**Course:** Advanced Diploma in Java Enterprise edition

* Course Id :
* Candidate Eligibility: Diploma in Engineering, Bachelor's Degree in Science/Technology/Computers or any graduate course equivalent to these.
* No. Of NOS (If QP) : **NA**
* NSQF Level : **6**
* Cost Category : **1**
* Course Duration 05 Months (06hrs per day)
  + Theory duration : **210 hrs**
  + Practical duration : **210 hrs**
  + OJT duration : **0**

**Trainer Qualification Work Experience**

|  |  |
| --- | --- |
| **Trainer Qualification** | **Work Experience** |
| **Essential Qualification:** | Atleast 1 year teaching experience in relevant field. |
| B.E/B.Tech (CS/IT/EC)/MCA |  |
|  |  |
|  |  |

**CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE**

**Name and address of submitting body:**

National Institute of Electronics & Information Technology, Patna

Near IIT Patna, Amhara, Bihta, Patna - 801106

**Name and contact details of individual dealing with the submission**

|  |  |  |
| --- | --- | --- |
| **Name** | : | Manoj Kumar |
| **Position in the organization** | : | Joint Director |
| **Tel number(s)** | : | 0612-2219134 |
| **Mobile** | : | 9631862823 |
| **E-mail address** | : | mkumar@nielit.gov.in |

|  |  |
| --- | --- |
| **Qualification Title** | Advanced Diploma in Java Enterprise edition |
| **Qualification Code** |  |
| **Nature and purpose of the qualification** | **Nature: Certification Course**  **Purpose:** Qualified learners will be able to be employed as   * Software Developer/Trainee * Software Engineer * System Analysts |
| **Body/bodies which will award the qualification** | National Institute of Electronics & Information Technology (NIELIT)  Near IIT Patna, Amhara, Bihta, Patna (Bihar)-801106 |
| **Body which will accredit providers to offer courses leading to the qualification** | National Institute of Electronics & Information Technology (NIELIT)  Near IIT Patna, Amhara, Bihta, Patna (Bihar)-801106 |
| **Body/bodies which will carry out assessment of learners** | Examination Cell,  National Institute of Electronics & Information Technology (NIELIT), Near IIT Patna, Amhara, Bihta, Patna (Bihar)-801106 |
| **Occupation(s) to which the qualification gives access** | Software Developer/Trainee, Software Engineer,System Analysts |
| **Licensing requirements** | **Not Applicable** |
| **Level of the qualification in the NSQF** | **6** |
| **Anticipated volume of training/learning required to complete the qualification** | **240** |
| **Entry requirements and / or recommendations** | Diploma in Engineering, Bachelor's Degree in Science/Technology/Computers or any graduate course equivalent to these |
| **Progression from the qualification** | Academic Progression: PG Diploma Courses  Master Level Courses related to Software Trainee  Software Developer  Project Leader  Project Manager  Senior manager(Project Planning) |
| **Planned arrangements for the Recognition of Prior learning (RPL)** | * Presently only candidates who undergo training shall be assessed. * It will be incorporated once RPL strategy is finalized |
| **International comparability where known** | **N/A**  **CNC** |
| **Date of planned review of the qualification.** | **N/A** |

|  |  |  |  |
| --- | --- | --- | --- |
| Formal Structure of the Qualification | |  |  |
| **Title of Component and Identification Code** | **Mandatory/** **Optional** | **Estimated**  **Size**  (Learning hours) | **Level** |
| Advanced Diploma in Java Enterprise Edition (Core Java, Advanced Java, JEE and Project) | M | 420 | 6 |

**ASSESSMENT**

**Body/Bodies which will carry out assessment:**

Examination cell - National Institute of Electronics & Information Technology, Patna

**How will RPL assessment be managed and who will carry it out?**

*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 relevant Education body. The applicant must be assessed against the specific outcomes and with the assessment criteria for 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, reliable and fair and show that these are in line with the requirements of the NSQF.**

**1. ASSESSMENT GUIDELINE:**

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

1. Written Assessment (Multiple Choice Questions)
2. Practical Assessment
3. Viva Voce Assessment

The assessment results are backed by following evidences.

1. 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.
2. 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.
3. 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.

**2. ASSESSORS:**

NIELIT Patna faculty teaching the course, also assesses the students as per guidelines set by Examination cell of NIELIT Patna.

**3. ELIGIBILITY TO APPEAR IN THE EXAM:**

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

**4. MARKING SCHEME:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Module | Assessment (Marks) | | | | Job Role |
| Total | Theory | Practical | Viva |
| Core Java & Advanced  Java Programming  Java Enterprise Edition &  Project | 50    100 | 20    40 | 20    40 | 10    20 | Java Developer    JEE Developer |
| Total | 150 | 60 | 60 | 30 |  |

**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, class test, practical exam and final exam

Minimum Marks to pass practical exam – 50%

Minimum Marks to pass theory exam – 35%

Grade Equivalents:-

>85% S

>75% & <85% A

>65% & <75% B

>50% & <65% C

>35% & <50% D

**6. RESULTS AND CERTIFICATION:**

The assessment results are backed by evidences collected by assessors. Successful trainees are awarded the certificates by NIELIT, Patna.