Project Metrics

Project Name:	Golden PCTO
Project Manager:	Bryan Imaralu

Project Description:	This project created a web application that allows every G.Marconi's student to access a large database of companies that can host students for an internship.

Project Type:	New Development	(New Development, Maintenance)
Problem Domain:	Education	(Finance, Healthcare, Insurance, etc.)
Initial Familiarity with problem domain:	4	(1-5 where 5 = Very Familiar)
Implementation Technologies:	HTML, CSS, Bootstrap, Datatables, PHP, MySQL, Jquery, Web Standards and Protocols.	
Initial Familiarity with implementation technologies:	3	(1-5 where 5 = Very Familiar)

Start Date:	01/01/2020
End Date:	18/05/2020
Duration (months):	4,50

Effort Distribution

Requirements	60
Design	45
Coding & Unit Testing	400
System Test	104
User Doc and Training	50
Project Management & Progress Reporting	40
Education	72
Other	60
Total Effort (hours):	**831**

Staff	Hours		Hourly Rate		
Project Manager	40	*	$125,00	=	$5.000,00
Requirements Analyst	98	*	$100,00	=	$9.800,00
Architect	40	*	$150,00	=	$6.000,00
Programmer	520	*	$95,00	=	$49.400,00
Test Engineer	133	*	$75,00	=	$9.975,00
Total:	831				$80.175,00

(Total staff hours should equal total effort above.)

Cost
Labor	$80.175,00
Equipment	$0,00
Travel	#RIF!
Other	#RIF!
Total Project Cost:	#RIF!

Size
SLOC	2500	(See Instructions for counting standards)
Test Cases	59	

Productivity
SLOC/Hour	3,01
Cost/SLOC	#RIF!

Development Defects
Critical	5
Serious	15
Moderate	9
Trivial	18
Total:	47

Production Defects (During 1st year after release.)
Critical	1
Serious	0
Moderate	4
Trivial	6
Total:	11

Defect Density:	23	(Development and production defects per KLOC.)
Development Efficiency:	81%	

Graphs

Effort Distribution

Chart showing Hours on the vertical axis (0 to 450) versus effort categories on the horizontal axis:
- Requirements: ~60
- Design: ~45
- Coding & Unit Testing: ~400
- System Test: ~105
- User Doc and Training: ~50
- Project Management & Progress Reporting: ~40
- Education: ~70
- Other: ~60
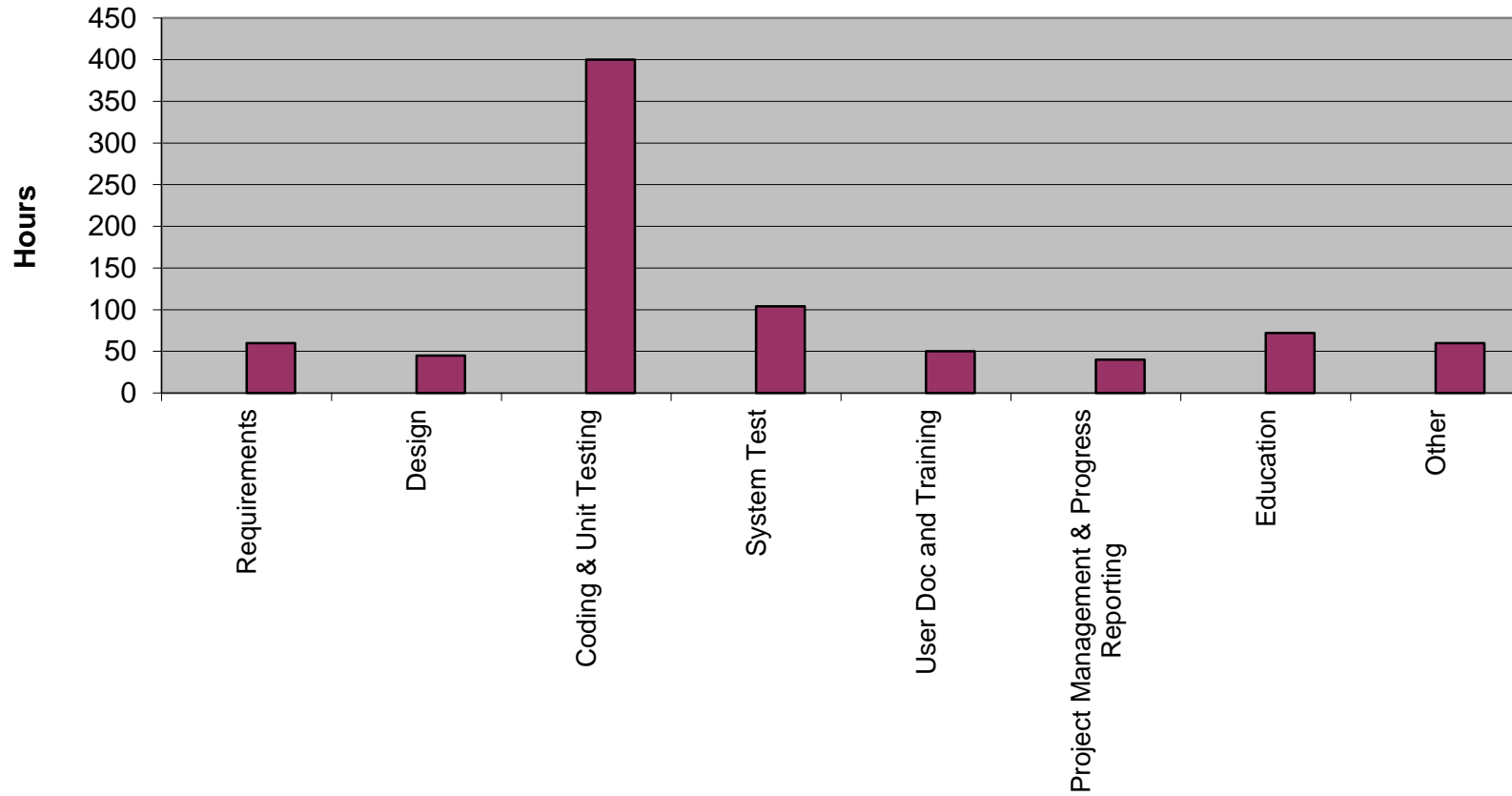
Defects Injected by Life Cycle Activity

Requirements	34
Design	4
Coding	35

Defects Detected by Testing Activity

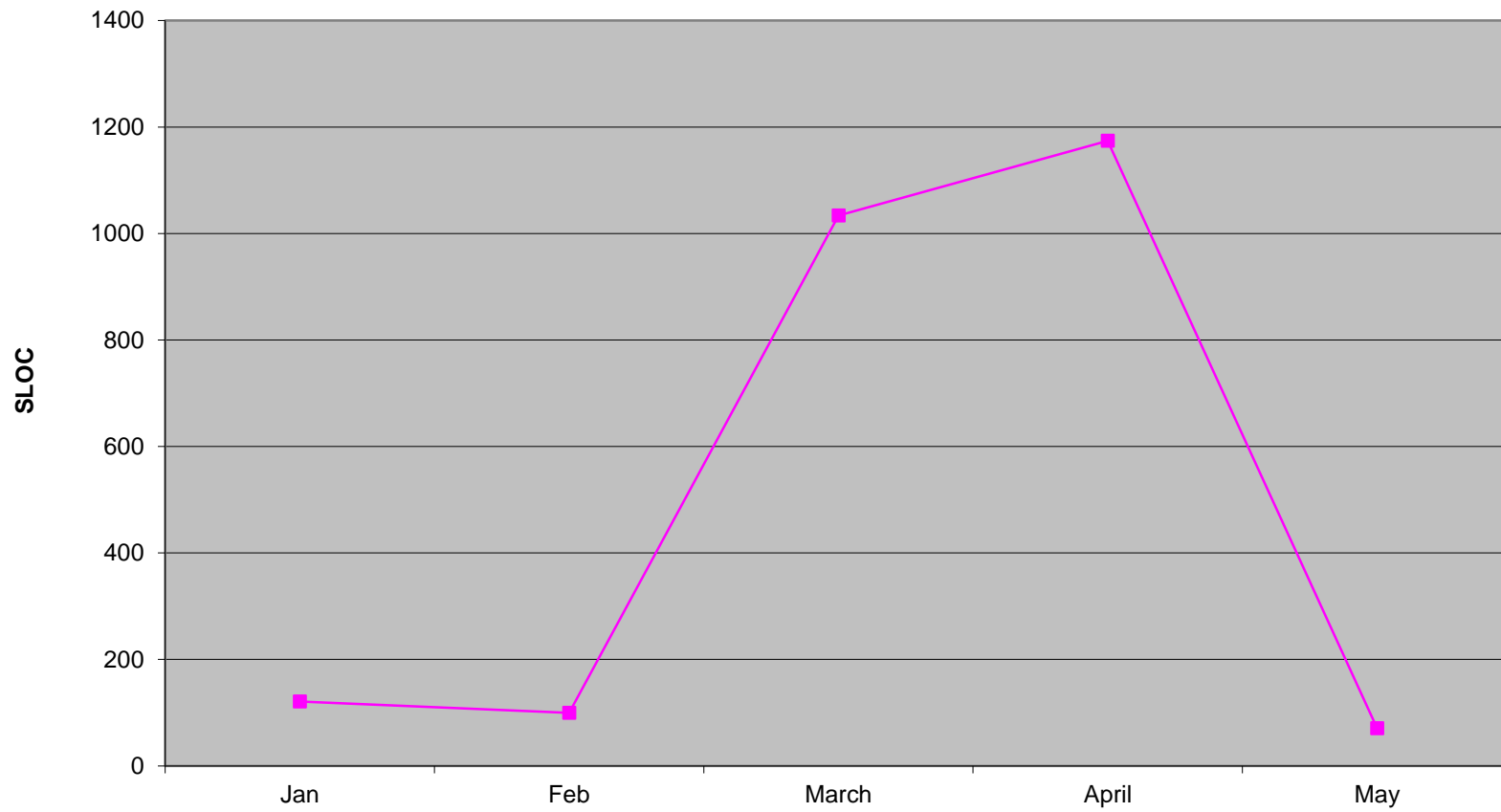|	Requirements Review	Design Review	Code Inspection	Unit Tesing	System Testing	Acceptance Testing	First Year of Production
Requirements	12	1	3	1	7	2	8
Design	N/A	4	2		1	1	0
Coding	N/A	N/A	9	8	6	1	6

	Jan	Feb	March	April	May	Totals
Staff Hours	120	80	265	276	90	831
SLOC Integrated	121	100	1034	1174	71	2500
Defects Detected	4	9	21	19	5	58

Staffing Profile
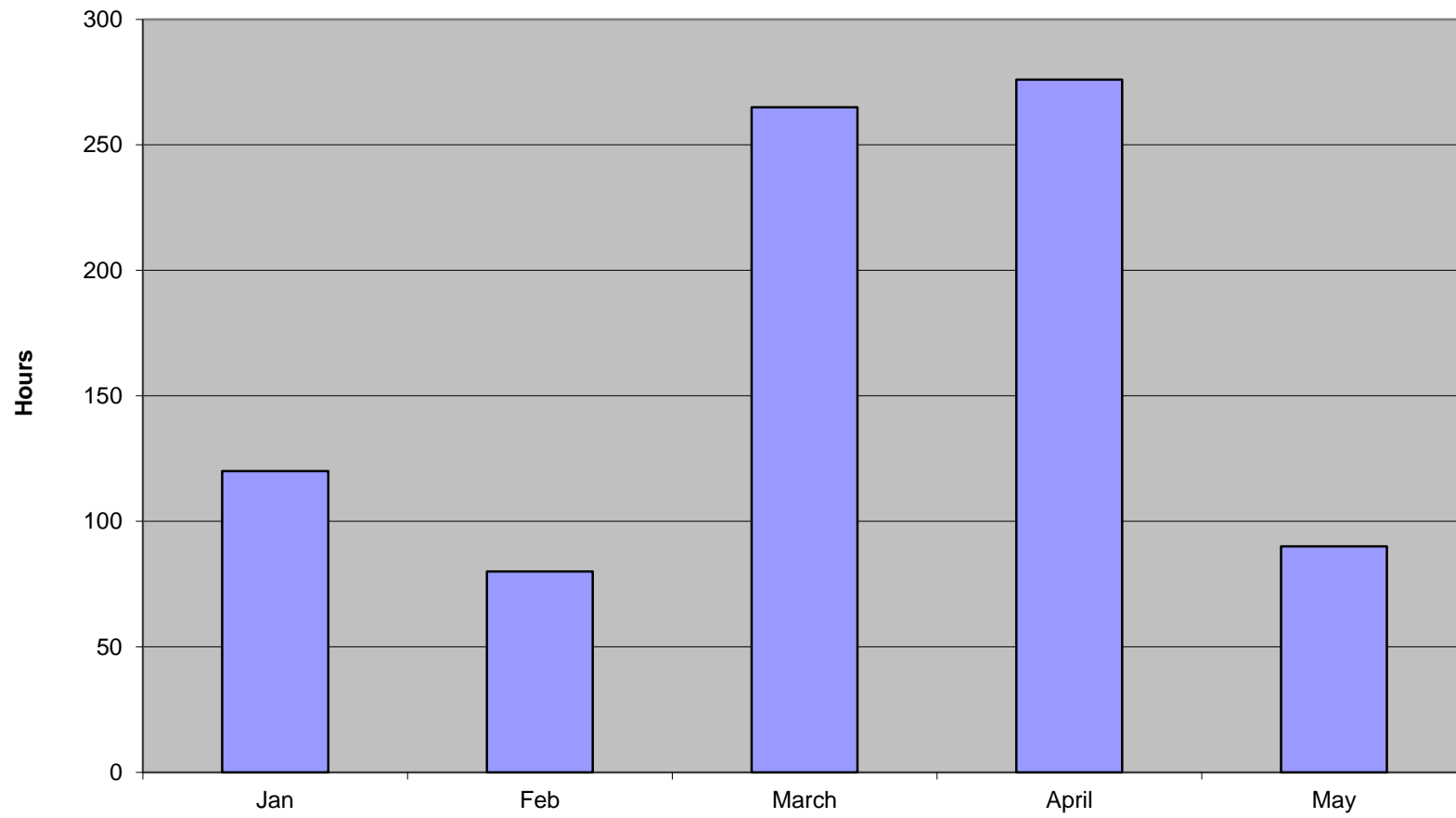
SLOC Integrated

Defects Detected

Defects

| | Jan | Feb | March | April | May |