



# GOVERNMENT POLYTECHNIC PUNE

University Road, Pune 411 016

## Detailed Path Structure of Path GQ2

Department: **DIPLOMA - INFORMATION TECHNOLOGY**

Course Code	Course Title	Prerequisites	Teaching Fields				Exam Fields					
			L	P	T	C	PA	TH	TW	OR	PR	TOTAL
<b>LEVEL - I Foundation Level</b>												
<b>(All Compulsory)</b>												
<a href="#">HU161</a>	ENGLISH	-	2	2	0	4	20	80	25	0	0	125
<a href="#">SC161</a>	APPLIED MATHEMATICS-I	-	3	0	1	4	20	80	0	0	0	100
<a href="#">SC162</a>	APPLIED MATHEMATICS-II	-	3	0	1	4	20	80	0	0	0	100
<a href="#">SC163</a>	APPLIED PHYSICS	-	3	2	0	5	20	80	0	0	50	150
<a href="#">SC165</a>	APPLIED CHEMISTRY	-	2	2	0	4	20	80	0	0	50	150
<a href="#">HU162</a>	COMMUNICATION SKILLS	-	2	2	0	4	20	80	25	0	0	125
<b>Total:</b>			<b>15</b>	<b>8</b>	<b>2</b>	<b>25</b>	<b>120</b>	<b>480</b>	<b>50</b>	<b>0</b>	<b>100</b>	<b>750</b>

## **LEVEL - II CORE TECHNOLOGY COURSES**

<b>(All Compulsory)</b>												
<a href="#">ME261</a>	GRAPHIC SKILLS AND AUTOCAD	-	2	4	0	6	0	0	50	0	50	100
<a href="#">CM263</a>	PROGRAMMING IN C	-	4	2	0	6	20	80	25	0	50	175
<a href="#">CM261</a>	BASICS OF COMPUTER SYSTEMS	-	3	2	0	5	0	0	25	0	50	75
<a href="#">WS263</a>	WORKSHOP PRACTICE	-	0	4	0	4	0	0	50	0	0	50
<a href="#">ET262</a>	ELEMENTS OF ELECTRONICS ENGINEERING	-	3	2	0	5	20	80	25	0	0	125
<a href="#">EE262</a>	ELECTRICAL TECHNOLOGY	-	3	2	0	5	20	80	25	25	0	150
<b>Total:</b>			<b>15</b>	<b>16</b>	<b>0</b>	<b>31</b>	<b>60</b>	<b>240</b>	<b>200</b>	<b>25</b>	<b>150</b>	<b>675</b>

## **LEVEL - III AUXILIARY COURSES**

<b>(Any Two )</b>												
<a href="#">AU361</a>	ENVIRONMENTAL SCIENCE	-	2	1	0	3	20	80	0	0	0	100
<a href="#">AU362</a>	COMMUNITY DEVELOPMENT@	-	2	1	0	3	20	80	0	0	0	100
<a href="#">AU364</a>	ENGINEERING ECONOMICS	-	2	1	0	3	20	80	0	0	0	100
<a href="#">AU365</a>	INDUSTRIAL PSYCHOLOGY	-	2	1	0	3	20	80	0	0	0	100



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<a href="#">AU363</a>	RENEWABLE AND SUSTAINABLE ENERGY	-	2	1	0	3	20	80	0	0	0	100
<a href="#">SC362</a>	ENGINEERING MATHMATICS III	SC161,SC162	3	0	0	3	20	80	0	0	0	100
<b>Sub Total:</b>			<b>13</b>	<b>5</b>	<b>0</b>	<b>18</b>	<b>120</b>	<b>480</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>

### NON EXAM NON CREDIT COURSES (All Compulsory)

<a href="#">NE376</a>	DEVELOPMENT OF SOFT SKILL-I	-	1	2	0	3	0	0	25	0	0	25
<a href="#">NE377</a>	DEVELOPMENT OF SOFT SKILL-II	-	1	2	0	3	0	0	25	0	0	25
<b>Sub Total:</b>			<b>2</b>	<b>4</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>50</b>
<b>Total:</b>			<b>15</b>	<b>9</b>	<b>0</b>	<b>24</b>	<b>120</b>	<b>480</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>650</b>

### LEVEL - IV BASIC TECHNOLOGY COURSES

#### (All Compulsory)

<a href="#">CM461</a>	OPERATING SYSTEMS	-	4	2	0	6	20	80	25	25	0	150
<a href="#">CM463</a>	COMPUTER GRAPHICS	-	4	2	0	6	20	80	25	0	25	150
<a href="#">CM465</a>	RELATIONAL DATABASE MANAGEMENT SYSTEM	-	4	4	0	8	20	80	25	0	25	150
<a href="#">IT461</a>	COMPUTER NETWORK	-	4	2	0	6	20	80	25	25	0	150
<a href="#">IT462</a>	WEB DESIGNING USING HTML/DHTML	-	2	4	0	6	10	40	25	0	50	125
<a href="#">IT463</a>	DIGITAL TECHNIQUES AND MICROPROCESSOR	-	4	2	0	6	20	80	25	25	0	150
<a href="#">IT464</a>	PROGRAMMING IN .NET TECHNOLOGIES	-	2	4	0	6	10	40	50	0	50	150
<a href="#">IT465</a>	MULTIMEDIA TECHNIQUES	-	2	4	0	6	10	40	50	0	50	150
<b>Total:</b>			<b>26</b>	<b>24</b>	<b>0</b>	<b>50</b>	<b>130</b>	<b>520</b>	<b>250</b>	<b>75</b>	<b>200</b>	<b>1175</b>

### LEVEL - V APPLIED TECHNOLOGY COURSE

#### (All Compulsory)

<a href="#">CM561</a>	PROJECT AND SEMINAR	-	0	8	0	8	50	0	50	50	0	150
<a href="#">CM562</a>	LINUX: OPERATING SYSTEM	-	4	2	0	6	20	80	25	0	50	175
<a href="#">CM563</a>	JAVA PROGRAMMING	-	4	2	0	6	20	80	25	0	50	175



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<a href="#">CM565</a>	OBJECT ORIENTED PROGRAMMING:C++	-	4	2	0	6	20	80	25	0	50	175
<a href="#">CM566</a>	DATA STRUCTURES	CM263	4	2	0	6	20	80	25	0	50	175
<a href="#">CM567</a>	SOFTWARE ENGINEERING	-	4	2	0	6	20	80	25	25	0	150
<a href="#">IT561</a>	NETWORK MANAGEMENT	IT461	2	4	0	6	10	40	50	50	0	150
<b>Total:</b>			<b>22</b>	<b>22</b>	<b>0</b>	<b>44</b>	<b>160</b>	<b>440</b>	<b>225</b>	<b>125</b>	<b>200</b>	<b>1150</b>

## **LEVEL - VI ALLIED (HUMANITY SCIENCE) TECHNOLOGY COURSES**

(Any Two )

<a href="#">MA661</a>	PRINCIPLES OF MANAGEMENT@	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA662</a>	ENTREPRENEURSHIP DEVELOPMENT	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA663</a>	PROJECT MANAGEMENT	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA664</a>	MATERIALS MANAGEMENT	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA665</a>	SUPERVISORY MANAGEMENT	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA666</a>	TOTAL QUALITY MANAGEMENT	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA667</a>	SOFTWARE PROJECT MANAGEMENT	-	3	0	0	3	20	80	0	0	0	100
<a href="#">MA668</a>	MANAGEMENT INFORMATION SYSTEM@	-	3	0	0	3	20	80	0	0	0	100
<b>Total:</b>			<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>160</b>	<b>640</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800</b>

## **LEVEL - VII DIVERSIFIED COURSES**

(Any Three )

<a href="#">CM763</a>	SYSTEMS PROGRAMMING	-	4	2	0	6	20	80	25	25	0	150
<a href="#">CM765</a>	SOFTWARE TESTING	-	2	4	0	6	20	40	50	0	50	160
<a href="#">CM766</a>	WINDOWS PROGRAMMING	-	4	2	0	6	20	80	25	25	0	150
<a href="#">CM761</a>	ADVANCED JAVA PROGRAMMING@	CM563	4	2	0	6	20	80	25	0	25	150
<a href="#">IT761</a>	PROGRAMMING IN PHP	IT462	2	4	0	6	10	40	50	0	50	150
<a href="#">IT762</a>	DATABASE ADMINISTRATION	CM465	4	2	0	6	20	80	25	0	25	150



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<b>Total:</b>			<b>20</b>	<b>16</b>	<b>0</b>	<b>36</b>	<b>110</b>	<b>400</b>	<b>200</b>	<b>50</b>	<b>150</b>	<b>910</b>
<b>Grand Total:</b>			<b>137</b>	<b>95</b>	<b>2</b>	<b>234</b>	<b>860</b>	<b>3200</b>	<b>975</b>	<b>275</b>	<b>800</b>	<b>6110</b>

**The Ratio of Theory to Practical is 52:48**

Abbreviations: **L**:Lecture Credits; **P**:Practical Credits; **C**:Total Credits; **PA**:Progressive Assessment(Test) Marks; **TH**:Theory Marks; **PR**:Practical Marks; **TW**:Term Work Marks; **OR**:Oral Marks; **Tot**:Total Marks; **@**:Compulsory