Estimated project roadmap

PATRGTEST

Final payment in accordance with the spent man-hours, travel and accommodation expenses

Published by Patrotest

web: www.patrotest.com

This is an example of a preliminary calculation of the project budget before signing a contract with our customers. All figures in this document are for reference only.

Patrotest is not responsible for the correctness of the selected measurement methods and the interpretation of standards.

All approaches to the measurement and the equipment used are consistent with the customer. Patrotest gives no warranty (either expressed or implied) in relation to the quality, accuracy, performance and fitness for purpose of this document.

Patrotest will not be liable for any loss or damage (whether directly or indirectly suffered), or any consequential loss arising from the use of this document.

Project description		
Project name	Automation of electronic components quality inspection	
Standards	customer internal documents	
List of	resistance	
measured	capacity	
parameters	inductance	
Measuring	E4990A Impedance Analyzer	
equipments		
DUT's	Any type of resistance, capacity, inductance	
description	0806, 1206	

Project description

Project architecture and implementation method

Automation and logging software for measuring the parameters of electronic components.

Input quality control in production.

Measures sampling parameters and calculates statistical parameters.

Forms a report and draws a conclusion about the compliance of limits

Composition of the software suite

TestPatron Automation Studio, 1 license

TestPatron Script for measuring automation and test report creation

TestPatron Driver for Keysight E4990A

Project RoadMap

The project will be carried out by three employees in two stages under the supervision of the project manager. To develop the documentation, a technical writer is involved.

The 1st and 2nd stage run simultaneously.

1st stage: TestPatron driver development

2nd stage: TestPatron script development

Then the customer will be trained and the project will be submitted for technical support.

1st stage: TestPatron driver development for Keysight E4990A The stage is performed by labview developer			
	remote	on site	
examination of instrument			
documentation	4		
development of the	2		
command system	2		
driver template	8		
development	0		
driver debugging.			Will be performed remotely
manual and automatic	12		
testing			
release to production	2		
preparation of	4		
documentation			

The stage is performed by scr			
Substage	Duration, man-hours		Remark
	remote	on site	
method of test customer	2		
approval	2		
test report template dev.	4		
Customer approval	4		
script development	16		
remote debugging	8		Will be performed remotely
customer approval	4		TestPatron allows to correct script on the fly
remarks correction			
customer tranning	4		
release to production 4	4		Prepare an installation disk with all software
	4		components
preparation of	0		user manuals for software suite
documentation	8		

Project duration estimation

Total spent man-hours	82	
# of business trips	0	

Expected time of project	2	since the stages run simultaneously and
implementation, weeks	2	several employees work

Project cost estimation

Initial data*		
Description	Unit cost	Remark
TestPatron Automation Studio, 1 license, USD	1450	the license is associated with the computer identifier
Script developer hour rate, USD	30	
Labview developer hour rate, USD	50	
Travel expenses, 2 way, 1 person, USD Berlin, Germany	250	
Accommodation expenses, 1 day, USD	150	
TestPatron Automation Studio,	1900	
* The cost depends on the terms of the contract		

* The cost depends on the terms of the contract

Calculation	quantity	Amount, usd
TestPatron License	1	1450
Script developer, man-hours	50	1500
Labview developer, man-hours	32	1600
Travel and accomodation expenses	0	0
Project management and accounting	10%	455
1 year technical support	10%	500,5
Estimated project cost*		5505,5

*Possible error in time and cost estimation less than 30% (confidence levels is 90%)