

## Assistant Software Developer Skill

सोफ्टवेयर डवलपर सहायक के रूप में कौशल अर्जित कर किसी भी सोफ्टवेयर कम्पनी/एजेन्सी या स्टार्टअप के साथ जुड़कर रोजगार प्राप्त किया जा सकता है।

Course Name	Assistant Software Developer Skill	Course Code	SSC/Q0508
<p><b>Training Outcomes : After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"> <li>Assist in performing software construction and software testing entry-level tasks in the IT Services industry</li> <li>Manage work to meet requirements</li> <li>Maintain a healthy, safe and secure working environment</li> </ul>			

### CURRICULUM / SYLLABUS

#### Part-A (Domain Skills)

S. No.	Module	Duration (In Hours)
1.	<p><b>Assist in performing software construction and testing entry-level tasks in the IT services industry:</b></p> <ul style="list-style-type: none"> <li>Demonstrate basic computer and internet literacy including operating a Computer, describing its major components and how they work, using Windows and Linux OS, operating a browser, searching the internet, Managing mails and using social internet media.</li> <li>Demonstrate aptitude for analyzing information and making logical conclusions.</li> <li>Demonstrate knowledge of the foundational mathematical concepts in computing.</li> <li>Design algorithms to solve problems and convert them into code using the appropriate programming language constructs.</li> </ul> <p>Read and execute a test case and record the outcome in the appropriate</p>	100:00
2.	<p><b>Self and Work management :</b></p> <ul style="list-style-type: none"> <li>Establish and agree work requirements with appropriate people</li> <li>Keep immediate work area clean and tidy</li> <li>Utilize time effectively</li> <li>Use resources correctly and efficiently</li> <li>Treat confidential information correctly</li> <li>Work in line with organization's policies and procedures</li> <li>Work within the limits of job role</li> <li>Obtain guidance from appropriate people, where necessary</li> <li>Ensure work meets the agreed requirements</li> </ul>	60:00
3.	<p><b>Team Work and Communication :</b></p> <ul style="list-style-type: none"> <li>Obtain guidance from appropriate people to agree the analysis to be performed on the data</li> <li>Obtain advice and guidance from appropriate people on issues with data analysis outside their area of competence or</li> <li>Review the results of their analysis with appropriate people</li> <li>Undertake modifications to your analysis based on inputs from appropriate people</li> <li>Communicate with colleagues clearly, concisely and accurately</li> <li>Work with colleagues to integrate their work effectively with them</li> <li>Pass on essential information to colleagues in line with organizational requirements</li> <li>Work in ways that show respect for colleagues</li> <li>Carry out commitments they have made to colleagues</li> <li>Let colleagues know in good time if they cannot carry out your commitments, explaining the reasons</li> <li>Identify any problems they have working with colleagues and take the initiative to solve</li> </ul>	30:00



S. No.	Module	Duration (In Hours)
	<p>these problems</p> <ul style="list-style-type: none"> <li>Follow the organization's policies and procedures for working with colleagues</li> </ul>	
4.	<p><b>Managing health and safety :</b></p> <ul style="list-style-type: none"> <li>Comply with organization's current health, safety and security policies and procedures</li> <li>Report any identified breaches in health, safety, and security policies and procedures to the designated person</li> <li>Identify and correct any hazards that can deal with safely, competently and within the limits of authority</li> <li>Report any hazards that one is not competent to deal with to the relevant person in line with organizational procedures and warn other people who may be affected</li> <li>Follow their organization's emergency procedures promptly, calmly, and efficiently</li> <li>Identify and recommend opportunities for improving health, safety, and security to the designated person</li> <li>Complete any health and safety records legibly and accurately</li> </ul>	30:00
5.	<p><b>Data and Information Management :</b></p> <ul style="list-style-type: none"> <li>Establish and agree with appropriate people the data/information they need to provide, the formats in which you need to provide it, and when they need to provide it</li> <li>Obtain the data/information from reliable sources</li> <li>Check that the data/information is accurate, complete and up-to-date</li> <li>Obtain advice or guidance from appropriate people where there are problems with the data/information</li> <li>Carry out rule-based analysis of the data/information, if required</li> <li>Insert the data/information into the agreed formats</li> <li>Check the accuracy of work, involving colleagues where required</li> <li>Report any unresolved anomalies in the data/information to appropriate people</li> <li>Provide complete, accurate and up-to-date data/information to the appropriate people in the required formats on time</li> </ul>	30:00
6.	<p><b>Learning and Self Development :</b></p> <ul style="list-style-type: none"> <li>Obtain advice and guidance from appropriate people to develop your knowledge, skills and competence</li> <li>Identify accurately the knowledge and skills they need for your job role</li> <li>Identify accurately their current level of knowledge, skills and competence and any learning and development needs</li> <li>Agree with appropriate people a plan of learning and development activities to address their learning needs</li> <li>Undertake learning and development activities in line with their plan</li> <li>Apply new knowledge and skills in the workplace, under supervision</li> <li>Obtain feedback from appropriate people on their knowledge and skills and how effectively you apply them</li> <li>Review their knowledge, skills and competence regularly and take appropriate action</li> </ul>	10:00
<b>Sub Total</b>		<b>260:00</b>

## Part-B (Soft Skills)

S. No.	Topics	Duration (In Hours)
1.	Development Competency/ Proficiency in English/Vernacular	10:00
2.	Effective Communication	10:00
3.	Self & time Management	10:00



Skilling Youth  
Enriching Livelihoods

# Mukhyamantri Yuva Kaushal Yojna (MMYKY)



S. No.	Topics	Duration (In Hours)
4.	Motivational Techniques	05:00
5.	Interpersonal Skill Development	05:00
6.	Computer Literacy	20:00
7.	Life Skills	05:00
8.	Entrepreneurship	15:00
9.	Occupational Safety, Health and Environment Education	10:00
<b>Sub Total</b>		<b>90:00</b>

**Total Course Duration : 350:00 Hours**