



PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA
DEPARTMENT OF CIVIL ENGINEERING

19

Board of Studies Committee Meeting on 04.09.2021

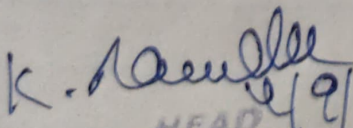
S.No.	Name of the Committee Member	Designation	Signature
1	Dr. K. Ramesh	HOD & Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
2	Dr. C.S.R.K. Prasad	Prof. in CE, NIT, Warangal	Attended through online Google Meet
3	Dr. G. Appa Rao	Prof. in CE, IIT Madras, Chennai	Attended through online Google Meet
4	Dr. K. Srinivasa Rao	Prof. in CE, AU, Vizag	Attended through online Google Meet
5	Dr. M.V.S. Raju	Prof. in CE, VRSEC, Vijayawada	Attended through online Google Meet
6	Mr. P. Rama Chandra Rao	Chief Engineer, SAGTE, VJA	Attended through online Google Meet
7	Dr. A. Adi Lakshmi	Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
8	Dr. V.Jagadish	Associate Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
9	Dr. K. Shyam Prakash	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
10	Dr. Krishanu Mukherjee	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
11	Mr. K.V Subash	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
12	Ms. G.V. Ratna Kumari	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
13	Ms.K.Divya	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
14	Mrs. K. Prasanthi	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
15	Ms. M. Durga Prasanna	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
16	Mr.V.Preetham	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
17	Mr. P.S.V.Bharath	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet
18	Ms.Anupama	Asst. Prof. in CE, PVPSIT, Vijayawada	Attended through online Google Meet

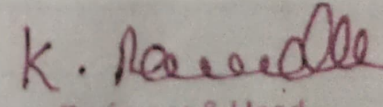
AGENDA OF MEETING

1. To approve the 2nd year course structure and 2nd year syllabus of PVP20 regulations.
2. To approve the tentative 3rd and 4th year course structure of PVP20 regulations.
3. To discuss the subjects which are to be included in the subjects list for the award of B.Tech (Hons) Civil Engineering programme and B.Tech (Minor) programme.
4. Action plan for the improvement in the coming years.

Minutes of BOS Meeting held in online mode on 4th September 2021

1. Members discussed at length on the proposed course structure and syllabus of 2nd year syllabus of PVP20 Regulations and approved the 2nd year syllabus and 2nd year course structure of PVP20 regulations.
2. The committee members discussed the tentative course structure for 3rd and 4th year of PVP 20 regulations and approved the tentative course structure of 3rd and 4th year of PVP20 regulations.
3. The committee also discussed on the subjects to be included in the subjects list for the the award of Honors and Minor programmes.
4. The committee also discussed on the proposed skill oriented courses suggested in the course structure and approved the same.
5. The committee also discussed on the tentative professional elective courses suggested in the course structure and approved the tentative list of courses as suggested.
6. The committee expressed satisfaction on the number of student activities attended by the students in the academic year 2020-2021.
7. The committee recommended to include the courses viz., Environment and Ecology, Environmental Management, Building Services in the pool of open electives.


2/9/2021
HEAD
Dept. of Civil Engineering
BRASAO V.POTLURI
ODHARMA INSTITUTE OF TECHNOLOGY
NURU, VIJAYAWADA-520 007


Professor & Head
Dept. of Civil Engineering
PVP Siddhanta Institute of Technology
NURU, VIJAYAWADA - 520 007

PVP20 COURSES CATEGORYWISE

Humanities and Social Sciences Including management Courses				
S.No.	Name of the course	Course Category	L-T-P	Credits
1	Communicative English I	HS	3-0-0	3
2	Communicative English I Lab	HS	0-0-3	1.5
3	Communicative English II	HS	3-0-0	3
4	Communicative English II Lab	HS	0-0-3	1.5
5	Construction Management	HS Elective	3-0-0	3
Total Credits				12
Basic Science Courses				
1	Calculus and Linear Algebra	BS	3-0-0	3
2	Chemistry of Materials	BS	3-0-0	3
3	Chemistry of Materials Lab	BS	0-0-3	1.5
4	Differential Equations and Vector Calculus	BS	3-0-0	3
5	Applied Physics	BS	3-0-0	3
6	Applied Physics Lab	BS	0-0-3	1.5
7	Numerical and Statistical Methods	BS	3-0-0	3
8	Applied Mechanics	BS	3-0-0	3
Total Credits				21
Engineering Science Courses				
1	Problem Solving and Programming	ES	3-0-0	3
2	Engineering Graphics	ES	1-0-4	3
3	Problem Solving and Programming Lab	ES	0-0-3	1.5
4	Basic Electrical and Electronics Engineering	ES	3-0-0	3
5	AI Tools	ES	3-0-0	3
6	Basic Workshop	ES	1-0-4	3
7	AI Tools Lab	ES	0-0-3	1.5
8	Basic Electrical and Electronics Engineering Lab	ES	0-0-3	1.5
9	Mechanics of Fluids	ES	3-0-0	3
10	Mechanics of Fluids Lab	ES	0-0-3	1.5
Total Credits				24
Professional Core Courses (PC)				
1	Hydraulics and Hydraulic machines	PC	3-0-0	3
2	Surveying	PC	3-0-0	3
3	Computer aided drawing	PC	0-0-3	1.5
4	Surveying Lab	PC	0-0-3	1.5
5	Estimation and Costing	PC	3-0-0	3
6	Construction Materials & Concrete Technology	PC	3-0-0	3
7	Structural Analysis	PC	3-0-0	3
8	Mechanics of Solids	PC	3-0-0	3
9	Mechanics of Solids Lab	PC	0-0-3	1.5
10	Construction Materials & Concrete Technology Lab	PC	0-0-3	1.5
11	Design of Reinforced Concrete Structures	PC	3-0-0	3
12	Geotechnical Engineering	PC	3-0-0	3
13	Water Resources Engineering	PC	3-0-0	3
14	Geotechnical Engineering Lab	PC	0-0-3	1.5

15	Computer applications in Civil Engineering Lab	PC	0-0-3	1.5
16	Design of Steel Structures	PC	3-0-0	3
17	Environmental Engineering	PC	3-0-0	3
18	Highway Engineering	PC	3-0-0	3
19	Highway Engineering Lab	PC	0-0-3	1.5
20	Environmental Engineering Lab	PC	0-0-3	1.5
21	Minor Project	PC	0-0-3	1.5
Total Credits				49.5
Open Elective Courses (OE)				
1	Open Elective – I	OE	3-0-0	3
2	Open Elective – II	OE	3-0-0	3
3	Open Elective – III	OE	3-0-0	3
4	Open Elective – IV	OE	3-0-0	3
Total Credits				12
Professional Elective Courses				
1	Professional Elective – I	PE	3-0-0	3
2	Professional Elective – II	PE	3-0-0	3
3	Professional Elective – III	PE	3-0-0	3
4	Professional Elective – IV	PE	3-0-0	3
5	Professional Elective – V	PE	3-0-0	3
Total Credits				15
Internship, Major Project etc.,				
1	Summer Internship 6 weeks (Mandatory) after second year (to be evaluated during V semester)	PROJ	0-0-0	1.5
2	Summer Internship 6 weeks (Mandatory) after third year (to be evaluated during 7 th semester)	PROJ	0-0-0	3
3	Major Project/ 6 months Internship	PROJ	0-0-0	12
				16.5
Mandatory Courses (MC)				
1	Life Sciences	MC	2-0-2	0
2	Environmental Sciences	MC	3-0-0	0
3	Universal Human Values	MC	3-0-0	0
4	Constitution of India	MC	3-0-0	0
Total Credits				0
Skill oriented Courses				
1	C Programming lab	SKILL	1-0-2	2
2	Advanced Surveying using Total Station Lab	SKILL	1-0-2	2
3	Computer aided Building Drawing using AUTO CAD	SKILL	1-0-2	2
4	Soft Skills Lab	SKILL	1-0-2	2
5	Computer aided Project Management Lab	SKILL	1-0-2	2
Total Credits				10
Total Credits of Regular B.Tech Programme (12+21+24+49.5+15+12+16.5+0+10)				160

K. Narasimha
4/9/21
HEAD

Dept. of Civil Engineering
PRASAD V.POTLURI
DHARMA INSTITUTE OF TECHNOLOGY
URU, VIJAYAWADA-520 007.

Professional Elective - I

S.No.	Stream	Course Title	L-T-P	C
1	Structural Engineering	Advanced Concrete Technology	3-0-0	3
2	Geotechnical Engineering	Foundation Engineering	3-0-0	3
3	Transportation Engineering	Traffic Engineering	3-0-0	3
4	Water Resources Engineering	Ground Water Engineering	3-0-0	3
5	Environmental Engineering	Pollution Prevention and Management	3-0-0	3

Professional Elective - II

1	Structural Engineering	Advanced Structural Analysis	3-0-0	3
2	Geotechnical Engineering	Rock mechanics	3-0-0	3
3	Transportation Engineering	Pavement Analysis and Design	3-0-0	3
4	Water Resources Engineering	Design and Drawing of Irrigation Structures	3-0-0	3
5	Environmental Engineering	Sanitary Engineering	3-0-0	3

Professional Elective - III

1	Structural Engineering	Advanced Reinforced Concrete Structures	3-0-0	3
2	Geotechnical Engineering	Advanced Foundation Engineering	3-0-0	3
3	Transportation Engineering	Remote Sensing and Geographic Information Systems	3-0-0	3
4	Water Resources Engineering	Open Channel Hydraulics	3-0-0	3
5	Environmental Engineering	Air Pollution and Control	3-0-0	3

Professional Elective - IV

1	Structural Engineering	Advanced Steel Structures	3-0-0	3
2	Geotechnical Engineering	Soil Dynamics and Machine Foundations	3-0-0	3
3	Transportation Engineering	Railway, Airport and Waterway Engineering	3-0-0	3
4	Water Resources Engineering	Irrigation Management	3-0-0	3
5	Environmental Engineering	Solid Waste Management	3-0-0	3

Professional Elective - V

1	Structural Engineering	Prestressed Concrete Structures	3-0-0	3
2	Geotechnical Engineering	Ground Improvement Techniques	3-0-0	3
3	Transportation Engineering	Urban Transportation Planning	3-0-0	3
4	Water Resources Engineering	Watershed Management	3-0-0	3
5	Environmental Engineering	Environmental Impact Assessment	3-0-0	3

K. Nandakumar
HEAD

Dept. of Civil Engineering

PRASAD V. POTLURI

SIDDHARTHA INSTITUTE OF TECH

KANURU, VIJAYAWADA-52

B.Tech course structure under PVP20 regulations Semesterwise**Semester - I**

S.No.		Name of the course	Course Category	L-T-P	Credits
1	20HS1101	Communicative English I	HS	3-0-0	3
2	20BS1101	Calculus and Linear Algebra	BS	3-0-0	3
3	20BS1104	Applied Physics	BS	3-0-0	3
4	20ES1101	Basic Electrical & Electronics Engineering	ES	3-0-0	3
5	20HS1151	Communicative English I Lab	HS	0-0-3	1.5
6	20BS1153	Applied Physics Lab	BS	0-0-3	1.5
7	20ES1151	Basic Electrical & Electronics Engineering Lab	ES	0-0-3	1.5
8	20ES1153	Basic Workshop	ES	1-0-4	3
Total Credits				15-0-15	19.5

Semester - II

S.No.		Name of the course	Course Category	L-T-P	Credits
1	20HS1201	Communicative English II	HS	3-0-0	3
2	20BS1201	Differential Equations and Vector Calculus	BS	3-0-0	3
3	20BS1206	Chemistry of Materials	BS	3-0-0	3
4	20ES1203	Problem Solving & Programming with Python	ES	3-0-0	3
5	20HS1251	Communicative English II Lab	HS	0-0-3	1.5
6	20BS1254	Chemistry of Materials Lab	BS	0-0-3	1.5
7	20ES1251	Engineering Graphics	ES	1-0-4	3
8	20ES1255	Problem Solving & Programming with Python Lab	ES	0-0-3	1.5
9	20MC1201	Life Sciences for Engineers	MC	2-0-2	0
Total Credits				15-0-15	19.5

Semester - III

S.No.	Course Code	Name of the course	Course Category	L-T-P	Credits
1		Numerical and Statistical Methods	BS	3-0-0	3
2		Applied Mechanics	BS	3-0-0	3
3		Mechanics of Fluids	PC	3-0-0	3
4		Surveying	PC	3-0-0	3
5		Construction Materials & Concrete Technology	ES	3-0-0	3
6		Computer aided drawing	PC	0-0-3	1.5
7		Surveying Lab	PC	0-0-3	1.5
8		Construction Materials & Concrete Technology Lab	ES	0-0-3	1.5
9		C Programming Lab	SKILL1	1-0-2	2
10		Environmental Science	MC	3-0-0	0
Total Credits				19-0-11	21.5

Semester – IV

S.No.	Name of the course	Course Category	L-T-P	Credits
1	Hydraulics and Hydraulic machines	PC	3-0-0	3
2	Mechanics of Solids	PC	3-0-0	3
3	Geotechnical Engineering	PC	3-0-0	3
4	Structural Analysis	PC	3-0-0	3
5	Water Resources Engineering	PC	3-0-0	3
6	Mechanics of Fluids Lab	PC	0-0-3	1.5
7	Mechanics of Solids Lab	PC	0-0-3	1.5
8	Geotechnical Engineering Lab	PC	0-0-3	1.5
9	Advanced Surveying using Total Station Lab	SKILL2	1-0-2	2
10	Universal Human values	MC	3-0-0	0
Total Credits			19-0-11	21.5

Internship (6 Weeks duration) During Summer Vacation

Honors / Minor Courses (The Hours can be 3-0-2 (OR) 3-1-0 4-0-0 4

Semester – V

S.No.	Name of the course	Course Category	L-T-P	Credits
1	Design of Reinforced Concrete Structures	PC	3-0-0	3
2	Environmental Engineering	PC	3-0-0	3
3	Highway Engineering	PC	3-0-0	3
4	Open Elective – I	OE	3-0-0	3
5	Open Elective – II	OE	3-0-0	3
6	Environmental Engineering Lab	PC	0-0-3	1.5
7	Highway Engineering Lab	PC	0-0-3	1.5
8	Computer aided Building Drawing Using AUTO CAD	SKILL2	1-0-2	2
9	Constitution of India	MC	3-0-0	0
10	Summer Internship 6 weeks duration (Mandatory) after second year (to be evaluated during V semester)		0-0-0	1.5
Total Credits			19-0-8	21.5

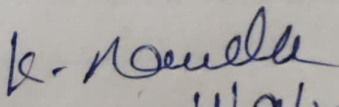
Honors / Minor Courses (The Hours can be 3-0-2 (OR) 3-1-0) 4-0-0 4

Semester – VI

S.No.	Name of the course	Course Category	L-T-P	Credits
1	Design of Steel Structures	PC	3-0-0	3
2	Estimation and Costing	PC	3-0-0	3
3	AI Tools	ES	3-0-0	3
4	Professional Elective – I	PE	3-0-0	3
5	Professional Elective – II	PE	3-0-0	3
6	Computer applications in Civil Engineering Lab	PC	0-0-3	1.5
7	AI Tools Lab	ES	0-0-3	1.5
8	Minor Project	PC	0-0-3	1.5
9	Soft Skills Lab	SKILL4	1-0-2	2
Total Credits			19-0-11	21.5

Honors / Minor Courses (The Hours can be 3-0-2 (OR) 3-1-0) 4-0-0 4

Semester – VII				
S.No.	Name of the course	Course Category	L-T-P	Credits
1	Professional Elective – III	PE	3-0-0	3
2	Professional Elective – IV	PE	3-0-0	3
3	Professional Elective – V	PE	3-0-0	3
4	Open Elective – III	OE	3-0-0	3
5	Open Elective – IV	OE	3-0-0	3
6	Construction Management	HS Elective	3-0-0	3
7	Computer aided Project Management Lab	SKILL5	1-0-2	2
Summer Internship 6 Weeks duration (Mandatory) after third year (to be evaluated in VII Semester)			0-0-0	3
Total Credits			19-0-2	23
Honors / Minor Courses (The Hours can be 3-0-2 (OR) 3-1-0)			4-0-0	4
Semester – VIII				
S.No.	Name of the course	Course Category	L-T-P	Credits
1	Project Work, Seminar and Internship in Industry	Major Project	0-0-0	12
INTERNSHIP (6 MONTHS)				
Total Credits				12


 HEAD 4/9/2021
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