

QUALIFICATION FILE SUMMARY

Qualification Title	Certified Android Apps Developer		
Qualification Code	NIELIT/MD/1/14		
Nature and purpose of the qualification	A Technical Diploma To provide employment opportunities in mobile application development sector		
Body/bodies which will assess candidates	Examination Cell, National Institute of Electronics and Information Technology, 6-CGO Complex, Electronics Niketan, Lodhi Road, New Delhi. 110003.		
Body/bodies which will award the certificate for the qualification.	Certification Division, National Institute of Electronics and Information Technology, 6-CGO Complex, Electronics Niketan, Lodhi Road, New Delhi. 110003.		
Body which will accredit providers to offer the qualification.	Accreditation Division, National Institute of Electronics and Information Technology, 6-CGO Complex, Electronics Niketan, Lodhi Road, New Delhi. 110003.		
Licensing requirements	N/A		
Occupation(s) to which the qualification gives access	Android Apps Developer		
Proposed level of the qualification in the NSQF.	5		
Notional Learning Hours	100 hours.		
Entry requirements / recommendations.	Graduate/Undergraduate and knowledge of Java, Internet Concepts and Database.		
Progression from the qualification.	Android App Programmer ↓ Android App Developer ↓ Android App Team Leader		
Planned arrangements for RPL.	<ul style="list-style-type: none"> • Presently only candidates who undergo training shall be assessed. • It will be incorporated once RPL strategy is finalized 		
Formal structure of the qualification			
Title of unit or other component (include any identification code used)	Mandatory/Optional	Estimated size (learning hours)	Level

Introduction To Android And Creating Applications And Activities	Mandatory	25	5
Creating User Interfaces And Intents, Broadcast Receivers, Adapters, And The Internet	Mandatory	25	
Files, Saving State, And Preference, Database And Project	Mandatory	50	

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum or Qualification Pack. Nil

SECTION 1 ASSESSMENT

Name of assessment body:

Examination Cell

National Institute of Electronics and Information Technology
6-CGO Complex, Electronics Niketan,
Lodhi Road, New Delhi. 110003.

Will the assessment body be responsible for RPL assessment?

Yes. We will conduct Online/Entrance Test/Interview of the Participants for Admission. Entrance test will be based on Aptitude (20%), Logical reasoning (20%), Basic Computer (10%) and Basic Knowledge of computer language (30%) and Internet (20%). At the course end, we will conduct Theory and Practical Examination for each module. A candidate will be eligible for a Certificate, if he/she clears all the papers and submit project. The grading system of Certified Android Apps Developer is given below

- Pass Aggregate - 60 %

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:

The emphasis is on practical demonstration of skills & knowledge based on the performance criteria. Each OUTCOME is assessed & marked separately. Student is required to pass in all OUTCOMES individually and marks are allotted. Following assessment methodologies are used.

- Written Assessment (Multiple Choice Questions)
- Practical Assessment
- Viva Voce Assessment

Supporting evidences for Assessment

The assessment results are backed by following evidences.

- The assessor collects a copy of the attendance for the training done under the scheme. The attendance sheets are signed and stamped by the In charge / Head of the Training Centre.
- The assessor verifies the authenticity of the candidate by checking the photo ID card issued by the institute as well as any one Photo ID card issued by the Central/Government. The same is mentioned in the attendance sheet.
- The assessor assigns roll number.
- The assessor takes photograph of all the students along with the assessor standing in the middle and with the centre name/banner at the back as evidence.

Please attach any documents giving further information about assessment and/or RPL.

ASSESSMENT EVIDENCE

Complete the following grid for each grouping of NOS, assessment unit or other component as listed in the entry on the structure of the qualification on page 1.

Job Role Android Apps Developer

Title of Unit/Component:

Assessable Outcomes	Assessment criteria for the outcome	Total Mark	Written	Practical	Vivo-voce
OUTCOME-1: Recognize Android And Creating Applications And Activities	Follow the concepts of Android	125	25	25	10
	Create Applications and Activities of Android		25	25	15
		Total	50	50	25
OUTCOME-2: Creating User Interfaces And Intents, Broadcast Receivers, Adapters, And The Internet	Core Skills to Create User Interface and Intents	125	25	25	10
	Learn use of Broadcast Receiver, Adapters and Internet		25	25	15
		Total	50	50	25
OUTCOME-3: Files, Saving State, And Preference, Database And	To Create Files, Saving Files in Android	125	25	25	10
	Manage Application With Database		25	25	15
		Total	50	50	25
OUTCOME-4: Project	Acquiring Expert Skills On Android	125			125
		Total			125
	Grand Total	500	150	150	200

Means of assessment 1

Proctored online assessments (LAN and Web based), carried out using a variety of question formats applicable for linear / adaptive methodologies; performance criteria being assessed via situation judgement tests, simulations, code writing, psychometrics and multiple choice questions etc.

SECTION 2

SUMMARY EVIDENCE OF LEVEL

Level of qualification: 5

Summary of Direct Evidence:

Justify the NSQF level allocated to the QP by building upon the five descriptors of NSQF. Explain the reasons for allocating the level to the QP.

Generic NOS is/are linked to the overall authority attached to the job role.

Process required	Professional knowledge	Professional skill	Core skill	Responsibility	Level
Individual after acquiring the knowledge of Android is able to Create Applications and Activities Individual After Acquiring The Knowledge Intents Advance Skills To Understand Broadcast Receiver, Adapters And Internet Is Able To Create Network Based Application.	After Acquiring Skill To Create Files, Saving Files And Understanding Database Is Able To Manage Application With Database In order to implement the various processes of the App, the developer must have: The Knowledge of concepts, syntaxes, and implementation of the technology/ Language. The candidate should have the knowledge of all the topics given in the curriculum in terms of the concept as well as its	After Completing The Project Individual Is Capable Of Developing Application With The Use Of Knowledge Aquired From The First Three Module. Understanding user requirements; envisioning system features and functionality. The core coding skills in terms of making and using the software controls, connecting them to the front end and backend of the software. Coordinating with the team, delivering products as per schedule, contributing to team	The developer should have strong technical, analytical and problem solving, skills. The developer should have the basic communication skills to communicate properly with other team members and with the client as and when required during the software development. The developer must be a team player so as to have a good co-ordination with other team members.	Android Apps Developer are able to Create Applications, Activities, Network Based Application, Application With Database.	5

	practical implementation. Must have good understanding of application architecture	meetings; troubleshooting development and production problems across multiple environments and operating platforms.			
5	5	5	5	5	5