RGPV WING)	вн	(DIPL OPAL	ОМА	OBE CURRIC	CULUM FOR	THE	FORMA	T-3	Sheet No. 1/5
Branch	Inf	ormatio	n Tec	hnology		Sen	nester	VI	
Course Code				Course Name	Software Tes	sting		ı	
Course O	utc	ome -	Illust its le	trate basics of S	Software Test	ing typ	oes and	Tead h Hrs	Mark s
Learning 1	Ou	itcome	Expla	ain Software tes	ting fundame	ntals		10	15
Contents			• So	oftware Testing: ✓ Introduction ✓ Objectives C ✓ Testing Prince oftware Testing Li model of Testing ✓ Verification uality Control Vs	Of Testing ciples fe Cycle Vs Validation	ıce			
Method Assessme	ent	of	Exteri	nal: End semeste	r theory exami	nation (Pen pape	er test).
Learning 2	Ou	itcome	Expla	ain Software Tes	sting Process			6	10
Contents			• T	ypes and Level of esting Vs Debugg oftware Build Pro est Maturity Mode	ing cess	ing			
Method Assessme	ent	of	Interr	nal: Mid semester	theory examir	ation (Pen pape	r test)	
Learning 3	Ou	itcome	Class	sify Software Te	sting			10	15
Contents			• B	White box – Path , Slack Box – ✓ Functional (✓ Non Function Portability, E Grey Box Other Testing (St GUI, API, Device T	Unit, Integrational (Load, Se Efficiency) ress, Alpha, E	n, Syst curity, seta, M	Usability utation,	Monk	ey, Agile,

Method Assessment	of Exter	rnal: End semeste	r theory examina	tion (Pen pape	er test).
Learning Outco	me Expl	ain Software Te	sting Technique	s		8	10
Contents	• B	White Box Testing Data Flow Testing Control Flow Testing Branch Coverage Statement Coverage Decision Coverage Lack box Testing Decision Table All-pair Testing Cause-Effect Testing State Transition Use Case Liver Box Testing Testing Matrix Testing Regression Testing Regression Testing	esting ge Testing erage Testing age Testing Technique esting	tion (Pen nane	er test)
Assessment		1		Ī			-
RGPV (I WING) BHOPA	OIPLOMA AL	OBE CURRI COURSE	CULUM FOR TI	HE	FORMA	T-3	Sheet No. 2/5
Branch Inform	nation Ted	chnology		Sem	ester	VI	
Course Code		Course Name	Software Testi	ng			
Course Outcom 2	e - Cons	struct Test Docu	ments			Tead h Hrs	Mark s
Learning Outco		ain Testing elopment	documentation	for	case	5	5
Contents	,	Testing Document Introduction Types of Test of Benefit and Dracest scenario	document				
Method Assessment	of Exter	rnal: End semeste	r theory examina	tion (Pen pape	er test).

Learning Outcome 6	Explain Test case and its o	lesign techniques	6	5			
Contents	 Test case Test case design techniq ✓ Error Guessing ✓ Equivalence Partition ✓ Boundary Value Analy 	ng					
Method of Assessment	External: End semester theorem	y examination (Pen pap	er test).				
Learning Outcome 7	Develop test case docume	nt for your project	6	10			
Contents	 Prepare test scenarios Prepare test data Write test cases for Func Write Unit test, Integrati 	on test and User Accept		-			
Method of Assessment	External: Laboratory observa	tion and viva voce.					
RGPV (DIPL WING) BHOPAL	OMA OBE CURRICULUI COURSE	I FOR THE FORM		Sheet lo. 3/5			
Branch Information	n Technology	VI					
Course Code	Course Softw Name	vare Testing					
Course Outcome - 3	Plan test and its deliverab	les	Teac h Hrs	Mark s			
Learning Outcome 8	Explain Test plan and its o	omponents	7	10			
Test Plan ✓ Types ✓ Component/Attributes ✓ Writing guidelines ✓ Importance							
Method of Assessment	External: End semester theorem	y examination (Pen pap	er test).				
Learning Outcome 9	Plan Testing with its comp	onent	6	10			

Contents		coveri	Test plan for yo ing all basic test dology, Assump	plan comp	onent ,	/ attr	ibute (O	bjectiv	•		
Method Assessme	of ent	Exter	nal: Laboratory o	bservation	n and vi	va vo	oce.				
Learning 10	Outcome	Apply	execution o	of test c	ase &	ı ma	ark its	6	10		
Contents			erform Test exec repare Traceabili		reportir	ng			•		
Method Assessme	of ent	Interr	al: Lab Observa	tion/Assigr	nment						
RGPV WING)	(DIPL BHOPAL	OMA	OBE CURRI COURSE	CULUM F	OR TI	ΗE	FORMA	AT-3	Sheet No. 4/5		
Branch	Information	on Tec	hnology			Sen	nester	VI			
Course Code			Course Software Testing Name								
Course C	Outcome -	Make	use of availab	le test ma	anagen	nent	tool	Tead h Hrs	Mark s		
Learning 11	Outcome	Expla	in Software Bu	ıg				7	10		
Contents		Softw ✓ ✓	are bug Introduction Terminology - Bug Life Cycle Bug Reporting				ue, Mista	ke, Fa	ilure		
Method Assessme	of ent	Exteri	nal: End Semest	er theory e	examina	tion	(Pen pap	er test	Ξ).		
Learning 12	Outcome		Outline Test management tool and bug 9 10 racking tool								
Contents		TeVeCa	est Data Mining est Reporting ersion Control ese study on <i>a</i> entre ese study on <i>ava</i>								

Method Assessme	of ent	Intern	nal: Mid semester	theory examinat	ion (Pe	en pape	r test)				
Learning 13	Outcome	Deve	lop and track te	est case			6	10			
Contents		_	•	ole test case base a ble bug tracking		oftware	requir	ement of			
Method Assessme	of	Exterr	nal: Laboratory o	bservation and vi	va voc	e.					
RGPV WING)	(DIPL BHOPAL	ОМА	OBE CURRI COURSE	FORMA	т-3	Sheet No. 5/5					
Branch	Informatio	n Tecl	hnology	ester	VI						
Course Code			Course Software Testing Name								
Course O	utcome -	Make testir		able tool for	auton	nation	Teac h Hrs	Mark s			
Learning 14	Outcome	Outline Automation testing tool 7 10									
Contents		• W	hy and when to a	g Vs Manual Testin nutomate nilable automatio		ing tool	like S	Selenium/			
Method Assessme		Intern	nal: Mid semester	theory examinat	tion (Pe	en pape	r test)				
Learning 15	Outcome	Construct automated test script 6 10									
Contents		applic	Write automated test cases script in java/python/php to test web application using recent available automation testing tool framework like Selenium								
Method Assessme	of ent	Intern	nal: Lab Observat	ion/Assignment							

NOTE: *"available" means latest tools / technology, since tools name mentioned as per current industry trends that may get change over course of time hence faculties are not restricted to teach or follow tools as mentioned, faculties can have their option with change of tool technology.

REFERENCE BOOKS:

S No	Title & Publication	Author
1	Software Engineering – A Practitioner's Approach	Roger Pressman
2	Software Testing: A Practical Approach PHI Learning	Abhishek Desai
3	Software Testing - A Craftsman's Approach	Paul C Jorgenson
4	https://www.javatpoint.com	Web resource
5	https://www.bugzilla.org	Web resource
6	https://www.atlassian.com/software/jira	Web resource
7	https://www.selenium.dev	Web resource
8	https://www.cypress.io	Web resource
9	E-books/E-tools/Relevant software to be used as recommended by AICTE/RGPV	

R	GPV (Dipl	oma Wing) Bhopal	SCHEME FOR LEA		Br	anch	Code	C	ourse C	ode	CO Code	LO Code	Forn	nat No. 4
	` •	3 / 1	OUTCOME		I	0	4				1	1		
Course	e Name	Software Testing											·	
CO De	escription	Illustrate basics of S	oftware Testing types and	its level										
LO De	scription	Explain Software tes	ting fundamentals											
			SC	CHEME O	F STU	DY								
S. No.		Learning Conte		Feaching – Learning Method	I		otion of rocess	T-L	Teac h Hrs.	Pract. /Tut Hrs.		Rs Requi	ired	Remarks
1	• Softw • V mo	rare Testing: Introduction Objectives Of Testing Testing Principles rare Testing Life Cycle del of Testing Verification Vs Validat ty Control Vs Quality Ass	class teac dem quiz assi tutor	gnments,	th pr str cc qu str	e conte ovide udents onduct uiz/tuto	will expents and handout. Teacher assignmental to repractice ge.	s to or will nents/ nake	10	NIL	boar	douts, ch rd, PPT, t k, charts, co film.	text	
			SCHE	EME OF A	SSESS	MEN	Γ							
S. No.	Meth	od of Assessment	Description of Assessn	nent		imum arks			Resour	ces Requ	iired			xternal / nternal
1	Enc	semester theory examination	Pen Paper Test			15		Que	estion pa	per + Ra	ting sca	le	E	External

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY) NIL

RG	PV (Diplo	ma Wing) Bhopal	SCHEN	ME FOR LEARN	ING	Bra	nch C	ode	Co	ourse Co	de	CO Code	LO Code	Format No. 4
	- · (F	· · · · · · · · · · · · · · · · ·		OUTCOME		I	0	4				1	2	
Course 1	Name	Software Testing												
CO Des	cription	Illustrate basics of	Software Tes	sting types and its	level									
LO Desc	cription	Explain Software	Testing Proce	ss										
		<u>'</u>		SCHI	EME OF	FSTUD	Y							
S. No.		Learning Conte	ıt	Teaching – Learning Method		iption o Process		Teac Hrs		Pract. /Tut Hrs.]	LRs Req	uired	Remarks
1	TestinSoftw	s and Level of Softwa ng Vs Debugging vare Build Process Maturity Model	re Testing	Interactive classroom teaching, demonstratio n, quiz, assignments, tutorial	Teache the con provide student will con assignm quiz/tut student their kr	tents are handous. Teach nduct ments/torial to spractions	uts to her make	6		NIL	boar	douts, ch rd, PPT, t k, charts,	ext	
				SCHEMI	E OF AS	SSESSN	IENT							
S. No.	Metho	d of Assessment	Descript	ion of Assessmen	it	Maxi Ma	-			Resource	es Req	quired		External / Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

10

Quiz / Pen Paper / Short Answer

Test Paper + rating scale

Internal

Mid semester theory

examination (Pen paper test).

1

RG	PV (Diplo	ma Wing) Bhopal		E FOR LEARN OUTCOME	NING		anch C		Co	ourse Co	de	CO Code	LO Code	Format No. 4
Course l	Name	Software Testing				I	0	4				1	3	
CO Desc		Illustrate basics of	Software Testi	ng types and its	level									
LO Deso		Classify Software		ing types and its	, icvci									
LO Desc	cription	Classify Software	resung	COLU	EME O	E CELI	DX/							
					EME O	FSIU	DY							
S. No.		Learning Conter	nt	Teaching — Learning Method		ription Proces	of T-L s	Tea Hr		Pract. /Tut Hrs.]	LRs Req	uired	Remarks
1	 Black ✓ Fu ✓ No E Grey Other Mutan Device 	e box – Path, Loop, Cox Box – unctional (Unit, Integration Functional (Lousability, Performance of Friciency) Box r Testing (Stress, Lion, Monkey, Agil ce Testing – Mobile ssibility)	Condition Condition Interactive classroom the contents and provide handouts to students. Teacher will explain teaching, demonstration, students. Teacher will conduct assignments, tutorial Alpha, Beta, ile, GUI, API, Interactive classroom the contents and provide handouts to students. Teacher will conduct assignments/ quiz/tutorial to mastudents practice their knowledge.			nd outs to cher o make	10	0	NIL	boar	douts, ch rd, PPT, t k, charts,	text		
				SCHEM	E OF A	SSESS	MENT							
S. No.	Metho	od of Assessment	Descriptio	n of Assessmen	nt		imum arks]	Resourc	es Rec	quired		External / Internal
1		semester theory	Pen	Paper Test			15		Ques	stion pap	er + R	ating sca	le	External
			ADDITIONAL	INSTRUCTIO	NS FOI	R THE	HOD/	FACU.	LTY (IF ANY)			<u> </u>
					NIL				`					

RG	SPV (Diplo	ma Wing) Bhopal	SCHEME FOR LEAR	NING Br	Branch Co		(Course Code	CO Code	LO Code	Format No. 4
	` 1	<i>3</i> / 1	OUTCOME	I	0	4			1	4	
Course	Name	Software Testing						<u> </u>	<u> </u>		
CO Des	cription	Illustrate basics of Soft	ware Testing types and it	ts level							
LO Des	cription	Explain Software Testi	ng Techniques								
			SCH	IEME OF STU	ΟY						
S. No.		Learning Content	Teaching – Learning Method	Description o Process		Tea Hr		Pract. /Tu Hrs.	t LRs R	equired	Remarks
1	✓ Da ✓ Co ✓ Bi ✓ St ✓ Do • Black	Box Testing Technique ata Flow Testing control Flow Testing canch Coverage Testing atement Coverage Testing ecision Coverage Testing box Testing Technique ecision Table	Interactive classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will exthe contents and provide handor students. Teach will conduct assignments/quiz/tutorial to students practitheir knowledge	d ats to ner make			NIL			

their knowledge.

✓ All-pair Testing
✓ Cause-Effect Testing

Grey Box Testing Technique
 ✓ Matrix Testing
 ✓ Regression Testing

✓ State Transition

✓ Use Case

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	End semester theory examination	Pen Paper Test	10	Question paper + rating scale	External

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

RG	SPV (Diplom	a Wing) Bhopal	SCHEME FOI		Bra	nch Co	de Co	urse Code	CO Code	LO Code	Format No. 4
	\ 1	8/ 1	OUTO	COME	I	0	4		2	5	
Course	Name	Software Testing		'			'	'	'		
CO Des	scription	Construct Test Docu	iments								
LO Des	scription	Explain Testing docu	umentation for cas	se development							
				SCHEME OF	STUD	Y					
S. No.	Lea	arning Content	Teaching – Learning Method	Description of T Process	S-L	Teach Hrs.	Pract. /Tut Hrs.	LRs Re	quired		Remarks
1	✓ Intro	Documentation oduction less of Test document less and Drawback	Interactive classroom teaching, demonstration,	Teacher will explain the contents and provide handouts students. Teacher conduct assignments	to will	5	NIL	Handouts, c PPT, text be video film.		1	

conduct assignments/

quiz/tutorial to make

knowledge.

students practice their

quiz,

tutorial

assignments,

• Test scenario

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	End semester theory examination	Pen Paper Test	5	Question paper + rating scale	External

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

RG	PV (Dinlon	na Wing) Bhopal	SCHEME FOR LEAR	NING	Br	anch (Code	C	ourse Co	de	CO Code	LO Code	Format No. 4
110	i (Dipion	in (, ing) bhopm	OUTCOME		I	0	4				2	6	
Course 1	Name	Software Testing									'		
CO Des	cription	Construct Test Doc	uments										
LO Deso	cription	Explain Test case an	nd its design techniques										
			SCH	EME O	F STU	DY							
S. No.		Learning Content	Teaching – Learning Method	Desc	ription Proce			Teach Hrs.	Prac /Tut H		LRs Ro	equired	Remarks
1	 Test case Test case design technique ✓ Error Guessing ✓ Equivalence Partitioning ✓ Boundary Value Analysis 		quiz,	Teacher will explain the contents and provide handouts to students. Teacher will conduct assignments/ quiz/tutorial to make students practice their knowledge.				6	NIL		Handouts, chalk board, PPT, text book, charts, video film.		
			SCHEM	E OF A	SSESS	MENT	7				ı		
S. No.	Method	l of Assessment	Description of Assessme	nt		imum arks			Resourc	es Ro	equired		External / Internal
1		emester theory	Pen Paper Test			5		Que	estion pap	er+	rating scal	e	External
		A	DDITIONAL INSTRUCTION	NS FO	R THE	HOD	' FAC	CULTY ((IF ANY))			

RG	SPV (Diplo	ma Wing) Bhopal		FOR LEARNING	В	ranch (Code	Co	ourse Code		CO Code	LO Code	Format No. 4
	- (- -p		Ot	JTCOME	I	0	4				2	7	
Course	Name	Software Testing											
CO Des	cription	Construct Test Docu	ments										
LO Des	Description Develop test case document for y			r project									
				SCHEME OF	STU	JDY							
S. No.		Learning Content		Teaching –Learning Method	g		ption of Process	T-L	Teac Hrs		Pract. /Tut Hrs.	LRs Requi	Remar
1	Prepa	are test scenarios		Interactive lab	Т	eacher	will		NII	_	6	Handou	its,
	• Prepa	re test data		classroom teaching,	d	emonst	rate majo	or				chalk	
		e test cases for Functiona	al testing, Non-	demonstration, quiz,		•	ents insid	le the				board,	
	funct	ional testing		assignments,	12	ıb to stı	idents,					PPT, te	Χl

students will practice,

teacher will conduct remedial and tutorials.

provide quiz,

assignment etc.,

book,

charts,

video film.

tutorial

functional testing

Acceptance Test

Write Unit test, Integration test and User

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Laboratory test by observation	Student write manual test case for given problem/project / Lab Observation Viva Voce	10	Observation schedule/check-list /rating scales /rubrics	External

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

Faculties should promote student to write manual test cases in excel sheet for their project before coding on the basis of software requirement document / plan

RG	SPV (Diplo)	ma Wing) Bhopal		FOR LEARNING	Br	anch (Code	Course	e Code	CO Code	LO Code	Format No. 4
	(= - F	g / ·F ·	O	OUTCOME	Ι	0	4			3	8	
Course	Name	Software Testing					<u> </u>	·	· · · · · · · · · · · · · · · · · · ·			
O Des	scription	Plan test and its de	liverables									
O Des	scription	Explain Test plan a	and its compone	ents								
				SCHEME (OF STU	DY						
S. No.		Learning Conter	nt	Teaching — Learning Method	Desc	ription Proce	of T-L	Teach Hrs.	Pract. /Tut Hrs	LR:	s Require	ed Remark
1 Test Plan: ✓ Types ✓ Component/Attributes ✓ Writing guidelines ✓ Importance			Interactive classroom teaching, demonstration, quiz, assignments, tutorial	the con provid studen conduc quiz/tu	ntents a e hando ts. Teac et assig torial t ts pract		7	7 NIL		douts, cha d, PPT, te c, charts, o film.		
				SCHEME OF A	ASSESS	MENT	Γ					
S. No.	Metho	d of Assessment	Description	n of Assessment	1	imum arks		Reso	ources Requ	iired		External / Internal
1		semester theory xamination	Pen I	Paper Test		10		Question	n paper + rat	ing scal	e	External

RGPV (Diplo	ma Wing) Bhopal	SCHEME FOR LEARNING	В	ranch	Code	C	ourse C	ode	Code	Code	Format No. 4
	87 1	OUTCOME	I	0	4				3	9	
Course Name	Software Testing										
CO Description	Plan test and its deli	verables									
LO Description	Plan Testing with its	component									
	'	COHEME O	E CTI	IDV							

SCHEME OF STUDY

S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1	Write Test plan for your project by using sample test plan template covering all basic test plan component / attribute (Objective, Scope, Methodology, Assumption, Risk, Role, Schedule etc.)	classroom teaching,	Teacher will demonstrate major components inside the lab to students, students will practice, provide quiz, assignment etc., teacher will conduct remedial and tutorials.	NIL	6	Handouts, chalk board, PPT, text book, charts, video film.	

SCHEME OF ASSESSMENT

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Laboratory test by observation	Test plan document prepared for project work/ Lab Observation Viva Voce	10	Observation schedule/check-list /rating scales /rubrics	External

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

Detailed Test plan document on the basis of software requirement specification with coverage of all attributes for project can be checked by faculties

RG	PV (Dinlo	ma Wing) Bhopal	S	CHEME FOR LE	–	Bra	nch (Code	Course Co	Δh	CO Code	LO Code	Format No. 4
110	- (21pio	, ,g <i>)</i> 2 pu		OUTCOMI	\mathbf{E}	I	0	4			3	10	2 07 22200 1 (0)
Course	Name	Software Testing						<u> </u>					
CO Des	cription	Plan test and its o	leliverab	les									
LO Des	cription	Apply execution of	of test cas	se & mark its cove	rage								
				S	CHEME O	F STUD	Y						
S. No.		Learning Content		Teaching – Learning Method	Descript Pro	ion of T	-L	Teach Hrs.	Pract. /Tut Hrs.	LRs	Requi	ired	Remarks
1	Perform Test execution and reporting Prepare Traceability Matrix			Interactive lab classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will demonstrate major components inside the lab to students, students will practice, provide quiz, assignment etc., teacher will conduct remedial and tutorials.			NIL	6	Handou board, I book, c Compu	PPT, to harts,	ext	
				SCH	EME OF A	SSESSN	1ENT	Γ					
S. No.	Metho	od of Assessment	Γ	Description of Asse	ssment		axim Mark	-	Resour	ces Requ	iired		External / Internal
1	Lab Obse	ervation/Assignment	Test cas	e result after compl	etion of		10		Observation	schedule	/check	x-list	Internal

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

coding of project / Lab Observation

10

/rating scales /rubrics

Internal

Lab Observation/Assignment

1

Faculties can check out the result of testing of software after/during completion of coding and trace error

RG	PV (Diplo	ma Wing) Bhopal		R LEARNING	Br	anch (Code	Co	ourse Coo	de CO Code		LO Code	Format No. 4
	\ 1	8/ 1	OUT	COME	I	0	4				4	11	
Course	Name	Software Testing											
CO Des	cription	Make use of available	e test managemen	t tool									
LO Des	cription	Explain Software bu	g										
				SCHEME OF	STU	DY							
S. No.		Learning Conte	nt	Teaching – Learning Method		•	ption of rocess	T-L	Teach Hrs.	Pra /Tut		LRs Require	ed Remark
1	Software	bug		Interactive	Te	Teacher will explain		7]		IL :	Handouts,		
	✓ In	troduction		classroom teaching	-		nts and					chalk boar	rd,
	✓ Te	erminology - Defect. F	Bug. Error. Issue.	demonstration,			nandout					PPT, text	
	✓ Terminology - Defect, Bug, Error, Issue, Mistake, Failure		quiz, assignments,	sti	udents.	Teache	r will			1	book, chai	rts,	

✓ Bug Life Cycle

✓ Bug Reporting - Severity and Priority

conduct assignments/ quiz/tutorial to make

students practice their

knowledge.

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	End semester theory examination	Pen Paper Test	10	Question paper + rating scale	External

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

RG	SPV (Diplo	ma Wing) Bhopal	SCHEME FOR L		Br	anch C	Code	Cou	rse Code	CO Code	LO Code	Format No. 4
	. (1	8) I	OUTCOM	1E	I	0	4			4	12	
Course	Name	Software Testing							<u> </u>			
CO Des	scription	Make use of availal	ble test management too	l								
LO Des	cription	Outline Test manag	gement tool and bug tra	cking tool								
				SCHEME O	F STU	DY						
S. No.		Learning Co	ntent	Teaching Learning M	,	Desc	ription Proce	n of T-L	Teach Hrs.	Pract. /Tut Hrs.	LR Requi	Remark
1	 Test Data Mining Test Reporting Version Control Case study on <i>available</i> Test management tool like Quality Centre Case study on <i>available</i> bug tracking tool like bugzilla / Jira 				Interactive Teacher classroom the conteaching, provided demonstration, quiz, assignments, tutorial quiz/tu		ontents and hand hand hand hand hand hand hand	explain and louts to acher will gnments/ to make ctice their		NIL	Handou chalk board, PPT, te book, charts, video f	xt
	1		SC	HEME OF AS	SSESS	MENT	1			1		
S. No.	Metho	od of Assessment	Description of Asse	ssment		imum arks		R	esources I	Required		External /

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY) NIL

Pen Paper / Quiz / Short Answer

Quiz/ Short Answer type

questions

1

Marks

10

Pen paper test + rating scale

Internal

Internal

RGPV (Diploma Wing) Bhopal Course Name Software Testing			SCHEME FOR LEAR	NING	Branch Code			Course Code		LO Code	Format No. 4				
			OUTCOME	I	0	4				13					
				'			'		'		'				
CO Description Ma		Make use of available	Make use of available test management tool												
LO Des	scription	Develop and track tes	t case												
			SCH	EME OF S	ΓUDY										
S. No.		Learning Content	Teaching – Learning Method		ion of T-L Teach Pract. /Tut ocess Hrs. Hrs.				LRs Re	Remarks					
1	on softwa	nd track sample test case are requirement of proje <i>ilable</i> bug tracking tool		Teacher wi demonstrat component the lab to si	e major s inside	NIL	6		Handouts, board, PP' book, char video film	Γ, text rts,					

practice, provide quiz, assignment etc., teacher will conduct remedial and tutorials.

tutorial

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal	
1	Laboratory observation and viva voce.	Student able to use bug tracking tool and asked queries related to it / Lab Observation Viva Voce	10	Observation schedule/check-list /rating scales /rubrics	External	

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

Faculties use available any bug tracking tools to demonstrate test case design writing and tracking (like Jira / bugzilla / Quality Centre)

RGPV (Diploma Wing) Bhopal			SCHEME FOR L				ch Code Course		rse C	ode	CO Code	LO Code	Format No. 4
			OUTCOME			0	4				5	14	
Course	Name	Software Testing											
CO Des	cription	Make use of availa	able tool for automation t	testing									
LO Des	cription	Outline Automatic	on testing tool										
			_	SCHEME O	F STU	DY							
S. No.	Lear	ning Content	Teaching –Learning Method	Description of T-L Process			Геасh Hrs.	Pract. /Tut Hrs. LRs Require		d	Remarks		
1	Manual Testing		teaching, demonstration, quiz, assignments, tutorial the conduction of the conductio		er will explain ntents and e handouts to ts. Teacher will et assignments/ utorial to make ts practice their edge.		7	NIL		Handouts, chalk board, PPT, text book, charts, video film.			
			SC	HEME OF A	SSESS	MENT	Γ		'				
S. No.	Method	d of Assessment	Description of Asse	essment	Maximum Marks			Resources Required				External / Internal	
1	_	nort Answer type questions	Pen Paper / Quiz / Short A	Answer	10			Pen paper test +			+ rating scale		Internal
	<u> </u>		ADDITIONAL INSTRU	CTIONS FO	R THE	HOD	/ FACU	JLTY (IF	ANY	Y)			1
				NII						*			

RGPV (Diploma Wing) Bhopal				E FOR LEARNING		Branch Code		C	ourse Code		CO Code	LO Code	Format No. 4			
- · (F · · · · · g / · · F · ·				OUTCOME			0	4				5	15	Tormat ivo		
Course	Name	Software Testing	3													
CO Description Make use of		Make use of avai	ilable	tool for automati	on testing											
LO Des	cription	Construct autom	ruct automated test script													
					SCHEME O	F STU	DY									
S. No.	. No. Learning Content			hing –Learning Method	Description o	Description of T-L Process				each Pract. /Tut		LRs Required		Remarks		
I	Write automated test cases script in java/python/php to test web application using recent <i>available</i> automation testing tool framework like Selenium		classr	ctive lab oom teaching, nstration, quiz, nments, al	Teacher will der components insi students, studen provide quiz, as teacher will con and tutorials.	lab to bractic nt etc.,	e,	NIL 6		Handouts, chalk board, PPT, text book, charts, video film.						
		'			SCHEME OF A	SSESS	MEN	Γ								
S. No.	Method of Assessment Description of A			Assessment Maximum Marks				Resources Required					External / Internal			
1	Lab Observation/Assignment Student able to use Testing concept and queries related to it		ting concept and it	s tool and asked 10			C	Observation schedule/check-list /rating scales /rubrics					Internal			
			ADE	DITIONAL INST	RUCTIONS FO	R THE	HOD	/ FACU	JLTY ((IF ANY	Y)					
		Faculti	es den	nonstrate the usage	e of available auto	mation	testing	g tools (like Se	lenium)	to stude	ent				