Minimum Marks to pass Project report and presentation exam – 60%

6. RESULTS AND CERTIFICATION:

The assessment results are backed by evidences collected by assessors. Successful trainees are awarded the certificates by IDEMI.

ASSESSMENT EVIDENCE

Assessment evidence comprises the following components document in the form of records:

- 1) Job carried out in labs
- 2) Record book/ daily diary
- 3) Answer sheet of assessment
- 4) Viva –voce
- 5) Progress chart
- 6) Attendance and punctuality

Title of Component: Film Composer & Editor

Sr. No.	Outcomes to be assessed	Assessment criteria for the outcome
---------	-------------------------	-------------------------------------

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

1	Demonstrate the use of computer peripherals and Manage files and folders	<p>The candidate should able to;</p> <p>1.1 Describe the parts of a computer system</p> <p>1.2 Describe the use of different types of software</p> <p>1.3 Differentiate between primary and secondary memory</p> <p>1.4 Differentiate between system software and application software</p> <p>1.5 Distinguish between common I/O ports and connectors</p> <p>1.6 Identify hardware components of computer</p> <p>1.7 Connect various parts and devices of computer system.</p> <p>1.8 Start and shut down a computer system</p> <p>1.9 Describe the purpose of files and folders</p> <p>1.10 Describe the procedure for locating files and folders on the drive</p> <p>1.11 Create a file and folder.</p> <p>1.12 Locate and rename a folder and file</p> <p>1.13. Delete a file or folder, COPY-PASTE file and folder, CUT-PASTE file and folder</p>
2	Demonstrate the use of Internet, surfing and social networking sites	<p>The candidate should able to;</p> <p>2.1 Describe purpose of internet, world wide web</p> <p>2.2 Explain the terms – Internet Service Provider, Uniform Resource Locator, Hyperlink, etc.</p> <p>2.3 Name different web browsers</p> <p>2.4 Describe the risks associated with the online activity like: unintentional disclosure of personal information,</p> <p>2.5 Demonstrate how to connect to internet</p> <p>2.6 Open and close web browsing application</p> <p>2.7 Enter the URL in the address bar</p> <p>2.8 Search documents using search engines</p> <p>2.9 Navigate forward and backward between previously visited web pages</p>
3	Demonstrate the use of Email	<p>The candidate should able to;</p> <p>3.1 Describe the purpose of email</p> <p>3.2 Explain the structure of email address</p> <p>3.3 Describe the various features of email and their uses</p> <p>3.4 Describe the advantages of using email, like speed of delivery, low cost, facility for attachment of documents, spell check facility, etc.</p> <p>3.5 Describe the difference between the To, CC, BCC fields.</p> <p>3.6 Describe the procedure of sending, forwarding and searching emails</p> <p>3.7 Discuss the best practices to be adopted while using email</p> <p>3.8 Create an email account, Compose an email, Insert</p>

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

		<p>and remove a file attachment</p> <p>3.9 Open the Sent box to see the, emails sent, Add signatures, Prepare and save a draft, message in Drafts folder</p> <p>3.10 Manage an email account by moving emails into folders/labels, Manage email account by deleting unwanted messages from inbox and trash folder</p>
4	Identify elements of communication cycle and Provide feedback	<p>The candidate should able to;</p> <p>4.1 Describe the meaning of communication</p> <p>4.2 State the different elements of communication cycle</p> <p>4.3 Identify elements of communication cycle, Draw a diagram of communication cycle</p> <p>4.4 Differentiate between Sender, Message, Medium, Receiver and Feedback.</p> <p>4.5 Describe the importance of active listening</p> <p>4.6 Describe the meaning of feedback</p> <p>4.7 Describe the importance of feedback</p> <p>4.8 Describe the characteristics of feedback</p> <p>4.9 Differentiate between descriptive and specific feedback</p>
5	Overcome barriers in Communication, Apply principles of communication	<p>5.1 Describe the factors that act as communication barrier</p> <p>5.2 Describe the ways to overcome barriers in effective Communication</p> <p>5.3 Describe the various principles of effective communication</p>
6	Understanding the software tools to be used for production	<p>The candidate able to;</p> <p>6.1 Describe the various types of software tools available for production in the market including:</p> <p>2D animation: Toon Boom Harmony, Adobe Flash, Hand-drawing</p> <p>3D animation: Autodesk Maya, XSI, Motion Builder, 3D Studio Max, Blender</p> <p>6.2 Other custom and in-house tools for the production</p>
7	Selecting the animation technique(s) to be used	<p>The candidate should able to</p> <p>7.1. Identify an appropriate animation technique based on the output required</p> <p>3D Animation: Realistic 3D animation- motion capture + key frame animation (e.g. in films such as Beowulf, Avatar and Lord of the Rings' Gollum)</p> <p>7.2 Identify and demonstrate use of Semi-realistic 3D animation (e.g. films like little Krishna and Brave)</p> <p>Toon3D animation (e.g. films such as Kung-fu Panda)</p> <p>Simulation of traditional & stop motion techniques (e.g. advertisements such as Vineta Cucini, Amaron Battery etc.) Stop-motion animation Others including VFX, stereo conversion</p>

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

8	Use adobe premiere pro, Edit the video	<p>The Candidate should able to;</p> <p>8.1 Explain the concept of workspaces with examples</p> <p>8.2 Describe video and sound editing projects and its Creation</p> <p>8.3 Demonstrate the use of toolbox of Adobe premiere pro</p> <p>8.4 Describe video editing workflow</p> <p>8.5 Describe timeline panel, Explain basic standards followed in editing a video, Describe clips and its types</p> <p>8.6 Demonstrate how to edit the video</p>
9	Use Adobe sound booth, Edit the sound	<p>The Candidate should able to;</p> <p>9.1 Describe the procedure of increasing or decreasing the amplitude of a range by using the volume pop-up menu</p> <p>9.2 Demonstrate the ability to use simple features of Adobe sound booth</p> <p>9.3 Give demo of editing the beginning or end of an audio track</p> <p>9.4 Explain various ways of editing audio track</p> <p>9.5 Demonstrate how to increase or decrease the length of the range by clicking and dragging the start and end points of the audio track</p> <p>9.6 Demonstrate how to edit the sound track</p>
10	Demonstrate how to create Compositions, Use Adobe after effects and Demonstrate the knowledge of compositing	<p>The Candidate should able to;</p> <p>10.1 Explain the basic standards followed in compositions</p> <p>10.2 Explain minimum requirements for compositing images through:</p> <ul style="list-style-type: none"> • Physical composition • Multiple Exposure • Background projection • Matting <p>10.3 Composite the image using following techniques:</p> <ul style="list-style-type: none"> • Physical composition • Multiple Exposure • Background projection • Matting <p>10.4 Explain Work spaces and its types</p> <p>10.5 Explain the concept and use of various tools of tool box</p> <p>10.6 Demonstrate how to create and arrange layers in a composition</p> <p>10.7 Demonstrate the knowledge of compositing</p> <p>10.8 Demonstrate working with effects through Effect Controls Panel</p>

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

11	Describe the Pre production activities	The Candidate should able to; 11.1 Demonstrate how to perform pre-production activities 11.2 Prepare a flow chart of preproduction activities and Required materials/equipment
12	Conceptualizing effects that Can be created for productions	12.1 Determine requirements for visual effects from the script and provide instructions to the production team on how footage should be shot to ensure that the desired effects can be created (Supervisor). (Sometimes this may require them to be present on set) 12.2 Assess shoot footage to determine capability to generate effects 12.3 Visualize the story and conceptualize effects that would enhance, rectify or complete the production 12.4 Identify and finalize the techniques that could be used to create the desired effects
13	Creating realistic effects through the use of software	13.1 Generate the required effects that conform to requirements and quality standards 13.2 Ensure continuity in the final output

Means of assessment 1 and 2

Skill performance is assess by conducting

- i) Assignment for each module
- ii) Written test for each module
- iii) Final exam after completion of all module
- iv) Practical exam for each module
- v) Final practical exam after completion of all module
- vi) Viva / Oral Exam
- vii) Project report and presentation

Pass/Fail

Passing criteria is based on marks obtain in attendance record, term works , assignments, practical's performance, viva or oral exam, module test, practical exam and final exam

- i) Minimum Marks to pass practical exam – 60%
- ii) Minimum Marks to pass final exam – 40%
- iii) Minimum Marks to pass viva / oral exam –60%
- iv) Minimum Marks to pass Project report and presentation exam – 60%

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

SECTION 2

EVIDENCE OF LEVEL

Option A

Title/Name of qualification/component: Film Composer & Editor Level:5			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
Process	<ul style="list-style-type: none"> Manage electronic files and data safely, securely and according to specified requirements. 	Job holder is expected to understand the script brief and requirements for post-production by application of basic creative principles and processes for Post Production by interpreting Knowledge of Editing Considering the core skills, computer-generated effects, color grading, digital intermediate, screen conversion, rendering, rotoscoping, keying, match moving, compositing character properties .Candidates is expected to understand the script in brief requires the individual to have a good understanding of film-making and cinematography and must have a good understanding of preproduction, production and post-production processes including of Managing technical areas such as Camera, Sound, Lighting and Production design and creative areas such as Costumes and styling and Set design and have creative vision.	6
Professional knowledge	<ul style="list-style-type: none"> Job holder Analyze requirements for Film post production processes based on given specifications and existing reference material. Explain and Demonstrate Professional Knowledge include Creative aspects, mode of the video, Color correction, Special effects & rendering. 	Job holder's needs to have an understanding of basic editing principles and knowledge about the usage of the software's of the audio and video effects. Job holders have factual knowledge of field of study which is editing. Jobholder is expected to have knowledge of the script understanding the technical aspects of post-production, principles of continuity. Job holder needs to have knowledge about editing, sound postproduction, color correction, animation, VFX and printing needs to meet creative vision and element of production also technical, generic, professional and organizational specific knowledge of responsibilities Principles of Visual Communication, Composition and Continuity in Filmmaking with respect to the technological as well as technical ways of Considering the in-depth professional and factual knowledge.	5
Professional skill	<ul style="list-style-type: none"> Develop creative elements according to specification using existing digital data. 	Job holder is engaged in tasks such as computer generated effects, colour grading, digital intermediate, screen conversion, rendering, rotoscoping, keying, matchmoving, compositing Preparing materials and equipment for the post production process, Collect raw footage/material and select relevant material that can be used for	5

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

	<ul style="list-style-type: none"> Develop digital data can include photographic images, pictures, sound, etc. 	<p>postproduction Needs to Create realistic effects through the use of software, he is responsible for carrying out his/her job. These activities are routine in nature with narrow range of application. Job Holder has to actively engage with the Post Production team and also actively engage with Director, Jobholder is expected to plan an organize and work according to the requirements and agreed timeline, Solve technical problems, appraise the quality of the final product to ensure it is in line with the expected quality standards and suggest areas of improvement and find solutions to address them.</p>	
Core skill	<ul style="list-style-type: none"> Evaluate workflow and visual effects against specified requirements Manage post production according to specified requirements. 	<p>The jobholder is needs to have Generic Skills of writing, Oral and Communication Skills related to their day to day animation work. Jobholder needs document postproduction requirements as a draft of assignment given by supervisor. Understand the project requirements/client requirement which requires clarity in oral and the written skills and while working on the content he needs to be aware of the social, political and natural environment. The job holder is needs to have Generic Skills of Writing, Reading, and Oral Skills. The Job Holder needs to take sequence of activities to the editors to help guide the editing process, Discuss scene wise with the post production team i.e. dialogues, movements, expressions and timing of the shot. The Job Holder needs to be a good storyteller and needs to understand creative requirements Track the action plans and schedules during the postproduction.</p>	5
Responsibility	<ul style="list-style-type: none"> Check-up procedures to ensure that project objectives are finished within specified time frames are developed. Checkup procedures to ensure that agreed ethical and legal requirements are met are drawn. The compliance of animation products with specified requirements is ensured. Products can include storyboards, animation (including objects, 	<p>Job holder is required to carry out functions such as typing; editing audio and video effects using software's such as Photoshop, Adobe Premier Pro, Adobe After Effects, Final Cut Pro etc. In these activities job holder is doing the tasks independently without any supervision and he is responsible for his own learning at the task. Job holder carries out his job role by Managing technical areas such as Camera, Sound, Lighting and Production design and creative areas such as Costumes and styling and Set design, also Managing and guiding the postproduction Process and Prepare the final version Responsible for carrying out his/her job, some of which will require them to make choices about the approaches they adopt. They also require to constantly improvising their approach based on their experience. Individuals employed to carry out these jobs will be expected to be able to communicate clearly in speech and writing also Ensure that the work-products meet quality standards.</p>	5

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

	characters, shading, lighting, images, and backgrounds), rendered files.		
--	--	--	--

QUALIFICATION FILE TEMPLATE

SECTION 3

EVIDENCE OF NEED

What evidence is there that the qualification is needed?

- As per the industrial survey –cum-validation of curriculum, it is found that the Video Editing/Compositing industries need skilled candidate for Film Making, Compositing & Editing assignment related to various Entertainment and Media projects.

What is the estimated uptake of this qualification and what is the basis of this estimate?

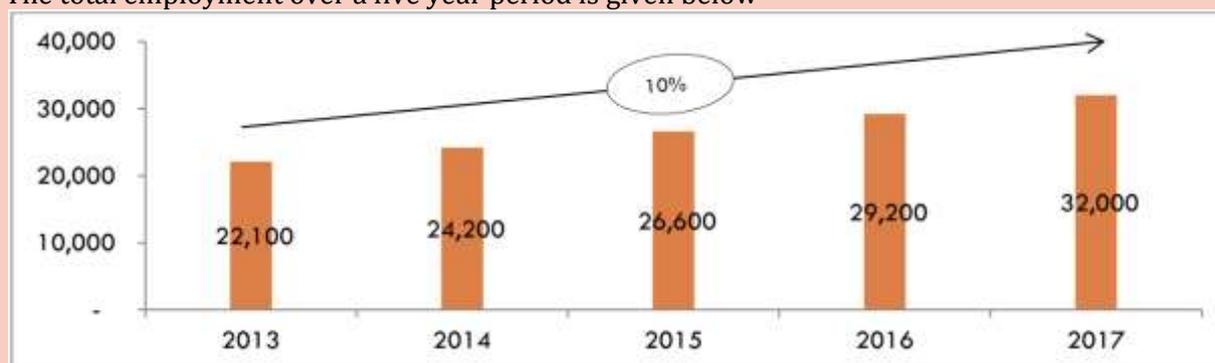
The size of the Animation Industry is estimated at INR 40 billion in 2013 and is expected to grow at a CAGR of 16% to reach **INR 73 billion in 2017**. The animation industry is comprised of animation services' companies and production houses creating content across the following categories: **Feature films , Television series, Advertisements**

The major animation techniques used include: **Film Compositor & Editor**

Film making companies take up low-end production and post-production work outsourced from studios abroad and domestic companies in India. These companies make up for ~60% of the industry's revenues.

The current employment in the animation industry is ~22,000 individuals, comprising both permanent employment at studios and freelancers.

The total employment over a five year period is given below



What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?

The qualification is originally designed by curriculum committee comprising the training head, industrial expert, academic professional experts.

The work group under the guidance of curriculum development committee already conducted desk search as well as refers the qualification packs for as a supporting document for the mapping of curriculum.

As per the search it is found that, the certificate course is not available for the skill development of the candidates in Animation Sector under the Media and Entertainment Sector Skill Council.

What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?

The curriculum committee meeting for review will be in the month of Jan 2018 which comprising industrial expert, university professors with subject specialization.

The data used for revision or update will be impact analysis (student and industries) and new subject

NSQF QUALIFICATION FILE

Version 6: Draft of 08 March 2016

area opportunities, multiple entry and exits incorporated or RPL strategy implementations.

The curriculum review and updates, in consultation with industries and expert of respective domain, NOS approved by NSDA will also be referred.

SECTION 4

EVIDENCE OF RECOGNITION AND PROGRESSION

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

Qualifying trainee will obtain an IDEMI Film Making, Compositing & Editing. After 2 year of experience he/she get Technical Team leader and according to performance the candidate will work as an Animation Film Director.

Horizontal Progression

(Career Options)

NSQF LEVEL

LEVEL 10

LEVEL 9

LEVEL 8

LEVEL 7

LEVEL 6

LEVEL 5

LEVEL 4

LEVEL 3

LEVEL 2

LEVEL 1



13

Vertical Progression

(Career Progression)

NSQF LEVEL

LEVEL 10

LEVEL 9

LEVEL 8

LEVEL 7

LEVEL 6

LEVEL 5

LEVEL 4

LEVEL 3

LEVEL 2

LEVEL 1



14