

VAAGDEVI COLLEGE OF ENGINEERING
AUTONOMOUS
Bollikunta, Warangal



**Minutes of the Board of Studies in Civil Engineering Meeting held
on 30-06-2018 at 10:30 a.m.**

Members present

S.No	Name and Address	Designation	Signature
1.	Dr. R. Bharathi Murugan Head, Dept. of Civil Engineering, VCE, Warangal	Chairman	
2.	Dr. K. Manjula Vani Prof & Head, Dept. of Civil Engineering, JNTUH CEH, Hyderabad.	Member (University Nominee)	
3.	Dr. G. Rajesh Kumar, Prof & Head, Dept. of Civil Engineering, NIT, Warangal	Member (Subject Expert)	
4.	Dr. K. Tirupati Rao, Prof & Principal, Ganapathy Engineering College, Warangal	Member (Subject Expert)	
5.	Dr. S. Sunil Pratap Reddy Associate Professor, Dept. of Civil Engineering, Kakatiya Institute of Technology and Science, Warangal.	Member (Subject Expert)	
6.	Sri S. Ramakrishna, EE, R&B, Hanamkonda, Warangal.	Member (Representative from Industry)	
7.	Dr. A. Siva Dept. of Civil Engineering, VCE, Warangal.	Member (Faculty)	
8.	Sri. V. Rajeshwar Dept. of Civil Engineering, VCE, Warangal.	Member (Faculty)	
9.	Sri. B. Dhavaleswar Rao Dept. of Civil Engineering, VCE, Warangal.	Member (Faculty)	

The following decisions are taken

1. It is resolved to approve the course structure (R-18) of B.Tech I, II, III & IV year (I & II Semester) under CBCS Scheme for the academic year 2018-19.
2. It is resolved to approve the Syllabi for B.Tech I-Year (I & II Semesters) from the academic year 2018-19.
3. It is resolved to approve the course structure and Syllabi of the M.Tech Structural Engineering program from the academic year 2018-19 under R-18 regulation.

The Chairman thanked the members for the advice and cooperation.

(Chairman BOS)

VAAGDEVI COLLEGE OF ENGINEERING
AUTONOMOUS
Bollikunta, Warangal



Civil Engineering Department
Board of Studies Meeting
Date & Time: 30-06-2018 at 10:30 a.m.

The Following Members are present during the BoS Meeting:










S.No	Name and Address	Designation	Signature
1.	Dr. R. Bharathi Murugan Head, Dept. of Civil Engineering, VCE, Warangal	Chairman	
2.	Dr. K. Manjula Vani Prof & Head, Dept. of Civil Engineering, JNTUH CEH, Hyderabad.	Member (University Nominee)	
3.	Dr. G. Rajesh Kumar, Prof & Head, Dept. of Civil Engineering, NIT, Warangal	Member (Subject Expert)	
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9.	Sri. B. Dhavaleswar Rao Dept. of Civil Engineering, VCE, Warangal.	Member (Faculty)	

VAAGDEVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
CIVIL ENGINEERING
COURSE STRUCTURE

(Applicable for the batches admitted from A.Y. 2018-2019 onwards)

I SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	BSC	Linear Algebra and Calculus	3	1	0	4
2	HSMC	English	2	0	0	2
3	BSC	Engineering Chemistry	3	1	0	4
4	ESC	Engineering Graphics and Design	1	0	4	3
5	ESC	Programming for Problem Solving	4	0	0	4
6	HSMC	English Language Communication Skills Lab	0	0	2	1
7	ESC	Programming for Problem Solving Lab	0	0	2	1
8	MC	Induction Program	0	0	0	0
Total			13	2	8	19

1. Dr. R. Bharathi mungar 
2. Dr. K. Mangula Vani. 
3. Prof. G. Rajesh Kumar 
4. Prof: K. Thirupathi. Rao 
5. Dr. S. Sunil Pratap Reddy 
6. S. Ramakrishna. 
7. Dr. A. SIVA (Ahu). 
8.  (K. RAJESWAR)
9.  (B. Dhavalakher Rao)

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II SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	BSC	Differential Equations and Vector Calculus	3	1	0	4
2	BSC	Engineering Physics	4	0	0	4
3	ESC	Engineering Mechanics	3	1	0	4
4	ESC	OOP's and Data Structures	3	0	0	3
5	ESC	Engineering Workshop & IT Workshop	0	0	3	1.5
6	BSC	Physics Lab Engineering Physics Lab	0	0	3	1.5
7	ESC	OOP's and Data Structures Lab	0	0	2	1
8	MC	NSS/NCC	0	0	2	0
Total			13	2	10	19










1. Dr. R. Bharathi mungar
2. Dr. K. Manjula Devi
3. Prof. G. Rajesh Kumar
4. Prof: K. Thiropath. Rao
5. Dr. S. Sunil Pratap Reddy
6. S. Rameshkrishna
7. Dr. A. SIVA (Ashu)
8. (U. RAJESWARA)
9. (B. Dhruveswar Rao)

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III SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	BSC	Probability and Statistics	3	1	0	4
2	PCC	Strength of Materials - I	3	0	0	3
3	PCC	Fluid Mechanics	3	0	0	3
4	PCC	Surveying and Geomatics	3	0	0	3
5	ESC	Basic Electrical and Electronics Engineering	3	0	0	3
7	PCC	Strength of Materials Lab	0	0	2	1
8	PCC	Surveying Lab	0	0	3	1.5
9	ESC	Basic Electrical and Electronics Engineering Lab	0	0	3	1.5
10	MC	Environmental Sciences	2	0	0	0
Total			17	1	8	20









1. Dr. R. Bharathi murugesan 
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IV SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	PCC	Building Materials and Construction Planning	3	0	0	3
2	PCC	Strength of Materials – II	3	0	0	3
3	PCC	Hydraulics & Hydraulic Machinery	3	0	0	3
4	PCC	Structural Analysis - I	3	0	0	3
5	PCC	Engineering Geology	3	0	0	3
6	ESC	Basic Mechanical Engineering	3	0	0	3
7	PCC	Fluid Mechanics & Hydraulic Machinery Lab	0	0	2	1
8	PCC	Engineering Geology Lab	0	0	2	1
9	ESC	Building Drawing Lab – CAD	0	1	2	2
10	MC	Indian Constitution	2	0	0	0
Total			20	1	6	22

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6. S. Ramekrishna. 
7. Dr. A. SIVA (Ashu).
8.  (V. Rajeshwar)
9.  (B. Shivalakshmi Rao)

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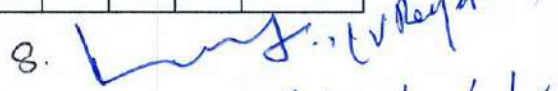
CIVIL ENGINEERING

COURSE STRUCTURE

(Applicable for the batches admitted from A.Y. 2018-2019 onwards)

V SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	PCC	Design of Steel Structures	3	0	0	3
2	PCC	Geotechnical Engineering	3	0	0	3
3	PCC	Concrete Technology	3	0	0	3
4	PCC	Engineering Hydrology	3	0	0	3
5	PEC	Professional Elective-I Structural Analysis-II Remote Sensing Environmental Impact Assessment	3	0	0	3
6	HSMC	Managerial Economics and Financial Analysis	3	0	0	3
7	PCC	Concrete Technology Lab	0	0	2	1
8	PCC	Geo Technical Engineering Lab	0	0	2	1
9	MC	Essence of Indian Traditional Knowledge	2	0	0	0
Total			20	0	4	20

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6. S. Rame Krishna. 
7. Dr. A. SIVA (Ashw).
8.  (B. D. Venkatesh Rao)

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VI SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	PCC	Design of RC Structures	3	0	0	3
2	PCC	Irrigation Engineering	3	0	0	3
3	PCC	Highway Engineering	3	0	0	3
4	PEC	Professional Elective-II Foundation Engineering Advanced Surveying Ground Improvement Techniques	3	0	0	3
5	PEC	Professional Elective-III Rehabilitation & Retrofitting of Structures Geological Information System Construction Management	3	0	0	3
6	OPEC	Open Elective-I Human Values and Professional Ethics Database Management System Power Plant Engineering	3	0	0	3
7	HSMC	Advanced English Communication Skills Lab	0	0	3	1.5
8	PCC	Highway Engineering Lab	0	0	2	1
9	PCC	Structural Design and Detailing Lab	0	0	3	1.5
10	MC	Logical Reasoning and Quantitative Analysis	2	0	0	0
Total			20	0	8	22

1. Dr. R. Bharathi mungar *[Signature]*

2. Dr. K. Manjula Devi *[Signature]*

3. Prof. S. Rajesh Kumar *[Signature]*

4. Prof. K. Thirupathi Rao *[Signature]*

5. Dr. S. Sunil Pratap Reddy *[Signature]*

6. S. Ramakrishna *[Signature]*

7. Dr. A. SIVA (Ashy) *[Signature]*

8. *[Signature]*

[Signature] (B. Dhava-lesker Rao)

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VII SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	PCC	Estimation and Valuation Practice	3	1	0	4
2	PCC	Environmental Engineering	3	0	0	3
3	PEC	Professional Elective-IV Watershed Management Railway, Airport and Harbour Engineering Bridge Engineering	3	0	0	3
4	PEC	Professional Elective-V Pre stressed Concrete Earthquake Engineering Reinforced Earth and Geotextiles	3	0	0	3
5	OPEC	Open Elective II Entrepreneur Development Industrial Management Digital Image Processing	3	0	0	3
6	PCC	Environmental Engineering Lab	0	0	2	1
7	PROJ	Mini Project and Internship*	0	0	0	2
8	PROJ	Project Phase I	0	0	8	4
Total			15	1	10	23

*The student should undergo industrial training/internship for a minimum period of two months during the summer vacation of 3rd year. To be evaluated at the beginning of the VII semester by assessing the report and seminar presentations.








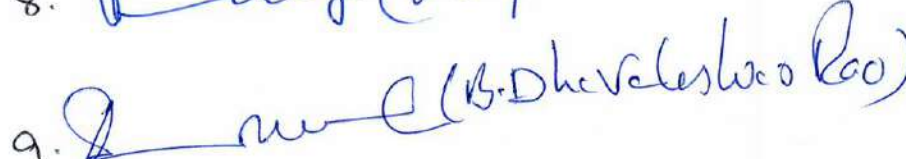
1. Dr. R. Bharathi murugesu 
2. Dr. K. Manjula Vamshi 
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7. Dr. A. SIWA (Ashw) 
8.  (V. Rajeshwar)
9.  (B. Dhruvashankar Rao)

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VIII SEMESTER

S.No	Category	Subject	L	T	P	Credits
1	PEC	Professional Elective-VI Pavement Design Solid Waste Management Finite Element Method	3	0	0	3
2	OPEC	Open Elective-III Intellectual Property Rights Nanotechnology Non-Conventional Energy Sources	3	0	0	3
3	PROJ	Seminar Technical Seminar	0	0	2	1
4	PROJ	Project II Phase II	0	0	16	8
Total			6	0	18	15

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List of OPEN ELECTIVE courses offered to other department

S.No	Category	Subject	L	T	P	Credits
1	OPEC	Basic Civil Engineering	3	0	0	3
2	OPEC	Air Pollution and Control	3	0	0	3
3	OPEC	Disaster Management	3	0	0	3

1. Dr. R. Bharathi murugan. 

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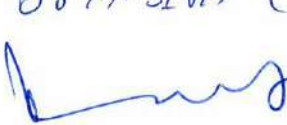
3. Prof. G. Rajesh Kumar 

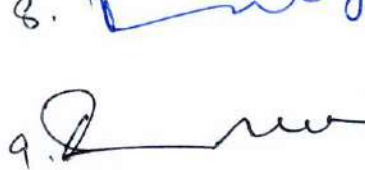
4. Prof. K. Thirupath Rao 

5. Dr. S. Sunil Pratap Reddy 

6. S. Ramesh Krishna 

7. Dr. A. SIVA (Ashw.)

8.  (V. Rajeshwar)

9.  (B. Dhevalakshmi Rao)

**VAAGDEVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
STRUCTURAL ENGINEERING
COURSE STRUCTURE**

(Applicable for the batches admitted from A. Y. 2018-2019 onwards)

I Semester

Sl. No	Category	Subject	L	T	P	Credit
1	PCC	Theory of Elasticity	3	0	0	3
2	PCC	Behaviour of Concrete Structures	3	0	0	3
3	PEC	Elective –I Matrix Methods of Structural Analysis Stability of Structures Advanced Concrete Technology	3	0	0	3
4	PEC	Elective –II Forensic Engineering and Rehabilitation of structures Prefabricated Structures Theory of Plates	3	0	0	3
5	PCC	Structural Design Lab	0	0	4	2
6	PCC	Advanced concrete lab	0	0	4	2
7	MLC	Research methodology	2	0	0	2
8	AC	Stress Management	2	0	0	0
Total credits			16	0	8	18

II Semester

Sl. No	Code	Subject	L	T	P	Credit
1	PCC	Finite Element Methods	3	0	0	3
2	PCC	Structural Dynamics	3	0	0	3
3	PEC	Elective III Experimental Techniques Analysis of Foundations Neo Construction Materials	3	0	0	3
4	PEC	Elective IV Offshore Structures Tall Buildings Design of Prestressed Concrete Structures	3	0	0	3
6	PCC	Model Testing Lab	0	0	4	2
7	PCC	Numerical Analysis Lab	0	0	4	2
8	PROJ	Mini Project	0	0	4	2
9	AC	English for Research Paper Writing	2	0	0	0
Total credits			14	0	12	18

1. Dr. K. Bharathi murugan
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4. Prof. K. Thirupathi Rao

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6. S. Ramakrishna
7. Dr. A. SIVA (Ashu)
8. (V. Rajesh)
9. (B. Dharmaswamy)

**VAAGDEVI COLLEGE OF ENGINEERING
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STRUCTURAL ENGINEERING
COURSE STRUCTURE**

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III Semester

Sl. No	Code	Subject	L	T	P	Credit
1	PEC	Elective V Design of Steel Concrete Composite Structures Underwater Construction Earthquake Analysis and Design of Structures	3	0	0	3
2	OPEC	Open Elective Business Law and Ethics Project Management Advanced Optimization Techniques	3	0	0	3
3	PROJ	Project Phase I	0	0	20	10
Total credits			6	0	20	16


IV Semester

Sl. No	Category	Subject	L	T	P	Credit
1	PROJ	Project Phase II	0	0	32	16
Total credits			6	0	32	16

Total Credits:- 18+18+16+16=68

OPEN ELECTIVE COURSE OFFERED TO OTHER DEPARTMENT


Sl. No	Code	Subject	L	T	P	Credit
1	OPEC	Waste Management	3	0	0	3

1. Dr. R. Bharathi murugan 


2. Dr. K. Manjula Vasri 

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5. Dr. S. Sunil Pratap Reddy 

6. S. Ramkrishna 

7. Dr. A. SIVA (Ashw) 

8.  (V. Rajeswar)

9.  (B. Dharmalingam Rao)