TENTATIVE

SCHEME OF EXAMINATION

for

BACHELOR OF VOCATION
in
SOFTWARE DEVELOPMENT

Offered by

University School of Engineering and Technology

3rd SEMESTER to 6th SEMESTER

**GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY**

Guru Gobind Singh Indraprastha University
Dwarka, Delhi – 110078 [INDIA]
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Tentative Scheme for Level VI and VII for B.Voc. (Software Development). The detailed Scheme and Syllabi for Level VI and VII shall be got approved during the Academic Year 2016-17 by the BOS of USET and Academic Council of GGSIPU.

BACHELOR OF VOCATION
SOFTWARE DEVELOPMENT
THIRD SEMESTER EXAMINATION
(LEVEL-VI)

Paper Code	Paper ID	Paper	L	T/P	Credits
THEORY PAPERS					
ETVSD-601		Core Java Programming	3	1	4
ETVSD-603		Networking Fundamentals	3	1	4
ETVSD-605		Database Management Skills-I	3	1	4
ETVSD-607		Operating System Concepts	3	0	3
OPEN ELECTIVE-III (Select any one)					
ETVMS-601		Financial Accounting	3	0	3
ETVMS-603		Organizational Behaviour	3	0	3
ETVMS-605		Operations Research	3	0	3
ETVMS-607		Industrial Management	3	0	3
ETVMS-609		Managerial Economics	3	0	3
PRACTICAL/VIVA VOCE					
ETVSD-651		Core Java Programming Lab	0	3	3
ETVSD-653		Networking Fundamentals Lab	0	3	3
ETVSD-655		Database Management Skills-I Lab	0	3	3
ETVSD-657		Industrial Training-II	0	0	3
TOTAL			**15**	**12**	**30**

^Industrial Training-III: The students are advised to undergo 2-weeks training in industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) during winter vacation and should submit training report for evaluation during the Fourth semester.

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BACHELOR OF VOCATION
SOFTWARE DEVELOPMENT
FOURTH SEMESTER EXAMINATION
(LEVEL-VI)

Paper Code	Paper ID	Paper	L	T/P	Credits
THEORY PAPERS					
ETVSD-602		Advance Java Programming	3	1	4
ETVSD-604		Web Application and Development	3	1	4
ETVSD-606		Software Engineering	3	1	4
CORE ELECTIVE-I (Select any one)					
ETVSD-608		Database Management Skills-II	3	1	4
ETVSD-610		Free and Open Source Software	3	1	4
ETVSD-612		Network Security	3	1	4
OPEN ELECTIVE-IV (Select any one)					
ETVHS-602		French	3	0	3
ETVHS-604		Spanish	3	0	3
ETVHS-606		Mandarin	3	0	3
ETVHS-608		German	3	0	3
ETVHS-610		Portuguese	3	0	3
ETVMS-602		Entrepreneurship Development and Planning	3	0	3
ETVMS-604		Business Informatics	3	0	3
PRACTICAL/VIVA VOCE (Select any one Lab based on CORE ELECTIVE-I)					
ETVSD-656		Database Management Skills-II	0	3	3
ETVSD-658		Free and Open Source Software	0	3	3
ETVSD-660		Network Security	0	3	3
PRACTICAL/VIVA VOCE					
ETVSD-652		Advance Java Programming Lab	0	3	3
ETVSD-654		Web Application and Development Lab	0	3	3
ETVSD-662		Industrial Training-III^	0	0	2
ETVSD-664		Project-II	0	3	3
TOTAL			**15**	**16**	**33**

^^Industrial Training-IV: The students are advised to undergo 6-8 weeks training in industry/Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) during summer vacation and should submit training report for evaluation during the Fourth semester.

Note for Project: The student will submit a synopsis at the beginning of the semester for approval from the departmental committee in a specified format, thereafter he/she will have to present the progress of the work through seminars and progress reports.

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SOFTWARE DEVELOPMENT
FIFTH SEMESTER EXAMINATION
(LEVEL-VII)

Paper Code	Paper ID	Paper	L	T/P	Credits
THEORY PAPERS					
ETVHS-701		Technical English (Common to all disciplines)	3	0	3
ETVSD-701		Cloud Computing	3	1	4
CORE ELECTIVE-II (Select any one)					
ETVSD-703		Mobile Computing	3	1	4
ETVSD-705		Server Administration	3	1	4
ETVSD-707		Software Project Management	3	1	4
CORE ELECTIVE-III (Select any one)					
ETVSD-709		Mobile Application Development	3	1	4
ETVSD-711		Computer Graphics	3	1	4
ETVSD-713		Enterprise Resource Planning	3	1	4
PRACTICAL/VIVA VOCE (Select any one Lab based on CORE ELECTIVE-II)					
ETVSD-753		Mobile Computing Lab	0	3	3
ETVSD-755		Server Administration Lab	0	3	3
ETVSD-757		Software Project Management Lab	0	3	3
PRACTICAL/VIVA VOCE (Select any one Lab based on CORE ELECTIVE-III)					
ETVSD-759		Mobile Application Development Lab	0	3	3
ETVSD-761		Computer Graphics Lab	0	3	3
ETVSD-763		Enterprise Resource Planning Lab	0	3	3
GENERAL ELECTIVE-II (Select any one)**					
ETVSS-751		NCC	2	1	3
ETVSS-753		NSS	2	1	3
ETVSS-755		Sports	2	1	3
ETVSS-757		Community Services	2	1	3
ETVSS-759		ECO Club	2	1	3
ETVSS-761		YOGA	2	1	3
PRACTICAL/VIVA VOCE					
ETVHS-751		Language Lab (Common to all disciplines)	0	3	3
ETVSD-751		Cloud Computing Lab	0	3	3
ETVSD-765		Minor Project	0	3	3
ETVSD-767		Industrial Training-IV^^	0	0	3
TOTAL			14	19	36

#Industrial Training-V: The students are advised to undergo 2 weeks training in industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) during winter vacation and should submit training report for evaluation during the Sixth semester.

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Paper Code	Paper ID	Paper	L	T/P	Credits
THEORY PAPERS					
ETVSD-702		Software Testing Tools & Techniques	3	1	4
ETVHS-702		Human Values & Profession Ethics-II	3	0	3
CORE ELECTIVE-IV (Select any one)					
ETVSD-704		Multimedia & Animation	3	0	3
ETVSD-706		Cyber Security and Cyber Law	3	0	3
ETVSD-708		Internet of Things	3	0	3
PRACTICAL/VIVA VOCE (Select any one Lab based on CORE ELECTIVE-IV)					
ETVSD-754		Multimedia & Animation Lab	0	3	3
ETVSD-756		Cyber Security and Cyber Law Lab	0	3	3
ETVSD-758		Internet of Things Lab	0	3	3
PRACTICAL/VIVA VOCE					
ETVSD-752		Software Testing Tools & Techniques Lab	0	3	3
ETVSD-760		Industrial Training-V#	0	0	3
ETVSD-762		Major Project*#	0	12	12
TOTAL			**09**	**19**	**31**

*#The student will submit a synopsis at the beginning of the semester for approval from the departmental committee in a specified format, thereafter he/she will have to present the progress of the work through seminars and progress reports. Seminar related to major project should be delivered one month after staring of Semester. The progress will be monitored through seminars and progress reports. ***The students may be allowed to do Industrial Major Project on-site during 5 days in a week and class work should be completed in 2 working days in the respective institution. If in case, the classes are held during Saturday /Sunday then faculty should be given off in lieu of Saturday/Sunday.***

For Award of Diploma:
1. The total number of the credits of the Diploma (Software Development) Programme = 63.
2. Student shall be required to appear in examinations of all courses. However, to award the Diploma (Software Development) a student shall be required to earn a minimum of 60 credits.

For Award of Advanced Diploma:
1. The total number of the credits of the Advanced Diploma (Software Development) Programme = 126.
2. Student shall be required to appear in examinations of all courses. However, to award the Advanced Diploma (Software Development) a student shall be required to earn a minimum of 120 credits.

For Award of B.Voc Degree:
1. The total number of the credits of the B.Voc. (Software Development) Programme = 190.
2. Student shall be required to appear in examinations of all courses. However, to award the Degree B.Voc. (Software Development) a student shall be required to earn a minimum of 180 credits.

FOR LATERAL ENTRY STUDENTS- For Award of Advanced Diploma:
1. The total number of the credits of the Diploma (Software Development) Programme = 63
2. Each student shall be required to appear for examinations in all courses Third Semester onwards. However, for the award of the Degree B.Voc. (Software Development) a student shall be required to earn a minimum of 60 credits.

FOR LATERAL ENTRY STUDENTS- For Award of B.Voc Degree:
1. The total number of the credits of the B.Voc. (Software Development) Programme = 127
2. Each student shall be required to appear for examinations in all courses Third Semester onwards. However, for the award of the Degree B.Voc. (Software Development), a student shall be required to earn a minimum of 120 credits.

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