

## Documentation

### Libraries required:

django-admin --version  
3.2.7

python --version  
Python 3.9.7

Pandas 1.3.3

Mysqclient 2.0.3

Numpy 1.21.2

Pip 21.2.4

Mysql-client 0.0.1

Mysql-connector 2.29

Mysql-connector-python 8.026

Django-import-export 2.6.0

### Commands:

*pip install django-import-export*

*pip install mysqlclient*

*python manage.py migrate*

-> migrate executes those SQL commands in the database file. So after executing migrate all the tables of your installed apps are created in your database file.

*python manage.py makemigrations*

-> makemigrations basically generates the SQL commands for preinstalled apps (which can be viewed in installed apps in settings.py) and your newly created apps' model which you add in installed apps. It does not execute those commands in your database file. So tables are not created after makemigrations

### **Description:**

We have installed the above libraries to run the code. In the code we have imported the required libraries. For the database connection we have installed a Mysql workbench and imported the datasets there. And then we have given the credentials to access the server in the manage.py file. And by using the Mysql connector package we are able to make a connection with the database.

We have designed a template which fetches data from the xml file to the template using Javascript and test.dtd validates the xml file. We have used the “Web Server for Chrome“ app which serves web pages from a local folder over the network, using HTTP. Once you install it, navigate to <http://127.0.0.1:8887> . We have uploaded a sample file which shows what the output template looks like after fetching data from xml.

The outputs that we obtained for:

about/

<div>Home</div> <div>Meeting Logs</div> <div>Submit Course Plan</div> <div>Relaxation Requests</div> <div>Student Profiles</div> <div>Search</div>																								
<div>Interactive Academic Feedback System</div> <div>Courses done by Btech student 'Aarti' in Computer Science</div> <table><tr><th>Sem</th><th>Course Code</th><th>Title</th><th>Credits</th><th>Grade</th></tr><tr><td>1</td><td>ELL 100</td><td>INTRO. TO ELECTRICAL ENGG.</td><td>4.0</td><td>A</td></tr><tr><td>1</td><td>MCP 100</td><td>ENGG. VISUALIZATION &amp; COMM.</td><td>2.0</td><td>A</td></tr><tr><td>1</td><td>PYL 100</td><td>ELECTROMAGNETIC WAVES &amp; QUA.MEC.</td><td>3.0</td><td>B</td></tr></table>					Sem	Course Code	Title	Credits	Grade	1	ELL 100	INTRO. TO ELECTRICAL ENGG.	4.0	A	1	MCP 100	ENGG. VISUALIZATION & COMM.	2.0	A	1	PYL 100	ELECTROMAGNETIC WAVES & QUA.MEC.	3.0	B
Sem	Course Code	Title	Credits	Grade																				
1	ELL 100	INTRO. TO ELECTRICAL ENGG.	4.0	A																				
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1	PYL 100	ELECTROMAGNETIC WAVES & QUA.MEC.	3.0	B																				

restart/

Planning Tool Courses Of Study										Termination 2014CS10226	Average Student 2014CS10256
Shauvik Pal 2014CS10234											
Degree Restart After One Year											
<div>≡ Change Color Scheme</div> <div>≡ Detailed Credit Breakup</div>											
Sem										Credits Reg./Cld./Cum.	SGPA/CGPA
1(Chron.) 1(Log.) DIWALI '14	ELL 100 (EAS) (4.0) Credit (F) Grade	MCP 100 (EAS) (2.0) Credit (C) Grade	PYL 100 (BS) (3.0) Credit (F) Grade	MTL 100 (BS) (4.0) Credit (E) Grade	PYP 100 (BS) (2.0) Credit (C) Grade	MCP 101 (EAS) (2.0) Credit (C-) Grade	NIN 100 (NG) (1.0) Credit (S) Grade	NEN 100 (NG) (0.5) Credit (S) Grade	NLN 100 (NG) (1.0) Credit (S) Grade		
2(Chron.) 2(Log.) HOLI '15	APL 100 (EAS) (4.0) Credit (F) Grade	COL 100 (EAS) (4.0) Credit (D) Grade	CML 100 (BS) (3.0) Credit (E) Grade	MTL 101 (BS) (4.0) Credit (D) Grade	CMP 100 (BS) (2.0) Credit (B-) Grade	NEN 101 (NG) (0.5) Credit (S) Grade	NLN 101 (NG) (1.0) Credit (S) Grade				

term/

Planning Tool Courses Of Study										Average Student 2014CS10256	Degree Restart 2014CS10234
Keshav Kumar 2014CS10226											
Terminated After Restart											
<div>≡ Change Color Scheme</div> <div>≡ Detailed Credit Breakup</div>											
Sem										Credits Reg./Cld./Cum.	SGPA/CGPA
1(Chron.) 1(Log.) DIWALI '14	ELL 100 (EAS) (4.0) Credit (F) Grade	MCP100 (EAS) (2.0) Credit (C-) Grade	PYL 100 (BS) (3.0) Credit (D) Grade	MTL 100 (BS) (4.0) Credit (F) Grade	PYP 100 (BS) (2.0) Credit (C-) Grade	MCP 101 (EAS) (2.0) Credit (S) Grade	NIN 100 (NG) (1.0) Credit (S) Grade	NEN 100 (NG) (0.5) Credit (S) Grade	NLN 100 (NG) (1.0) Credit (S) Grade		
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Interactive Academic Feedback System

Courses done by Btech student 'Aarti' in Computer Science

≡ Change Color Scheme

Sem	Course Code	Title	Credits	Grade
1	ELL 100	INTRO. TO ELECTRICAL ENGG.	4.0	A
1	MCP 100	ENGG. VISUALIZATION & COMM.	2.0	A
1	PYL 100	ELECTROMAGNETIC WAVES & QUA.MEC.	3.0	B
1	MTL 100	CALCULUS	4.0	C
1	PYP 100	PHYSICS LABORATORY	2.0	B
1	MCP 101	PRODUCT REALIZATION BY MANF.	2.0	D

Interactive Academic Feedback System

≡ Change Color Scheme

course_no	1	2	3	4	5	6	7	8	9	Total Credits
semester										
1	ELL 100(4.0)(10)	MCP 100(2.0)(10)	PYL 100(3.0)(8)	MTL 100(4.0)(6)	PYP 100(2.0)(8)	MCP 101(2.0)(4)	NIN 100(1.0)(0)	NEN 100(0.5)(0)	NLN 100(1.0)(0)	0.0
Btechstudent 'Aarti'	APL 100(4.0)(6)	COL 100(4.0)(10)	CML 100(3.0)(8)	MTL 101(4.0)(8)	CMP 100(2.0)(4)	NEN 100(0.5)(0)	NLN 100(1.0)(0)	NaN	NaN	0.0
3	COL 202(4.0)(10)	COL 215(5.0)(8)	COL106(5.0)(8)	PYL102(3.0)(6)	MTL 106(4.0)(6)	CON 101(1.0)(4)	NaN	NaN	NaN	0.0
4	COL 226(5.0)(10)	COL 216(4.0)(10)	ELL 205(4.0)(8)	CVL 100(2.0)(9)	HUL 212(4.0)(7)	COP 290(3.0)(5)	NaN	NaN	NaN	0.0
5	COL 333(4.0)(8)	COL 334(4.0)(10)	COL 351(4.0)(8)	SBL 100(4.0)(6)	HUL 231(4.0)(8)	COD 310(4.0)(10)	NaN	NaN	NaN	0.0
-	COL 352(3.0)(8)	COL 371(3.0)(8)	MTL 371(3.0)(8)	HUL 371(3.0)(8)	COL 371(3.0)(8)	COL 371(3.0)(8)	COL 371(3.0)(8)	COL 371(3.0)(8)	COL 371(3.0)(8)	0.0

Btech student 'Aarti'	Sem	Course	Credits	Grade
	1	ELL 100	4.0	10
		MCP 100	2.0	10
		PYL 100	3.0	8
		MTL 100	4.0	6
		PYP 100	2.0	8
		MCP 101	2.0	4
		NIN 100	1.0	0
		NEN 100	0.5	0
		NLN 100	1.0	0
	2	APL 100	4.0	6
		COL 100	4.0	10
		CML 100	3.0	8
		MTL 101	4.0	8

				HUL 361	3.0	10					
Btech student 'Aarti'	Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Course 9	Total Credits
	1	ELL 100	MCP 100	PYL 100	MTL 100	PYP 100	MCP 101	NIN 100	NEN 100	NLN 100	0.0
	grades	10.0	10.0	8.0	6.0	8.0	4.0	0.0	0.0	0.0	0.0
	credits	4.0	2.0	3.0	4.0	2.0	2.0	1.0	0.5	1.0	0.0
	2	APL 100	COL 100	CML 100	MTL 101	CMP 100	NEN 100	NLN 100	None	None	0.0
	grades	6.0	10.0	8.0	8.0	4.0	0.0	0.0	None	None	0.0
	credits	4.0	4.0	3.0	4.0	2.0	0.5	1.0	None	None	0.0
	3	COL 202	COL 215	COL106	PYL102	MTL 106	CON 101	None	None	None	0.0
	grades	10.0	8.0	8.0	6.0	6.0	4.0	None	None	None	0.0
	credits	4.0	5.0	5.0	3.0	4.0	1.0	None	None	None	0.0
	4	10.0	10.0	8.0	9.0	7.0	5.0	None	None	None	0.0
	grades	5.0	4.0	4.0	2.0	4.0	3.0	None	None	None	0.0

student/

Planning Tool Courses Of Study List View										Termination 2014CS10226	Degree Restart 2014CS10234
Aarti Singh 2014CS10256											
Consolidated Grade Sheet											
≡ Change Color Scheme						≡ Detailed Credit Breakup					
Sem										Credits Reg./Cld./Cum.	SGPA/CGPA
1 DIWALI '14	ELL 100 (EAS) (4.0) Credit (A) Grade	MCP 100 (EAS) (2.0) Credit (A) Grade	PYL 100 (BS) (3.0) Credit (B) Grade	MTL 100 (BS) (4.0) Credit (C) Grade	PYP 100 (BS) (2.0) Credit (B) Grade	MCP 101 (EAS) (2.0) Credit (D) Grade	NIN 100 (NG) (1.0) Credit (Z) Grade	NEN 100 (NG) (0.5) Credit (S) Grade	NLN 100 (NG) (1.0) Credit (S) Grade		
2 HOLI '15	APL 100 (EAS) (4.0) Credit (C) Grade	COL 100 (EAS) (4.0) Credit (A) Grade	CML 100 (BS) (3.0) Credit (B) Grade	MTL 101 (BS) (4.0) Credit (B) Grade	CMP 100 (BS) (2.0) Credit (D) Grade	NEN 100 (NG) (0.5) Credit (S) Grade	NLN 100 (NG) (1.0) Credit (Z) Grade				

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6 HOLI '21	COL 362 (DC) (4.0) Credit (A) Grade	COL 331 (DC) (4.0) Credit (A) Grade	ELL 203 (DE) (4.0) Credit (A) Grade	COL 352 (DC) (4.0) Credit (B) Grade	HUL 361 (HU) (3.0) Credit (C) Grade	COL 380 (DC) (4.0) Credit (D) Grade			
1 DIWALI '14	Approve Replace Delete ELL 100 (EAS) (4.0) Credit (A) Grade	Approve Replace Delete MCP 100 (EAS) (2.0) Credit (A) Grade	Approve Replace Delete PYL 100 (BS) (3.0) Credit (B) Grade	Approve Replace Delete MTL 100 (BS) (4.0) Credit (C) Grade	Approve Replace Delete PYP 100 (BS) (2.0) Credit (B) Grade	Approve Replace Delete MCP 101 (EAS) (2.0) Credit (D) Grade	Approve Replace Delete NIN 100 (NG) (1.0) Credit (Z) Grade	Approve Replace Delete NEN 100 (NG) (0.5) Credit (S) Grade	Approve Replace Delete NLN 100 (NG) (1.0) Credit (S) Grade
2 HOLI '15	Approve Replace Delete APL 100 (EAS) (4.0) Credit (C) Grade	Approve Replace Delete COL 100 (EAS) (4.0) Credit (A) Grade	Approve Replace Delete CML 100 (BS) (3.0) Credit (B) Grade	Approve Replace Delete MTL 101 (BS) (4.0) Credit (B) Grade	Approve Replace Delete CMP 100 (BS) (2.0) Credit (D) Grade	Approve Replace Delete NEN 100 (NG) (0.5) Credit (S) Grade	Approve Replace Delete NLN 100 (NG) (1.0) Credit (Z) Grade	Approve Replace Delete	Approve Replace Delete

Planning Tool

Termination  
2014CS10226

Degree Restart  
2014CS10234

Shivani Sen 2011CS50297

Consolidated Grade Sheet

≡ Change Color Scheme

≡ Detailed Credit Breakup

Sem								Credits Reg./Cld./Cum.	SGPA/CGPA
1 DIWALI '11	MEL 110 (EA) (4.0) Credit (B-) Grade	MAL 111 (MA) (4.0) Credit (D) Grade	PHP 100 (PH) (2.0) Credit (A-) Grade	CSN 110 (DC) (2.0) Credit (S) Grade	CSL 102 (EA) (4.0) Credit (B-) Grade	PHL110 (PH) (4.0) Credit (D) Grade	HUN 100 (HU) (2.0) Credit (Z) Grade	/t/v	
2 HOLI '12	CSL 201 (DC) (5.0) Credit (D) Grade	ELL 101 (EA) (4.0) Credit (D) Grade	MEL 120 (EA) (4.0) Credit (B) Grade	CYL 110 (CY) (4.0) Credit (D) Grade	HUN 100 (HU) (2.0) Credit (S) Grade	CYP 100 (CY) (2.0) Credit (B) Grade	MAL 124 (MA) (4.0) Credit (E) Grade	/t/v	

Sem	Course	Credits	Grade
1	MEL 110	4.0	B-
	MAL 111	4.0	D
	PHP 100	2.0	A-
	CSN 110	2.0	S
	CSL 102	4.0	B-
	PHL110	4.0	D
	HUN 100	2.0	Z
2	CSL 201	5.0	D
	ELL 101	4.0	D
	MEL 120	4.0	B
	CYL 110	4.0	D
	HUN 100	2.0	S



**cascade/**

Select and add a course

Filter By Department

CS

COL 362

Filter By Course Category

DE

COL 362

Search By Course Code

COL 362

Search By Course Title

INTRO. TO DATABASE MGMT. SYST.

Submit

**studentlist/**

Sem	Course Code	Course Category	Title	Credits	Grade
1	ELL 100	EAS	INTRO. TO ELECTRICAL ENGG.	4.0	A
1	MCP 100	EAS	ENGG. VISUALIZATION & COMM.	2.0	A
1	PYL 100	BS	ELECTROMAGNETIC WAVES & QUA.MEC.	3.0	B
1	MTL 100	BS	CALCULUS	4.0	C
1	PYP 100	BS	PHYSICS LABORATORY	2.0	B
1	MCP 101	EAS	PRODUCT REALIZATION BY MANF.	2.0	D
1	NIN 100	NG	INTRODUCTION TO ENGINEERING	1.0	Z
1	NEN 100	NG	PROFE. ETHICS & SOCIAL RESP.	0.5	S
1	NLN 100	NG	LANGUAGE & WRITING SKILL	1.0	S
2	APL 100	EAS	ENGINEERING MECHANICS	4.0	C
2	COL 100	EAS	INTRO. TO COMPUTER SCIENCE	4.0	A

After entering the data in the xml file the template will get updated in this way.

### COURSE TEMPLATE

(Please avoid changing the number of tables, rows and columns or text in dark black, but fill only the columns relevant to the template by editing the columns in grey letters or blank columns: this would help in automating the processing of template information for curricular use)

1.	Department/Centre/School proposing the course	Computer Science and Engineering		
2.	Course Title	Introduction to Computer Science		
3.	L-T-P structure	3-0-2		
4.	Credits	4	Non-graded Units	0
5.	Course number	COL100		
6.	Course Status (Course Category for Program) Core for all UG and Dual students of the Institute			

-----Thank you-----