



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.



Minutes of Board of Studies(BoS) Meeting

Name of the Department	Civil Engineering
Name of the Programmes	B.E. Civil Engineering M.E. Environmental Engineering
Meeting No.	01
Date & Time	07.07.2017 & 10.00 A.M.
Venue	CIVIL A/C Seminar Hall

1. Chairman / BoS welcomed all members for the 1st meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
 - To finalize the curriculum and syllabi of first and second semester B.E CIVIL Programmes and 1st to 4th Semesters M.E. ENVIRONMENTAL ENGINEERING Programmes.
 - To finalize the curriculum of 3rd – 8th Semester B:E CIVIL.
 - To discuss the question paper pattern for UG/PG Programme and Evaluation methodologies.
 - Any other matters.
4. The following are the suggestions given by the member of Board of Studies.

* Industry member → Discussed about the Green chemistry.

* Arutchelvan sir said that anything related to environment. It's green chemistry.

* He also asked to change the home culture. university. nominee C. Sridhar,) said its overall about the Applied chemistry.

Chairman (BoS)

University Nominee

Subject Expert 07/07/17

Subject Expert

Industry Expert

Alumni 7/7/17

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Senior Faculty

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Senior Faculty

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

(Sridhar. CII) ...

2) → Technical English (discussed about)

Those who excel in tech. English

Business English (2nd level) → French, German

They can get extra credit.

3) TOEFL → Arutchelvan sir said to include the topic related to toefl exam. Those who are poor, to give extra coaching.


4.) Fundamentals of Mechanics:

They feel basic mechanics is too much for civil students. CIE's related to mech). said Pandurangan. (PEC).

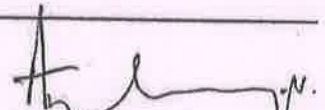
Arutchelvan sir compared the syllabus with their university syllabus.

5) Physics subject has only 3 lecture hours, He feels, It's not sufficient.

6) ^{C. Raghavaram} Industry member: He said, every candidate are very weak in drawing. so he asked to include more importance. for drawing. Sridhar sir said that no students


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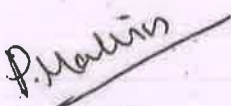

University Nominee

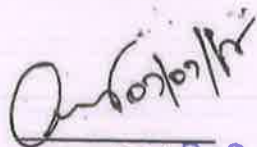

Subject Expert


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Industry Expert


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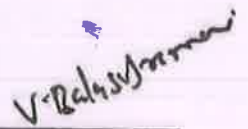
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7) He said that pc, mobile are useless now a days. They should communicate with their drawings only. so they we must give proper attention to engg. drawing.

And also he asked about the purpose of C programming.

How it is linked to civil engineering.

He asked about the connectivity between 'C' & civil engineering.



8) Anutchelvan sir they he related the 'C' program to Immigration design.

Isbke computer application Lab
C programming
Auto cad.

9) IIM → They should know about the smart city electronics.



No civil engineers are known about smart city. He asked to include that.

10) Ragunathan:
For the Job opp. they have to learn additional lang
civil → urdu, Arabi.
French, German → Mech.


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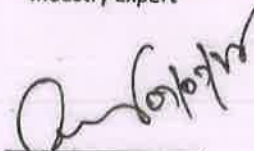

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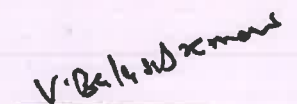
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PRINCIPAL

E.G.S. Pillay Engineering College,
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He appreciates the electronics and communication system. (I.M).

(A.S) communication english-II changes to communication lab. like skill developing.

He discussed about material science Environmental science. syllabus should follow as per the U.G.C norms.

Finally. they have given the strong point.

Engineering drawing must. Every drafty should be in practical.

1st Graphics
2nd.
3rd. Eng. drafty

MOS, MOP, (Name change).

Engg. surveying → Surveying.

Rock. Mech → geology. (3rd sem).

Geo. tech - I - soil mech

Geo tech - II → Foundation Engg.

Environmental engg, professional ethics are compulsory.

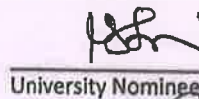
Ethics (4th sem). Include.

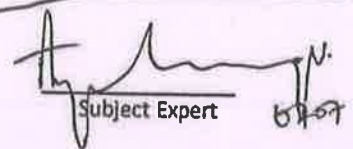
3rd sem Eng. drawing.

Manual → autocad

In. 3rd sem → Tech. seminar is not required.
4th sem (I.M, Rapurem)


Chairman (BOS)

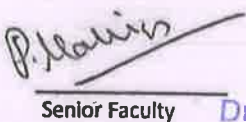

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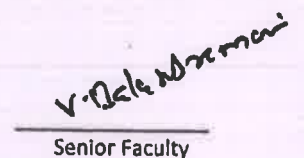

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→ They have pointed as syllabus have more theory. they asked to include more practical way.

3rd sem → construction material.
construction management.

MOS, MOF, Engg. Geology, Survey-I, 2 - Practical.

4th sem → hydraulics -II → hydraulics Machinery.

Geo tech 3rd sem to 5th sem

* Specify the name for mini project. (Ragunam)

I.M → He appreciates elective -II grouping.
for the Elective - I.

* He explained. Job section,
like CM, quality, Infrastructure. so the elective
topic should include in case.

* Instead we can include Engg. economic. (Sridhar)

IM → He asked to include logistics. as elective

Members are discussed about Elective choosen system.
open electives.
compulsory elective.

* We can include. CCTV, civil engineering oriented, Sensors,
IASSC. (Smart city electronics)

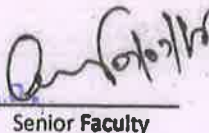

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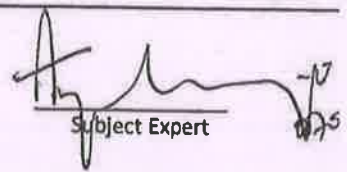

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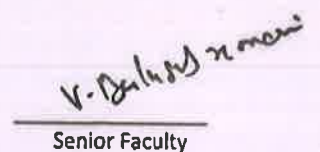

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* discussed about the prefabricated structures.

7th - prefabricated.

8th - logistics.

* For all the sem: 6 subjects.
2 practical.

* For the environment Engg. (M.E).

He asked about the opportunity
scope, demand

* Ist -> EN1704 - Principles and design of

Raguram sir asked about the eligibility to join
M.E Environ.

(A.S) -> ~~said to remove the business analysis.~~
Instead add some useful subject.

~~EN1702 - Principle & biological treatment systems.~~

Board members suggested to.
* Remove ~~research~~ methodology. Core as a credit
ker subject)

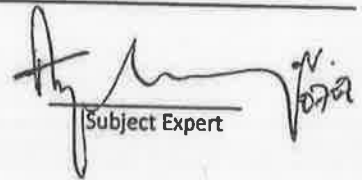
Instead use some core subject @) ~~ecology~~

* Research Methodology use as a elective subject.
for Ph.D purpose.

Environmental legislation include as a elective
statistics -> subject should teach by a Environ faculty

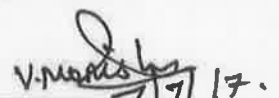

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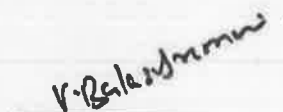

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Department of Civil Engineering

Date: 12.07.2017

Action Taken for BOS Meeting -I (07.07.2017)

The Following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of first and second semester of B.E. Civil Engineering and M.E. Environmental Engineering to the Academic Council for approval and the syllabus was approved as presented in Academic council.
- It is resolved to recommend the syllabus for first & second semester and curriculum of 3rd – 8th Semester B.E. Civil Engineering and 1st to 4th Semesters M.E. Environmental Engineering to the academic Council for approval and the syllabus was approved as presented in Academic council. English I and basic English may be merged as one course - Technical English

As per the suggestion given from industrial experts Job opportunities and higher education related skill courses are included


Syllabus for Applied Physics, Green chemistry and Fundamentals of Mechanical Engineering subjects have been modified as per experts suggestions.

- It is resolved to recommend the question paper pattern UG/PG Programmes and evaluation methodology for approval and the question paper pattern UG/PG programmes was approved with changes in Part A – $10 \times 2 = 20$, Part B – $5 \times 12 = 60$ & Part C – $1 \times 20 = 20$ in Academic council.

List of New courses syllabus revised from Anna University R2013

Course Code	Course Name	Change Details
1701PH101	Applied Physics for Engineers	Revision
1701CH103	Water Technology & Green Chemistry	Revision
1701GE104	Fundamentals of Mechanical Engineering	Revision
1704CE353	Technical Seminar - I	Revision
1704GE351	Life Skills: Soft skills	Revision
1704CE454	Technical Seminar - II	Revision
1704CE553	Mini Project I	Revision
1704GE551	Life Skills: Aptitude - I	Revision
1704GE651	Life Skills: Aptitude - II	Revision
1702CE653	Mini Project II	Revision
1702CE753	Mini Project III	Revision
17EV108	Communication Skills Lab I	Revision
17EV207	Communication Skills Lab II	Revision

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


CHAIRMAN
Board of Studies
Department of Civil Engineering
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List of New courses Introduced

Course Code	Course Name	Change Details
1701LE202	Language Elective	New course
1701GE451	Life Skills: Verbal Ability	New course
1702CE654	Industrial Visit / Presentation	New course
1704GE751	Competitive exams Preparation	New course
1702CE754	In plant Training / Internship Presentation	New course
17EV002	Climate Change and Modeling	New course
17EV202	Air Pollution Monitoring and Control	New course
17EV005	Environmental Policies and Legislation	New course
17EV208	Technical Seminar	New course

List of CBCS/Electives / offered by B.E. – Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CA	ES	Total		
PROFESSIONAL ELECTIVES – I										
1703CE001	Remote Sensing And GIS	3	-	-	3	40	60	100	PE	
1703CE002	Ground Improvement Techniques	3	-	-	3	40	60	100	PE	
1703CE003	Soil Dynamics and Machine Foundation	3	-	-	3	40	60	100	PE	
1703CE004	Advanced Geotechnical Engineering	3	-	-	3	40	60	100	PE	
PROFESSIONAL ELECTIVES – II										
1703CE005	Industrial Pollution Prevention and Cleaner Production	3	-	-	3	40	60	100	PE	
1703CE006	Solid Waste Management	3	-	-	3	40	60	100	PE	
1703CE007	Environmental Impact Assessment	3	-	-	3	40	60	100	PE	
1703CE008	Air Pollution Control And Management	3	-	-	3	40	60	100	PE	
PROFESSIONAL ELECTIVES – III										
1703CE009	Ground Water Engineering	3	-	-	3	40	60	100	PE	
1703CE010	Coastal Zone Management	3	-	-	3	40	60	100	PE	
1703CE011	Noise Pollution and Its Control	3	-	-	3	40	60	100	PE	
1703CE012	Advanced Waste Water Treatment Design	3	-	-	3	40	60	100	PE	
OPEN ELECTIVES – IV and VI										
1703CE029	Natural Disaster and Mitigation Management	3	0	0	3	40	60	100	OE	
1703CE030	Global Position System (GPS)	3	0	0	3	40	60	100	OE	
1703CE031	Renewable Sources of Energy	3	0	0	3	40	60	100	OE	
1703CE032	Global Warming and Climate Change	3	0	0	3	40	60	100	OE	
1703CE033	Water Pollution and Its Management	3	0	0	3	40	60	100	OE	
1703CE034	Energy Engineering Technology and Management	3	0	0	3	40	60	100	OE	
1703CE035	Soil Chemistry and Its Impact	3	0	0	3	40	60	100	OE	
1703CE036	Introduction to Transport Processes	3	0	0	3	40	60	100	OE	
PROFESSIONAL ELECTIVES – V										
1703CE013	Bridge Engineering	3	-	-	3	40	60	100	PE	
1703CE014	Finite Element Methods	3	-	-	3	40	60	100	PE	
1703CE015	Pre-Stressed Concrete	3	-	-	3	40	60	100	PE	
1703CE016	Advanced Structural Analysis	3	-	-	3	40	60	100	PE	
PROFESSIONAL ELECTIVES – VII										
1703CE017	Design Of Advanced Concrete Structures	3	-	-	3	40	60	100	PE	
1703CE018	Computer Analysis of Structures	3	-	-	3	40	60	100	PE	
1703CE019	Storage And Industrial Structures	3	-	-	3	40	60	100	PE	

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PRINCIPAL

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Department of Civil Engineering
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Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
1703CE020	Advanced Design and Construction of Pavements	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VIII									
1703CE021	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1703CE022	Tall Structures	3	-	-	3	40	60	100	PE
1703CE023	Contract Law and Regulations	3	-	-	3	40	60	100	PE
1703CE024	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – IX									
1703CE025	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
1703CE026	Construction Project Management	3	-	-	3	40	60	100	PE
1703CE027	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1703CE028	Natural Disaster Mitigation and Management	3	-	-	3	40	60	100	PE
EEC COURSES									
1704CE353	Technical Seminar - I	0	0	2	1	50	50	100	EEC
1704GE351	Life Skills: Soft skills	0	0	2	1	100	0	100	EEC
1704CE454	Technical Seminar - II	0	0	2	1	50	50	100	EEC
1704GE451	Life Skills: Verbal Ability	0	0	2	1	100	0	100	EEC
1704GE551	Life Skills: Aptitude - I	0	0	2	1	100	0	100	EEC
1704GE651	Life Skills: Aptitude - II	0	0	2	1	100	0	100	EEC
1704GE751	Competitive exams Preparation	2	0	0	2	100	0	100	EEC
1702CE754	In plant Training / Internship Presentation	0	0	0	1	-	-	-	EEC
1702CE851	Project	0	0	18	9	50	50	100	EEC
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC

List of CBCS/Electives Offered for / by M.E – Environmental Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modelling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modelling	3	-	-	3	40	60	100	PE
17EV003	Computing Techniques in Environmental Engineering	3	-	-	3	40	60	100	PE
17EV004	Environmental Biotechnology	3	-	-	3	40	60	100	PE
17EV005	Environmental Policies and Legislation	3	-	-	3	40	60	100	PE
17EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE
17EV007	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
17EV008	Membrane Technologies for Water and Waste Water Treatment	3	-	-	3	40	60	100	PE
17EV009	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE

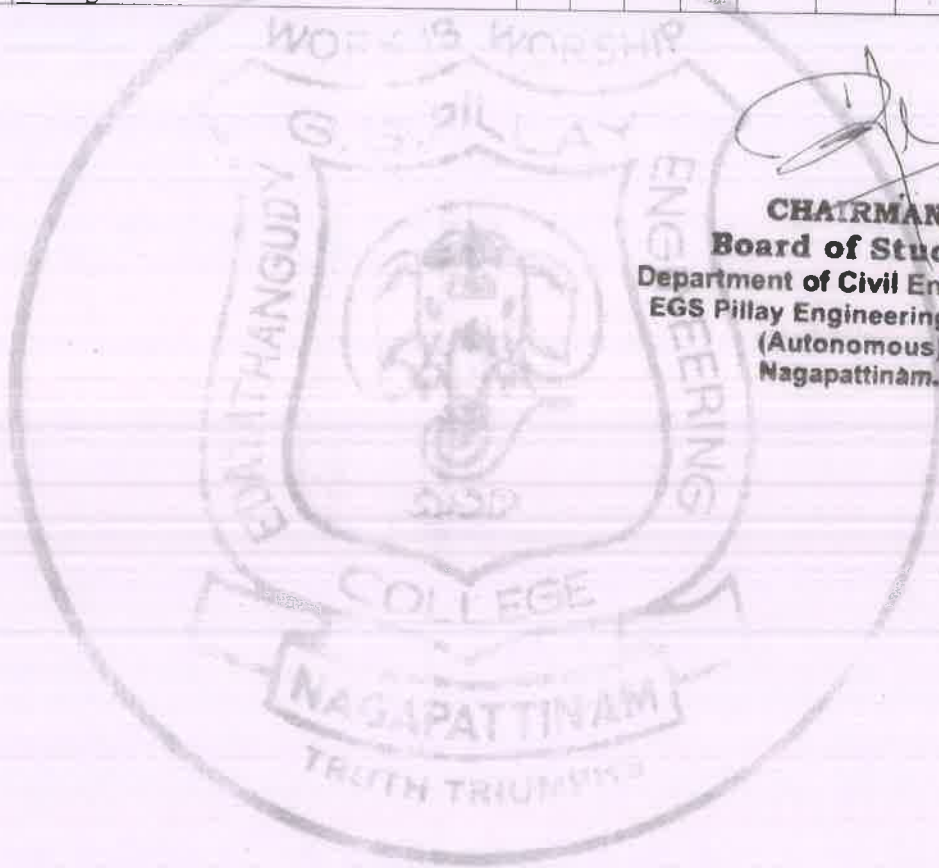
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Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV010	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
17EV011	Water Quality Modelling	3	-	-	3	40	60	100	PE
17EV012	Noise Pollution and Control Engineering	3	-	-	3	40	60	100	PE
17EV013	Operation and Maintenance of ETP Plants	3	-	-	3	40	60	100	PE
17EV014	Marine Pollution and Control	3	-	-	3	40	60	100	PE
17EV015	Environment, Health and Safety for Industries	3	-	-	3	40	60	100	PE
Open Electives									
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17EV021	Environmental Sociology	3	-	-	3	40	60	100	OE
17EV022	Environmental Instrumentation	3	-	-	3	40	60	100	OE
17EV023	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE



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[Signature]
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BOS Chairman - Civil



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Civil Engineering.
Names of the Programmes	B.E. Civil Engineering. M.E. Environmental Engineering.
Meeting No	02
Date & Time	21.04.2018 & 09.30 A.M.
Venue	CIVIL A/c Seminar Hall

The names of members present in the Board of Studies is given in Annexure – I

1. Chairman / BoS welcomed all members for the 2nd meeting of Board of Studies.
2. Chairman / BoS briefed the members about the Agenda.

- Discussion and action taken about previous BoS Meeting.
- To finalize the syllabi of B.E CIVIL Programme from third to eighth semester and M.E Environmental Engineering Programme from third to fourth semester.
- Any other matters.

3. The following are the suggestions given by the member of Board of Studies.

- The Board of Studies members have gone through the curriculum and syllabi of 3rd – 8th semester B.E CIVIL and 3rd to 4th semester M.E Environmental Engineering Programmes.

Under Graduate B.E Civil Engineering

Third Semester:

Mr.J.Raguraman/Industrial Expert suggested including the resource planning with building materials course would raise the industrial basis knowledge.

Dr.K.Pandurangan/External expert suggested to reduce the chain surveying theory part in surveying -I course as well suggest to include the topics about GIS/GPS.

Dr.R.Sathyanarayan Sridhar/ University Nominee explained about the importance of stress/strain measures in field, so as to include the stress/strain experiment in Strength of materials Lab

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Fourth Semester:

Mr.J.Raguraman/Industrial Expert explained the scope of surveyor in industry so he recommended the two point /three point problems in Surveying Lab.

Dr.R.Sathyanarayan Sridhar/ University Nominee suggest, including the thin cylinder, Torsion & spring content in Mechanics of solids II. -

Dr.K.Pandurangan/External Expert discussed about Numerical methods course, he says that course content should relate to the civil application problems.

Fifth Semester:

Mr.J.Raguraman/Industrial Expert explained about the importance of manual drawing and suggests changing syllabus by 30 % as manual and 70 % using software.

Dr.K.Pandurangan/External Expert explained about the importance of Report writing for technical seminars, survey camp and project works.

Dr.R.Sathyanarayan Sridhar/ University Nominee suggest that concrete structures I should be renamed as Design of Reinforced Concrete Elements and the brick masonry design should be included in it.

Sixth Semester

Dr.K.Pandurangan/External Expert suggests that concrete structures II should be renamed as Advanced Reinforced Concrete Elements and the deep beam, grid floors, bunkers, silos should be included in the syllabus.

✓ Mr.J.Raguraman/Industrial Expert suggests to add Subramaniam, Dayaratnam and Duggal author books in references for steel structures and also include the steel water tank design. Also he suggests including the design in water supply engineering.


All experts suggests that the suitable IS code books should be given in the reference for respective subjects.

Seventh Semester:

Mr.J.Raguraman/Industrial Expert suggests that the topics estimate of special structures, specifications and standards should be included.

All experts suggest increasing the domains in mini project III and remove the additional experiments in computer aided design and drafting lab and also rename it as computer aided structural design and drafting.

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.

Eighth Semester:

All experts suggested to add total quality & ISO and Environmental, Health & Safety courses as Electives.

Post Graduate: M.E:- Environmental Engineering

The BoS members suggest to rename the Unit process and Operations laboratory and also to check the continuity of syllabus of the courses.

4. **The following resolutions were passed**

- It is resolved to recommend the curriculum and syllabi of third to eighth semester of B.E CIVIL and third to fourth semester of M.E Environmental Engineering Programmes to the Academic Council for approval.

The Chairman, Board of Studies thanked all the members for their valuable suggestions and coordination.

Date: 21.04.2018

Place: EGSPEC, Nagapattinam

Chairman (BoS)

University Nominee

Subject Expert

Subject Expert.

Industry Expert

Alumni

Senior Faculty

ATTESTED

PRINCIPAL

Senior Faculty

Senior Faculty

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi. Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Civil Engineering

Date: 28.04.2018

Action Taken for BOS Meeting -2 (21.04.2018)

The Following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of third to eight semesters of B.E. Civil Engineering and M.E. Environmental Engineering to the Academic Council for approval and the syllabus was approved as presented in Academic council.
- It is resolved to recommend the syllabus for third to eight semester B.E. Civil Engineering and 1st to 4th Semesters M.E. Environmental Engineering to the academic Council for approval and the syllabus was approved as presented in Academic council.

As per the suggestion from experts include resource planning with building material course.

Some small corrections have been made in the following courses.

Surveying I

Strength of materials lab

Surveying lab

Mechanics of solids II

CAD lab


Concrete structures I and II

Unit process lab for ME ENV ENGG

List of New courses syllabus revised (as per 2017-18)

Course Code	Course Name	Change Details
1701PH101	Applied Physics for Engineers	Revision
1701CH103	Water Technology & Green Chemistry	Revision
1701GE104	Fundamentals of Mechanical Engineering	Revision
1704CE353	Technical Seminar - I	Revision
1704GE351	Life Skills: Soft skills	Revision
1704CE454	Technical Seminar - II	Revision
1704CE553	Mini Project I	Revision
1704GE551	Life Skills: Aptitude - I	Revision
1704GE651	Life Skills: Aptitude - II	Revision
1702CE653	Mini Project II	Revision
1702CE753	Mini Project III	Revision
17EV108	Communication Skills Lab I	Revision
17EV207	Communication Skills Lab II	Revision

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


CHAIRMAN

Board of Studies
BOS Chairman, Civil Engg
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

List of New courses Introduced (as per 2017-18)

Course Code	Course Name	Change Details
1701LE202	Language Elective	New course
1701GE451	Life Skills: Verbal Ability	New course
1702CE654	Industrial Visit / Presentation	New course
1704GE751	Competitive exams Preparation	New course
1702CE754	In plant Training / Internship Presentation	New course
17EV002	Climate Change and Modeling	New course
17EV202	Air Pollution Monitoring and Control	New course
17EV005	Environmental Policies and Legislation	New course
17EV208	Technical Seminar	New course

List of CBCS/Electives / offered by B.E. – Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
PROFESSIONAL ELECTIVES – I									
1703CE001	Remote Sensing And GIS	3	-	-	3	40	60	100	PE
1703CE002	Ground Improvement Techniques	3	-	-	3	40	60	100	PE
1703CE003	Soil Dynamics and Machine Foundation	3	-	-	3	40	60	100	PE
1703CE004	Advanced Geotechnical Engineering	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – II									
1703CE005	Industrial Pollution Prevention and Cleaner Production	3	-	-	3	40	60	100	PE
1703CE006	Solid Waste Management	3	-	-	3	40	60	100	PE
1703CE007	Environmental Impact Assessment	3	-	-	3	40	60	100	PE
1703CE008	Air Pollution Control and Management	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – III									
1703CE009	Ground Water Engineering	3	-	-	3	40	60	100	PE
1703CE010	Coastal Zone Management	3	-	-	3	40	60	100	PE
1703CE011	Noise Pollution and Its Control	3	-	-	3	40	60	100	PE
1703CE012	Advanced Waste Water Treatment Design	3	-	-	3	40	60	100	PE
OPEN ELECTIVES – IV and VI									
1703CE029	Natural Disaster and Mitigation Management	3	0	0	3	40	60	100	OE
1703CE030	Global Position System (GPS)	3	0	0	3	40	60	100	OE
1703CE031	Renewable Sources of Energy	3	0	0	3	40	60	100	OE
1703CE032	Global Warming and Climate Change	3	0	0	3	40	60	100	OE
1703CE033	Water Pollution and Its Management	3	0	0	3	40	60	100	OE
1703CE034	Energy Engineering Technology and Management	3	0	0	3	40	60	100	OE
1703CE035	Soil Chemistry and Its Impact	3	0	0	3	40	60	100	OE
1703CE036	Introduction to Transport Processes	3	0	0	3	40	60	100	OE
PROFESSIONAL ELECTIVES – V									
1703CE013	Bridge Engineering	3	-	-	3	40	60	100	PE
1703CE014	Finite Element Methods	3	-	-	3	40	60	100	PE
1703CE015	Pre-Stressed Concrete	3	-	-	3	40	60	100	PE
1703CE016	Advanced Structural Analysis	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VII									
1703CE017	Design Of Advanced Concrete Structures	3	-	-	3	40	60	100	PE

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Nagapattinam - 01, Tamil Nadu.

CHAIRMAN
BOS Chairman / Civil
Board of Studies


Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.


Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
1703CE018	Computer Analysis of Structures	3	-	-	3	40	60	100	PE
1703CE019	Storage And Industrial Structures	3	-	-	3	40	60	100	PE
1703CE020	Advanced Design and Construction of Pavements	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VIII									
1703CE021	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1703CE022	Tall Structures	3	-	-	3	40	60	100	PE
1703CE023	Contract Law and Regulations	3	-	-	3	40	60	100	PE
1703CE024	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – IX									
1703CE025	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
1703CE026	Construction Project Management	3	-	-	3	40	60	100	PE
1703CE027	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1703CE028	Natural Disaster Mitigation and Management	3	-	-	3	40	60	100	PE
EEC COURSES									
1704CE353	Technical Seminar - I	0	0	2	1	50	50	100	EEC
1704GE351	Life Skills: Soft skills	0	0	2	1	100	0	100	EEC
1704CE454	Technical Seminar - II	0	0	2	1	50	50	100	EEC
1704GE451	Life Skills: Verbal Ability	0	0	2	1	100	0	100	EEC
1704GE551	Life Skills: Aptitude - I	0	0	2	1	100	0	100	EEC
1704GE651	Life Skills: Aptitude - II	0	0	2	1	100	0	100	EEC
1704GE751	Competitive exams Preparation	2	0	0	2	100	0	100	EEC
1702CE754	In plant Training / Internship Presentation	0	0	0	1	-	-	-	EEC
1702CE851	Project	0	0	18	9	50	50	100	EEC
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC

List of CBCS/Electives Offered for / by M.E – Environmental Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modelling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modelling	3	-	-	3	40	60	100	PE
17EV003	Computing Techniques in Environmental Engineering	3	-	-	3	40	60	100	PE
17EV004	Environmental Biotechnology	3	-	-	3	40	60	100	PE
17EV005	Environmental Policies and Legislation	3	-	-	3	40	60	100	PE
17EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE
17EV007	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
17EV008	Membrane Technologies for Water and Waste Water Treatment	3	-	-	3	40	60	100	PE

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



CHAIRMAN
BOS, Chairman - Civil
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV009	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE
17EV010	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
17EV011	Water Quality Modelling	3	-	-	3	40	60	100	PE
17EV012	Noise Pollution and Control Engineering.	3	-	-	3	40	60	100	PE
17EV013	Operation and Maintenance of ETP Plants	3	-	-	3	40	60	100	PE
17EV014	Marine Pollution and Control	3	-	-	3	40	60	100	PE
17EV015	Environment, Health and Safety for Industries	3	-	-	3	40	60	100	PE
Open Electives									
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17EV021	Environmental Sociology	3	-	-	3	40	60	100	OE
17EV022	Environmental Instrumentation	3	-	-	3	40	60	100	OE
17EV023	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE


 CHAIRMAN

Board of Studies
 Department of Civil Engineering
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 Nagapattinam.

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002,
 Nagapattinam (Dt) Tamil Nadu.



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamil Nadu.

Minutes of Board of Studies(BoS) Meeting

Name of the Department	Civil Engineering
Name of the Programmes	B.E Civil Engineering M.E Environmental engineering
Meeting No.	03
Date & Time	20.05.2019 & 09.30AM
Venue	Civil A/C Seminar Hall

1. Chairman / BoS welcomed all members for the 3rd meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.

- Minutes of last meeting reviewed
- To finalize First to Eighth semester curriculum and syllabi for B.E – Civil Programme
- To finalize the open electives and one credit courses
- Any other matters.

4. The following are the suggestions given by the member of Board of Studies.

- Resolved not to combine the following the core subjects as one paper, instead to give it as two papers.
 - Survey – I & II
 - Structural analysis – I & II
 - Design of RCC structures - I & II

- Resolved that the students can select the subjects from open elective subjects listed or from MOOC & SWAYAM.

ATTESTED
[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
University Nominee
Nagapattinam (Dt) Tamil Nadu.

[Signature]
CHAIRMAN
Board of Studies
Department of Civil Engineering
E.G.S. Pillay Engineering College
(Autonomous)
Nagapattinam.
[Signature]
Subject Expert

[Signature]
Chairman (BoS) / CIVIL

[Signature]
Industry Expert

[Signature]
Senior Faculty

[Signature]
Alumni

[Signature]
Senior Faculty

[Signature]
Senior Faculty

[Signature]
Senior Faculty

- Resolved to add in the subject Natural Disaster and Mitigation Management in open elective.
- Resolved that the Ground water engineering and Hydrology to move as professional core and biology for engineers & Material science and Metallurgy as Professional elective.
- Suggested to provide more importance to the training oriented courses.
- Environmental engineering course should be renamed as Water & Waste water engineering.
- ^{Mini} Project (fabrication) should be removed from the curriculum.

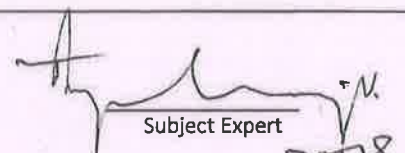
CHAIRMAN
Board of Studies
 Department of Civil Engineering
 EGS Pillay Engineering College
 (Autonomous)
 Nagapattinam.

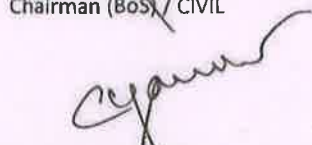
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi. Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

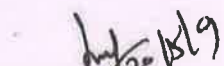

 Chairman (Bos) / CIVIL



 University Nominee


 Subject Expert



 Industry Expert


 Admini


 Senior Faculty


 Senior Faculty


 Senior Faculty


 Senior Faculty



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Civil Engineering

Date: 30.05.2019

Action Taken for BOS Meeting -3 (20.05.2019)

The Following resolutions were passed

- It is resolved to recommend the curriculum and syllabi for first to eight semesters of B.E. Civil Engineering of new regulations and M.E. Environmental Engineering to the Academic Council for approval and the syllabus was approved as presented in Academic council.
- It is resolved to recommend the syllabus for first to eight semester B.E. Civil Engineering of new regulation and 1st to 4th Semesters M.E. Environmental Engineering to the academic Council for approval and the syllabus was approved as presented in Academic council.

As per the suggestion from experts include resource planning with building material course.
Some small corrections have been made in the following courses.

Surveying I and II

Mechanics of solids II

Concrete structures I and II

Environmental Engineering

Mini Project


Ground water Engineering and Hydrology as core course.


Experts suggested to provide more importance to the training-oriented courses.

List of New courses syllabus revised (as per 2019 R)

Course Code	Course Name	Change Details
1901HS151	Communication skill	Revised
1901ENX01	English for Engineers	Revised
1902CE302	Fluid Mechanics and Machines	Revised
1902CE304	Engineering Surveying	Revised
1902CE351	Surveying Lab	Revised
1902CE401	Building Materials and Management	Revised
1904GE551	Life Skill III - Aptitude – I	Revised
1904GE651	Life Skill: Aptitude – II & GD	Revised
17EV108	Communication Skills Lab I	Revised
17EV207	Communication Skills Lab II	Revised

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


CHAIRMAN
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

List of New courses Introduced (as per 2019 R)

Course Code	Course Name	Change Details
1901PH101	Introduction to mechanics	New Course
1901GEX02	Engineering Graphics	New Course
1901GEX53	Basic Electrical & Electronics Engineering Lab	New Course
1901GE151	Engineering Intelligence I	New Course
1901GE201	Engineering Exploration	New Course
1901GE252	Engineering Intelligence II	New Course
1901CE405	Biology For Engineers	New Course
1902MCX02	Constitution Of India	New Course
1902CE553	Mini Project	New Course
1902MCX03	Essence of Indian Traditional Knowledge	New Course
1902CE603	Hydrology And Water Resources Engineering	New Course
1902CE604	Global Warming and Climate Change	New Course
1901MGX07	Universal Human Values and Ethics	New Course
1903CE033	Water Pollution and Management	New Course
1901HS002	Intellectual Property Rights for engineers	New Course
1901HS006	Design Thinking for Innovation	New Course
1904GE751	Life skills - Comprehensive Viva	New Course
17EV002	Climate Change and Modeling	New Course
17EV202	Air Pollution Monitoring and Control	New Course
17EV005	Environmental Policies and Legislation	New Course
17EV208	Technical Seminar	New Course

List of CBCS/Electives / offered by B.E. – Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
PROFESSIONAL ELECTIVES – I									
1903CE001	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
1903CE002	Ground Improvement Techniques	3	-	-	3	40	60	100	PE
1903CE003	Soil Dynamics and Machine Foundation	3	-	-	3	40	60	100	PE
1903CE004	Advanced Geotechnical Engineering	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – II									
1903CE005	Industrial Pollution Prevention and Cleaner Production	3	-	-	3	40	60	100	PE
1903CE006	Solid Waste Management	3	-	-	3	40	60	100	PE
1903CE007	Remote Sensing And GIS	3	-	-	3	40	60	100	PE
1903CE008	Air Pollution Control And Management	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – III									
1903CE009	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1903CE010	Construction Project Management	3	-	-	3	40	60	100	PE
1903CE011	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1903CE012	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
OPEN ELECTIVES									
1903CE031	Natural Disaster and Mitigation Management	3	-	-	3	40	60	100	OE

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.

E.G.S. Pillay Engineering College,
Thennampalayam, Nagapattinam - 605 002,
Nagapattinam (Dt) Tamil Nadu.

CHAIRMAN

Board of Studies

Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
1903CE032	Global Warming and Climate Change	3	-	-	3	40	60	100	OE
1903CE033	Water Pollution and Its Management	3	-	-	3	40	60	100	OE
1903CE034	Energy Engineering Technology and Management	3	-	-	3	40	60	100	OE
1903CE035	Renewable Sources of Energy	3	-	-	3	40	60	100	OE
1903CE036	Global Position System (GPS)	3	-	-	3	40	60	100	OE
1903CE037	Soil Chemistry and Its Impact	3	-	-	3	40	60	100	OE
1903CE038	Introduction to Transport Processes	3	-	-	3	40	60	100	OE
PROFESSIONAL ELECTIVES – IV									
1903CE013	Bridge Engineering	3	-	-	3	40	60	100	PE
1903CE014	Finite Element Methods	3	-	-	3	40	60	100	PE
1903CE015	Pre-Stressed Concrete	3	-	-	3	40	60	100	PE
1903CE016	Advanced Structural Analysis	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – V									
1903CE017	Ground water Engineering	3	-	-	3	40	60	100	PE
1903CE018	Material Science and metallurgy	3	-	-	3	40	60	100	PE
1903CE019	Coastal Zone Management	3	-	-	3	40	60	100	PE
1903CE020	Environmental Impact Assessment	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VIII									
1703CE021	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1703CE022	Tall Structures	3	-	-	3	40	60	100	PE
1703CE023	Contract Law and Regulations	3	-	-	3	40	60	100	PE
1703CE024	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – IX									
1703CE025	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
1703CE026	Construction Project Management	3	-	-	3	40	60	100	PE
1703CE027	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1703CE028	Natural Disaster Mitigation and Management	3	-	-	3	40	60	100	PE
EEC COURSES									
1904GE351	Life Skills: Verbal Ability	0	0	2	1	100	-	100	EEC
1904GE451	Life Skills: Verbal Reasoning	0	0	2	1	100	-	100	EEC
1902CE553	Mini Project	0	0	2	1	50	50	100	EEC
1904GE551	Life Skill III - Aptitude – I	0	0	2	1	100	-	100	EEC
1904GE651	Life Skill: Aptitude – II & GD	0	0	2	1	100	-	100	EEC
1904GE751	Life skills - Comprehensive Viva	2	0	0	2	100	-	100	EEC
1702CE851	Project	0	0	18	9	50	50	100	EEC
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC

ATTESTED


Dr. S. RANJITH, M. Sc. Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam.


CHAIRMAN

Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

List of CBCS/Electives Offered for / by M.E – Environmental Engineering (As per R2017)

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modelling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modelling	3	-	-	3	40	60	100	PE
17EV003	Computing Techniques in Environmental Engineering	3	-	-	3	40	60	100	PE
17EV004	Environmental Biotechnology	3	-	-	3	40	60	100	PE
17EV005	Environmental Policies and Legislation	3	-	-	3	40	60	100	PE
17EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE
17EV007	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
17EV008	Membrane Technologies for Water and Waste Water Treatment	3	-	-	3	40	60	100	PE
17EV009	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE
17EV010	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
17EV011	Water Quality Modelling	3	-	-	3	40	60	100	PE
17EV012	Noise Pollution and Control Engineering	3	-	-	3	40	60	100	PE
17EV013	Operation and Maintenance of ETP Plants	3	-	-	3	40	60	100	PE
17EV014	Marine Pollution and Control	3	-	-	3	40	60	100	PE
17EV015	Environment, Health and Safety for Industries	3	-	-	3	40	60	100	PE
Open Electives									
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17EV021	Environmental Sociology	3	-	-	3	40	60	100	OE
17EV022	Environmental Instrumentation	3	-	-	3	40	60	100	OE
17EV023	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE

ATTESTED

S. Ramabalan
S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

S. Ramabalan
CHAIRMAN

Board of Studies
Department of Civil Engineering
E.G.S. Pillay Engineering College
(Autonomous)
Nagapattinam.

BOS Chairman - Civil



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Nagore Post, Nagapattinam – 611 002, Tamil Nadu.

Minutes of Board of Studies (BoS) Meeting


Name of the Department	Civil Engineering
Name of the Programmes	B.E Civil Engineering
Meeting No.	04
Date & Time	19.06.2020 & 11.00 A.M.
Venue	Online Mode - Google Meets Room


1. Chairman / BoS welcomed all members for the 4th meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS review the contents of 3rd BOS meeting.
4. Chairman / BoS briefed the members about the Agenda.


- To finalize the curriculum and syllabi of 3rd & 4th Semester in B.E - Civil Engineering and 1st & 2nd Semester in M. E – Environmental Engineering.
- Other matters.


5. The following are the suggestions given by the members of Board of Studies in curriculum.

- Group of electives should be maintained in **specific domains and dispersed with equal weights.**
- Water supply Engineering and waste water engineering may be provided as **two core subjects.**
- Based on the **course outcomes** divisions of units/modules to be provided.
- Give priority for providing the course coordinator for the course **Biology for Engineers.**


CHAIRMAN
Chairman (BoS) / Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

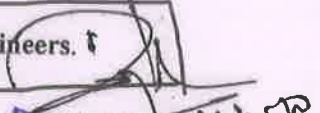

Industry Expert


Senior Faculty

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
University Nominee
Nagapattinam (Dt) Tamil Nadu.


Alumni


Senior Faculty


CHAIRMAN
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

Subject Expert


Senior Faculty


Senior Faculty

B.E Civil Engineering

III - Semester:


1. Engineering Survey— Course title as **Engineering surveying**.
First two units may be merged as one unit and introduced a new unit with **theodolite surveying**.
2. Fluid mechanics and machines --- Course title as **Fluid mechanics and machineries**.
3. Fluid mechanics and machines lab --- Course title as **Hydraulics and hydraulics machineries lab**.
4. It is good the subject "Biology for Engineers" in the curriculum.

IV - Semester:

1. Building materials and management---As per the content framed the course title as **Building materials and construction**.
2. Soil mechanics---In the first unit instead of introduction, module title as **soil and its characterization**.
3. Transportation engineering---One additional module should be included as **Railways and airport** without reducing any other content.
4. Engineering mathematics---The specified title should be as Engineering mathematics III.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi. Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


Chairman - BOS Civil
(Dr.R.Sivakumar)
CHAIRMAN
Board of Studies
Department of Civil Engineering
E.G.S Pillay Engineering College
(Autonomous)
Nagapattinam.

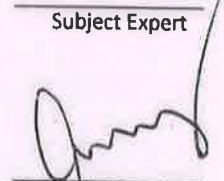

CHAIRMAN
Board of Studies
Department of Civil Engineering
E.G.S Pillay Engineering College
(Autonomous)
Nagapattinam.

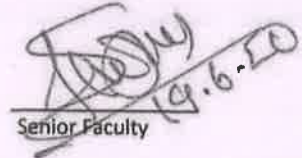
Industry Expert


University Nominee

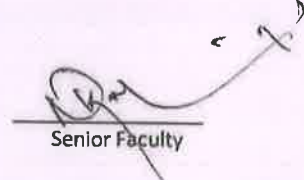

Alumni

Subject Expert


Senior Faculty


Senior Faculty


Senior Faculty


Senior Faculty




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Nagore Post, Nagapattinam – 611 002, Tamilnadu.

Department of Civil

Board of Studies Meeting

Attendance

Name of the Department : Civil Engineering
Meeting No : 04
Date & Time : 19/06/2020 & 11 A.M
Venue : Online Mode - Google Meets Room

Sl.No.	Name	Category	Signature
1	Dr.R.SIVAKUMAR Professor Department of Civil Engineering E.G.S.Pillay Engineering College Nagapattinam – 611 002 E-mail: hodcivil@egspec.org Mobile: 9443533554	Chairman	 Chairman Board of Studies Department of Civil Engineering EGS Pillay Engineering College (Autonomous) Nagapattinam.
2	Dr.M.IBRAHIM BATHUSHA Professor Department of Civil Engineering P.S.G.College of technology Coimbatore E-mail: mib@civ.psgtech.ac.in Mobile: 7339016337	University Nominee	
3	Dr.V.ARUTCHELVAN Professor & Head Department of civil engineering Annamalai university Chidambaram – 608 002 E-mail: arul.au@gmail.com Mobile: 9994773966	External Expert Members	


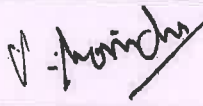



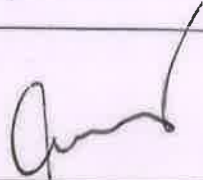
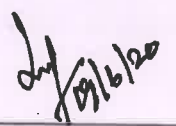

ACCEPTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S Pillay Engineering College,


Thethi Nagore - 611 002,

Nagapattinam (Dt) Tamil Nadu.

Sl.No.	Name	Category	Signature
4	Dr.K.MUTHUKUMARAN Professor Department of civil engineering NITT, Trichy. E-mail: kmk@nitt.edu Mobile: 9443651836	External Expert Members	
5	Mr.J.RAGHURAMAN Sr.Manager – Skills Training L&T Construction Skill Training, Chennai E-mail: jraguraman@intecc.com Mobile: 9943247482	Industry / Corporate Sector	
6	Ms.V.MONISHA E.G.S Pillay polytechnic college Nagapattinam	Alumnus	
7	Mrs.P.MALLIGA Associate Professor E-mail: malraj.ua@gmail.com Mobile:9443811782	Internal Members	
8	Ms.R.NEELAVENI Assistant Professor E-mail: neelavenibavi@gmail.com Mobile: 9047758788		
9	Mr.V.BALASUBRAMANI Associate Professor E-mail: tvrvedha@gmail.com Mobile: 9443786514		
10	Mr.S.SHYAM SUNDAR Assistant Professor E-mail: shyamegspec@gmail.com Mobile: 9159593377		
11	Mr.G.PRAKASH Assistant Professor E-mail: pra.kv180@gmail.com Mobile: 9003950402		
12	Ms.N.KARTHIKA Assistant Professor E-mail: nkarthika20@gmail.com Mobile: 8883628018		

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


14.6.20
Chairman – BoS (CIVIL)
CHAIRMAN
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.



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Nagore Post, Nagapattinam – 611 002, Tamilnadu.



Department of Civil Engineering
Board of Studies (BoS) Members
Meeting 4 (online)

Sl.No.	Name	Category
1	Dr.R.SIVAKUMAR Professor Department of Civil Engineering E.G.S.Pillay Engineering College Nagapattinam – 611 002 E-mail: hodcivil@egspec.org Mobile: 9443533554	Chairman
2	Dr.M.IBRAHIM BATHUSHA Professor Department of Civil Engineering P.S.G.College of technology Coimbatore E-mail: mib@civ.psgtech.ac.in Mobile: 7339016337	University Nominee
3	Dr.V.ARUTCHELVAN Professor & Head Department of civil engineering Annamalai university Chidambaram – 608 002 E-mail: arul.au@gmail.com Mobile: 9994773966	External Expert Members
4	Dr.K.MUTHUKUMARAN Professor Department of civil engineering NITT, Trichy. E-mail: kmk@nitt.edu Mobile: 9443651836	
5	Mr.J.RAGHURAMAN Sr.Manager – Skills Training L&T Construction Skill Training Chennai Residence : Flat no 1D, Udaya Nagar Main Road Porur, Chennai- 600 116 E-mail: jraguraman@intecc.com Mobile: 9943247482	Industry / Corporate Sector
6	Ms.V.MONISHA E.G.S Pillay polytechnic college Nagapattinam	Alumnus

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

7	Mrs.P.MALLIGA Associate Professor E-mail: malraj.ua@gmail.com Mobile:9443811782	Internal Members
8	Ms.R.NEELAVENI Assistant Professor E-mail: neelavenibavi@gmail.com Mobile: 9047758788	
9	Mr.V.BALASUBRAMANI Associate Professor E-mail: tvrvedha@gmail.com Mobile: 9443786514	
10	Mr.S.SHYAM SUNDAR Assistant Professor E-mail: shyamegspec@gmail.com Mobile: 9159593377	
11	Mr.G.PRAKASH Assistant Professor E-mail: pra.kv180@gmail.com Mobile: 9003950402	
12	Ms.N.KARTHIKA Assistant Professor E-mail: nkarthika20@gmail.com Mobile: 8883628018	

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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu;



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Civil Engineering

Date: 25.06.2020

Action Taken for BOS Meeting -4 (19.06.2020)

The Following resolutions were passed

- It is resolved to recommend the syllabus for first to eight semester B.E. Civil Engineering of new regulation and 1st to 4th Semesters M.E. Environmental Engineering to the academic Council for approval and the syllabus was approved as presented in Academic council.

As per the suggestion from experts include resource planning with building material course.
Some small corrections and suggestions have been made in the following courses.


Specific domains for elective courses
Water supply Engineering
Based on the COs modules to be provided.
More priority for Biology for Engineers
Engineering Surveying
Fluid Mechanics and Machineries
Soil mechanics
Building materials and Constructions

Experts suggested to provide more importance to the training-oriented courses.

List of New courses syllabus revised (as per 2019 R – 2019-20)

Course Code	Course Name	Change Details
1901HS151	Communication skill	Revised
1901ENX01	English for Engineers	Revised
1902CE302	Fluid Mechanics and Machines	Revised
1902CE304	Engineering Surveying	Revised
1902CE351	Surveying Lab	Revised
1902CE401	Building Materials and Management	Revised
1904GE551	Life Skill III - Aptitude – I	Revised
1904GE651	Life Skill: Aptitude – II & GD	Revised
17EV108	Communication Skills Lab I	Revised
17EV207	Communication Skills Lab II	Revised

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


CHAIRMAN 25/6/20
Board of Studies Civil
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

List of New courses Introduced (as per 2019 R – 2019-20)

Course Code	Course Name	Change Details
1901PH101	Introduction to mechanics	New Course
1901GEX02	Engineering Graphics	New Course
1901GEX53	Basic Electrical & Electronics Engineering Lab	New Course
1901GE151	Engineering Intelligence I	New Course
1901GE201	Engineering Exploration	New Course
1901GE252	Engineering Intelligence II	New Course
1901CE405	Biology For Engineers	New Course
1902MCX02	Constitution Of India	New Course
1902CE553	Mini Project	New Course
1902MCX03	Essence of Indian Traditional Knowledge	New Course
1902CE603	Hydrology And Water Resources Engineering	New Course
1902CE604	Global Warming and Climate Change	New Course
1901MGX07	Universal Human Values and Ethics	New Course
1903CE033	Water Pollution and Management	New Course
1901HS002	Intellectual Property Rights for engineers	New Course
1901HS006	Design Thinking for Innovation	New Course
1904GE751	Life skills - Comprehensive Viva	New Course
17EV002	Climate Change and Modeling	New Course
17EV202	Air Pollution Monitoring and Control	New Course
17EV005	Environmental Policies and Legislation	New Course
17EV208	Technical Seminar	New Course

List of CBCS/Electives / offered by B.E. – Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CA	ES	Total		
PROFESSIONAL ELECTIVES – I										
1903CE001	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE	
1903CE002	Ground Improvement Techniques	3	-	-	3	40	60	100	PE	
1903CE003	Soil Dynamics and Machine Foundation	3	-	-	3	40	60	100	PE	
1903CE004	Advanced Geotechnical Engineering	3	-	-	3	40	60	100	PE	
PROFESSIONAL ELECTIVES – II										
1903CE005	Industrial Pollution Prevention and Cleaner Production	3	-	-	3	40	60	100	PE	
1903CE006	Solid Waste Management	3	-	-	3	40	60	100	PE	
1903CE007	Remote Sensing And GIS	3	-	-	3	40	60	100	PE	
1903CE008	Air Pollution Control and Management	3	-	-	3	40	60	100	PE	
PROFESSIONAL ELECTIVES – III										
1903CE009	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE	
1903CE010	Construction Project Management	3	-	-	3	40	60	100	PE	
1903CE011	Architecture And Town Planning	3	-	-	3	40	60	100	PE	
1903CE012	Traffic Engineering and Management	3	-	-	3	40	60	100	PE	
OPEN ELECTIVES										
1903CE031	Natural Disaster and Mitigation Management	3	-	-	3	40	60	100	OE	
1903CE032	Global Warming and Climate Change	3	-	-	3	40	60	100	OE	
1903CE033	Water Pollution and Its Management	3	-	-	3	40	60	100	OE	

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

[Signature]
CHAIRMAN
BOS Chairman - Civil
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
1903CE034	Energy Engineering Technology and Management	3	-	-	3	40	60	100	OE
1903CE035	Renewable Sources of Energy	3	-	-	3	40	60	100	OE
1903CE036	Global Position System (GPS)	3	-	-	3	40	60	100	OE
1903CE037	Soil Chemistry and Its Impact	3	-	-	3	40	60	100	OE
1903CE038	Introduction to Transport Processes	3	-	-	3	40	60	100	OE
PROFESSIONAL ELECTIVES – IV									
1903CE013	Bridge Engineering	3	-	-	3	40	60	100	PE
1903CE014	Finite Element Methods	3	-	-	3	40	60	100	PE
1903CE015	Pre-Stressed Concrete	3	-	-	3	40	60	100	PE
1903CE016	Advanced Structural Analysis	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – V									
1903CE017	Ground water Engineering	3	-	-	3	40	60	100	PE
1903CE018	Material Science and metallurgy	3	-	-	3	40	60	100	PE
1903CE019	Coastal Zone Management	3	-	-	3	40	60	100	PE
1903CE020	Environmental Impact Assessment	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VIII									
1703CE021	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1703CE022	Tall Structures	3	-	-	3	40	60	100	PE
1703CE023	Contract Law and Regulations	3	-	-	3	40	60	100	PE
1703CE024	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – IX									
1703CE025	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
1703CE026	Construction Project Management	3	-	-	3	40	60	100	PE
1703CE027	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1703CE028	Natural Disaster Mitigation and Management	3	-	-	3	40	60	100	PE
EEC COURSES									
1904GE351	Life Skills: Verbal Ability	0	0	2	1	100	-	100	EEC
1904GE451	Life Skills: Verbal Reasoning	0	0	2	1	100	-	100	EEC
1902CE553	Mini Project	0	0	2	1	50	50	100	EEC
1904GE551	Life Skill III - Aptitude – I	0	0	2	1	100	-	100	EEC
1904GE651	Life Skill: Aptitude – II & GD	0	0	2	1	100	-	100	EEC
1904GE751	Life skills - Comprehensive Viva	2	0	0	2	100	-	100	EEC
1702CE851	Project	0	0	18	9	50	50	100	EEC
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


CHAIRMAN

Board of Studies

Department of Civil Engineering
BOS Chairman, Civil
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

List of CBCS/Electives Offered for / by M.E – Environmental Engineering (As per R2017)

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modelling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modelling	3	-	-	3	40	60	100	PE
17EV003	Computing Techniques in Environmental Engineering	3	-	-	3	40	60	100	PE
17EV004	Environmental Biotechnology	3	-	-	3	40	60	100	PE
17EV005	Environmental Policies and Legislation	3	-	-	3	40	60	100	PE
17EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE
17EV007	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
17EV008	Membrane Technologies for Water and Waste Water Treatment	3	-	-	3	40	60	100	PE
17EV009	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE
17EV010	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
17EV011	Water Quality Modelling	3	-	-	3	40	60	100	PE
17EV012	Noise Pollution and Control Engineering	3	-	-	3	40	60	100	PE
17EV013	Operation and Maintenance of ETP Plants	3	-	-	3	40	60	100	PE
17EV014	Marine Pollution and Control	3	-	-	3	40	60	100	PE
17EV015	Environment, Health and Safety for Industries	3	-	-	3	40	60	100	PE
Open Electives									
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17EV021	Environmental Sociology	3	-	-	3	40	60	100	OE
17EV022	Environmental Instrumentation	3	-	-	3	40	60	100	OE
17EV023	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi. Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

[Signature]
CHAIRMAN
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
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BOS Chairman - Civil



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Nagore Post, Nagapattinam – 611 002, Tamil Nadu.

Minutes of Board of Studies(BoS) Meeting

Name of the Department	Civil Engineering
Name of the Programmes	B.E Civil Engineering
Meeting No.	05
Date & Time	9.03.2021& 12.00 Noon
Venue	Online Mode - Google Meets Room

1. Chairman / BoS welcomed all members for the 5th meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS review the contents of 4th BOS meeting.
4. Chairman / BoS briefed the members about the Agenda.

- To finalize the curriculum and syllabi of 5,6,7 and 8th Semester including laboratory equipment's and industry related courses in B.E - Civil Engineering
- Other matters.


5. The following are the suggestions given by the members of Board of Studies in curriculum and syllabus:

- Group of electives should be maintained in **specific domains and dispersed with equal weights.**
- It is seems to be number of courses in third semester are more when compared with other semesters. It may be dispersed conveniently.
- Water supply Engineering and waste water engineering may be provided as **two core subjects**, or otherwise the basics of both subjects eliminated and included all other important with design aspects.
- It is suggested and advisable for **providing more weightage for laboratory courses than theory.**

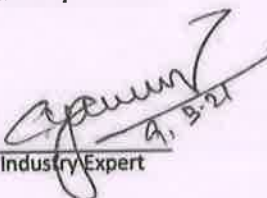
ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu. Subject Expert



Chairman (BoS) **CHAIRMAN**
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.
Subject Expert


University Nominee


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

- Total credits may be increased such that **no important courses should be avoided.**
- It is better the name of elective courses should not be enter in the curriculum hence **cannot choose themselves by students.**
- The objectives of all courses should be clearly mentioned.

• Suggested to separate Fluid mechanics and applied Hydraulics into two separated courses, or otherwise open channel flow, fluid mechanics and machineries should be included.

- It should be considered at least one unit as an application oriented module so that it may be very much useful for placement for the students.
- Give uniformity for all courses for providing course objectives as course outcomes.
- By merging Surveying as a single course, **few of the topics have been omitted.** Surveying as an important course for civil Engineering programme. It is preferred all topics are to be included.
- All the experiments of each laboratory courses should be uniformly framed.
- Minimum 2 to 3 text books for reference should be included in all courses.
- Minimum 4 to 5 reference books should be included in all courses.

• It is observed that the course “Essence of Indian traditional knowledge” is not taken by a single course coordinator even it is a mandatory and have no credit. It is preferable and suggested that the students may collect all the details regarding that course and submitted as a record.

- The course titles “Design of RC structures I&II” may be changed as Design of RC elements and Advanced concrete structures for impressive and easy to understand.

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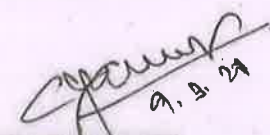

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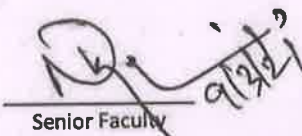
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- The content of the open elective course "Global Warming and Climate Change" should be verified and corrected in all units.

- It is suggested that the course "Repair and Rehabilitation of structures" is to be included as a core course instead of elective course. And discussed that core courses may be added such that professional ethics may be considered as a Humanities management courses.

- **Notches and weirs experiment** may be included in the fluid mechanics and machineries lab.

- **Application and usage of software** may be included in quantity surveying and estimation course.

- **Architecture and town planning** is very much important for civil engineering students hence it may include as a mandatory core course.

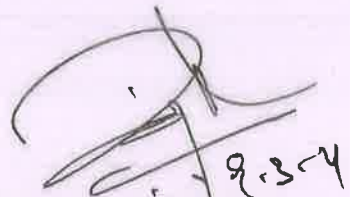
- For design courses the name of **IS codes** should be provided as reference.

- All the courses should be verified with credit distribution, Module uniformity, objectives and course outcomes.

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Meeting 2 (online) - 09.03.2021

Sl. No.	Name	Category
1	DRASIVANAN Professor Department of Civil Engineering E.G.S Pillay Engineering College Nagapattinam - 611 002 Email: sakti@egsps.ac.in Mobile: 9442111154	Chairman
2	Dr. MURUGANATHAN Professor Department of Civil Engineering P.S.G. College of Technology Cuddalore E. Mail: muthu@psgpcet.ac.in Mobile: 9220111111	Executive Member
3	Dr. V. SURESH KANNAN Professor & Head Department of Civil Engineering Sri Lanka Technological College	

Participants: Raguraman..., Veera arut c..., Dr Ibrahim B..., Karthika N..., siva kumar, Karthika N..., N.R.Vetha..., Balasubram...

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Board of Studies (BoS) Members
Meeting 5 (Online) - 09.03.2021

S.No.	Name	Category
1	Dr.R.S.PANUMAR Professor Department of Civil Engineering E.G.S Pillay Engineering College Nagapattinam - 611002 Email: 306422@egs.ac.in Mobile: 984319754	Chairman
2	Dr.VIRAJANATHAN SIVA Professor Department of Civil Engineering E.G.S Pillay Engineering College Nagapattinam Email: 306422@egs.ac.in Mobile: 984319754	University Member
3	Dr.V. SURESHKANNAN Professor & Head Department of Civil Engineering Anna University Chennai	

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Final Year Fifth Semester

Course Code	Course Name	L	T	P	C	Maximum Marks
Theory Course						
	Pre-Stress Concrete (PC Elements)	1	3	6	1	50
	Crack Control (Discontinuous PC Elements)	1	3	9	3	60
Laboratory Course						
	Project Work	0	3	18	1	100

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People (13)

- Karthika N
- Karthika N
- muthukumaran kasinat
- N.R.Vetha moorthy
- Raguraman JA. Srimali
- siva kumar
- Veera arut chelvan
- Veera arut chelvan

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You

Final Year - Seventh Semester

Course Code	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Theory Course								
EEEN301	Engineering Mechanics	2	0	1	45	30	100	
EEEN302	Engineering Ecology	1	0	1	40	90	100	
EEEN303	Final Seminars and Modules	1	0	1	40	90	100	
EEEN304	Strength of Materials	2	0	1	50	100		
EEEN305	Electronics Technology	2	0	1	50	100		
Laboratory Course								
EEEN306	Engineering Lab	0	0	2	10	100		
EEEN307	Strength of Materials Lab	0	0	2	10	100		
EEEN308	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN309	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN310	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN311	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN312	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN313	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN314	Final Seminars and Modules Lab	0	0	2	10	100		
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EEEN319	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN320	Final Seminars and Modules Lab	0	0	2	10	100		
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EEEN399	Final Seminars and Modules Lab	0	0	2	10	100		
EEEN400	Final Seminars and Modules Lab	0	0	2	10	100		

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Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Civil Engineering

Date: 16.03.2021

Action Taken for BOS Meeting -5 (09.03.2021)

The Following resolutions were passed

- It is resolved to recommend the syllabus for first to eight semester B.E. Civil Engineering of new regulation and 1st to 4th Semesters M.E. Environmental Engineering to the academic Council for approval and the syllabus was approved as presented in Academic council.

As per the suggestion from experts include resource planning with building material course.
General discussion and suggestions have been made as per the following.

- Specific domains for elective courses
- Provide more weightage for laboratories
- No important courses should not be avoided
- Fluid mechanics and applied hydraulics to be separated into 2 courses
- Provide text books for reference

Experts suggested to provide more importance to the training-oriented courses.

List of New courses syllabus revised (as per 2019 R – 2019-20)

Course Code	Course Name	Change Details
1901HS151	Communication skill	Revised
1901ENX01	English for Engineers	Revised
1902CE302	Fluid Mechanics and Machines	Revised
1902CE304	Engineering Surveying	Revised
1902CE351	Surveying Lab	Revised
1902CE401	Building Materials and Management	Revised
1904GE551	Life Skill III - Aptitude – I	Revised
1904GE651	Life Skill: Aptitude – II & GD	Revised
17EV108	Communication Skills Lab I	Revised
17EV207	Communication Skills Lab II	Revised

List of New courses Introduced (as per 2019 R – 2019-20)

Course Code	Course Name	Change Details
1901PH101	Introduction to mechanics	New Course
1901GEX02	Engineering Graphics	New Course
1901GEX53	Basic Electrical & Electronics Engineering Lab	New Course
1901GE151	Engineering Intelligence I	New Course

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1901GE201	Engineering Exploration	New Course
1901GE252	Engineering Intelligence II	New Course
1901CE405	Biology For Engineers	New Course
1902MCX02	Constitution Of India	New Course
1902CE553	Mini Project	New Course
1902MCX03	Essence of Indian Traditional Knowledge	New Course
1902CE603	Hydrology And Water Resources Engineering	New Course
1902CE604	Global Warming and Climate Change	New Course
1901MGX07	Universal Human Values and Ethics	New Course
1903CE033	Water Pollution and Management	New Course
1901HS002	Intellectual Property Rights for engineers	New Course
1901HS006	Design Thinking for Innovation	New Course
1904GE751	Life skills - Comprehensive Viva	New Course
17EV002	Climate Change and Modeling	New Course
17EV202	Air Pollution Monitoring and Control	New Course
17EV005	Environmental Policies and Legislation	New Course
17EV208	Technical Seminar	New Course

List of CBCS/Electives / offered by B.E. – Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
PROFESSIONAL ELECTIVES – I									
1903CE001	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
1903CE002	Ground Improvement Techniques	3	-	-	3	40	60	100	PE
1903CE003	Soil Dynamics and Machine Foundation	3	-	-	3	40	60	100	PE
1903CE004	Advanced Geotechnical Engineering	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – II									
1903CE005	Industrial Pollution Prevention and Cleaner Production	3	-	-	3	40	60	100	PE
1903CE006	Solid Waste Management	3	-	-	3	40	60	100	PE
1903CE007	Remote Sensing And GIS	3	-	-	3	40	60	100	PE
1903CE008	Air Pollution Control and Management	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – III									
1903CE009	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1903CE010	Construction Project Management	3	-	-	3	40	60	100	PE
1903CE011	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1903CE012	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
OPEN ELECTIVES									
1903CE031	Natural Disaster and Mitigation Management	3	-	-	3	40	60	100	OE
1903CE032	Global Warming and Climate Change	3	-	-	3	40	60	100	OE
1903CE033	Water Pollution and Its Management	3	-	-	3	40	60	100	OE
1903CE034	Energy Engineering Technology and Management	3	-	-	3	40	60	100	OE
1903CE035	Renewable Sources of Energy	3	-	-	3	40	60	100	OE
1903CE036	Global Position System (GPS)	3	-	-	3	40	60	100	OE
1903CE037	Soil Chemistry and Its Impact	3	-	-	3	40	60	100	OE
1903CE038	Introduction to Transport Processes	3	-	-	3	40	60	100	OE
PROFESSIONAL ELECTIVES – IV									

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PRINCIPAL
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Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
1903CE013	Bridge Engineering	3	-	-	3	40	60	100	PE
1903CE014	Finite Element Methods	3	-	-	3	40	60	100	PE
1903CE015	Pre-Stressed Concrete	3	-	-	3	40	60	100	PE
1903CE016	Advanced Structural Analysis	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – V									
1903CE017	Ground water Engineering	3	-	-	3	40	60	100	PE
1903CE018	Material Science and metallurgy	3	-	-	3	40	60	100	PE
1903CE019	Coastal Zone Management	3	-	-	3	40	60	100	PE
1903CE020	Environmental Impact Assessment	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VIII									
1703CE021	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1703CE022	Tall Structures	3	-	-	3	40	60	100	PE
1703CE023	Contract Law and Regulations	3	-	-	3	40	60	100	PE
1703CE024	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – IX									
1703CE025	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
1703CE026	Construction Project Management	3	-	-	3	40	60	100	PE
1703CE027	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1703CE028	Natural Disaster Mitigation and Management	3	-	-	3	40	60	100	PE
EEC COURSES									
1904GE351	Life Skills: Verbal Ability	0	0	2	1	100	-	100	EEC
1904GE451	Life Skills: Verbal Reasoning	0	0	2	1	100	-	100	EEC
1902CE553	Mini Project	0	0	2	1	50	50	100	EEC
1904GE551	Life Skill III - Aptitude – I	0	0	2	1	100	-	100	EEC
1904GE651	Life Skill: Aptitude – II & GD	0	0	2	1	100	-	100	EEC
1904GE751	Life skills - Comprehensive Viva	2	0	0	2	100	-	100	EEC
1702CE851	Project	0	0	18	9	50	50	100	EEC
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC

List of CBCS/Electives Offered for / by M.E – Environmental Engineering (As per R2017)


Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modelling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modelling	3	-	-	3	40	60	100	PE
17EV003	Computing Techniques in Environmental Engineering	3	-	-	3	40	60	100	PE
17EV004	Environmental Biotechnology	3	-	-	3	40	60	100	PE
17EV005	Environmental Policies and Legislation	3	-	-	3	40	60	100	PE
17EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE

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Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV007	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
17EV008	Membrane Technologies for Water and Waste Water Treatment	3	-	-	3	40	60	100	PE
17EV009	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE
17EV010	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
17EV011	Water Quality Modelling	3	-	-	3	40	60	100	PE
17EV012	Noise Pollution and Control Engineering	3	-	-	3	40	60	100	PE
17EV013	Operation and Maintenance of ETP Plants	3	-	-	3	40	60	100	PE
17EV014	Marine Pollution and Control	3	-	-	3	40	60	100	PE
17EV015	Environment, Health and Safety for Industries	3	-	-	3	40	60	100	PE
Open Electives									
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17EV021	Environmental Sociology	3	-	-	3	40	60	100	OE
17EV022	Environmental Instrumentation	3	-	-	3	40	60	100	OE
17EV023	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE


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BOS Chairman - Civil




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Department of Civil


Board of Studies Meeting


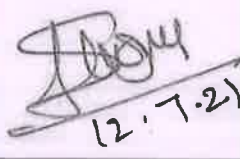
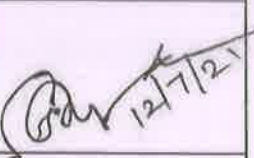
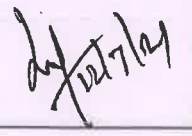
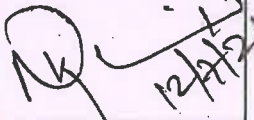
Attendance

Name of the Department : Civil Engineering
Meeting No : 06
Date & Time : 12/07/2021 & 11 A.M
Venue : Online Mode - Google Meets Room

Sl.No.	Name	Category	Signature
1	Dr.R.SIVAKUMAR Professor Department of Civil Engineering E.G.S.Pillay Engineering College Nagapattinam – 611 002 E-mail: hodcivil@egspec.org Mobile: 9443533554	Chairman	 CHAIRMAN Board of Studies Department of Civil Engineering EGS Pillay Engineering College (Autonomous) Nagapattinam.
2	Dr.M.IBRAHIM BATHUSHA Professor Department of Civil Engineering P.S.G.College of technology Coimbatore E-mail: mib@civ.psgtech.ac.in Mobile: 7339016337	University Nominee	
3	Dr.V.ARUTCHELVAN Professor & Head Department of civil engineering Annamalai university Chidambaram – 608 002 E-mail: arul.au@gmail.com Mobile: 9994773966	External Expert Members	


ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Sl.No.	Name	Category	Signature
4	Dr.K.MUTHUKUMARAN Professor Department of civil engineering NITT, Trichy. E-mail: kmk@nitt.edu Mobile: 9443651836	External Expert Members	
5	Mr.J.RAGHURAMAN Sr.Manager – Skills Training L&T Construction Skill Training, Chennai E-mail: jraguraman@intecc.com Mobile: 9943247482	Industry / Corporate Sector	 12.7.21
6	Ms.G.Muthulakshmi K.S.K.Engineering college Kumbakonam	Alumnus	G.Muthulakshmi
7	Dr.S.ANAND KUMAR VARMA Professor Head of the Dept E-mail: hodcivil@egspec.org Mobile: 9585971901		 12.7.21
8	Mr.V.BALASUBRAMANI Associate Professor E-mail: tvrvedha@gmail.com Mobile: 9443786514		VBT
9	Mr.S.SHYAM SUNDAR Assistant Professor E-mail: shyamegspec@gmail.com Mobile: 9159593377	Internal Members	 12/7/21
10	Mr.G.PRAKASH Assistant Professor E-mail: pra.kv180@gmail.com Mobile: 9003950402		 12/7/21
11	Ms.N.KARTHIKA Assistant Professor E-mail: nkarthika20@gmail.com Mobile: 8883628018		 12/7/21

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


12/7/21
Chairman, BOS (CIVIL)
CHAIRMAN
Board of Studies
Department of Civil Engineering
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Department of Civil Engineering

Date: 20.07.2021

Action Taken for BOS Meeting -6 (12.07.2021)

The Following resolutions were passed

- It is resolved to recommend the syllabus for 1st to 4th Semesters M.E. Environmental Engineering as per new regulations to the Academic Council for approval and the syllabus was approved as presented in Academic council.

As per the suggestion from experts the following points was finalised and implemented in ME ENVIRONMENTAL ENGINEERING as per the new regulation.

Environmental microbiology and Environmental Chemistry courses have been strengthened.

Soil chemistry and atmospheric chemistry contents was removed.

Minor corrections have been made in Principles and Design of Physico-Chemical Treatment Systems, Principles and Design of Biological Treatment Systems, Transport of Water and Waste Water.

WTP and STP designs should be strengthened for employment purpose.

Hazardous Acts, Noise pollution Acts are included.

List of New courses syllabus revised

(as per 2019 R – 2019-20 for UG and R2021-2021-22 for PG)

Course Code	Course Name	Change Details
1901HS151	Communication skill	Revised
1901ENX01	English for Engineers	Revised
1902CE302	Fluid Mechanics and Machines	Revised
1902CE304	Engineering Surveying	Revised
1902CE351	Surveying Lab	Revised
1902CE401	Building Materials and Management	Revised
1904GE551	Life Skill III - Aptitude – I	Revised
1904GE651	Life Skill: Aptitude – II & GD	Revised

List of New courses Introduced

(as per 2019 R – 2019-20 for UG and R2021-2021-22 for PG)

Course Code	Course Name	Change Details
1901PH101	Introduction to mechanics	New Course
1901GEX02	Engineering Graphics	New Course
1901GEX53	Basic Electrical & Electronics Engineering Lab	New Course

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PRINCIPAL

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1901GE151	Engineering Intelligence I	New Course
1901GE201	Engineering Exploration	New Course
1901GE252	Engineering Intelligence II	New Course
1901CE405	Biology For Engineers	New Course
1902MCX02	Constitution Of India	New Course
1902CE553	Mini Project	New Course
1902MCX03	Essence of Indian Traditional Knowledge	New Course
1902CE603	Hydrology And Water Resources Engineering	New Course
1902CE604	Global Warming and Climate Change	New Course
1901MGX07	Universal Human Values and Ethics	New Course
1903CE033	Water Pollution and Management	New Course
1901HS002	Intellectual Property Rights for engineers	New Course
1901HS006	Design Thinking for Innovation	New Course
1904GE751	Life skills - Comprehensive Viva	New Course
2101RMX01	Research Methodology and IPR	New Course
2101AU005	Constitution of India	New Course
2101AU002	Disaster Management	New Course
2104EV204	Mini Project with Seminar	New Course
2103EV013	Resource and Energy Recovery from Waste	New Course
2103EV020	Environmental Policy and Legislation	New Course

List of CBCS/Electives / offered by B.E. – Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
PROFESSIONAL ELECTIVES – I									
1903CE001	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
1903CE002	Ground Improvement Techniques	3	-	-	3	40	60	100	PE
1903CE003	Soil Dynamics and Machine Foundation	3	-	-	3	40	60	100	PE
1903CE004	Advanced Geotechnical Engineering	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – II									
1903CE005	Industrial Pollution Prevention and Cleaner Production	3	-	-	3	40	60	100	PE
1903CE006	Solid Waste Management	3	-	-	3	40	60	100	PE
1903CE007	Remote Sensing And GIS	3	-	-	3	40	60	100	PE
1903CE008	Air Pollution Control and Management	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – III									
1903CE009	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1903CE010	Construction Project Management	3	-	-	3	40	60	100	PE
1903CE011	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1903CE012	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
OPEN ELECTIVES									
1903CE031	Natural Disaster and Mitigation Management	3	-	-	3	40	60	100	OE
1903CE032	Global Warming and Climate Change	3	-	-	3	40	60	100	OE
1903CE033	Water Pollution and Its Management	3	-	-	3	40	60	100	OE
1903CE034	Energy Engineering Technology and Management	3	-	-	3	40	60	100	OE
1903CE035	Renewable Sources of Energy	3	-	-	3	40	60	100	OE
1903CE036	Global Position System (GPS)	3	-	-	3	40	60	100	OE
1903CE037	Soil Chemistry and Its Impact	3	-	-	3	40	60	100	OE

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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
1903CE038	Introduction to Transport Processes	3	-	-	3	40	60	100	OE
PROFESSIONAL ELECTIVES – IV									
1903CE013	Bridge Engineering	3	-	-	3	40	60	100	PE
1903CE014	Finite Element Methods	3	-	-	3	40	60	100	PE
1903CE015	Pre-Stressed Concrete	3	-	-	3	40	60	100	PE
1903CE016	Advanced Structural Analysis	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – V									
1903CE017	Ground water Engineering	3	-	-	3	40	60	100	PE
1903CE018	Material Science and metallurgy	3	-	-	3	40	60	100	PE
1903CE019	Coastal Zone Management	3	-	-	3	40	60	100	PE
1903CE020	Environmental Impact Assessment	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – VIII									
1703CE021	Repair And Rehabilitation of Structures	3	-	-	3	40	60	100	PE
1703CE022	Tall Structures	3	-	-	3	40	60	100	PE
1703CE023	Contract Law and Regulations	3	-	-	3	40	60	100	PE
1703CE024	Pre-Fabricated Structures	3	-	-	3	40	60	100	PE
PROFESSIONAL ELECTIVES – IX									
1703CE025	Traffic Engineering and Management	3	-	-	3	40	60	100	PE
1703CE026	Construction Project Management	3	-	-	3	40	60	100	PE
1703CE027	Architecture And Town Planning	3	-	-	3	40	60	100	PE
1703CE028	Natural Disaster Mitigation and Management	3	-	-	3	40	60	100	PE
EEC COURSES									
1904GE351	Life Skills: Verbal Ability	0	0	2	1	100	-	100	EEC
1904GE451	Life Skills: Verbal Reasoning	0	0	2	1	100	-	100	EEC
1902CE553	Mini Project	0	0	2	1	50	50	100	EEC
1904GE551	Life Skill III - Aptitude – I	0	0	2	1	100	-	100	EEC
1904GE651	Life Skill: Aptitude – II & GD	0	0	2	1	100	-	100	EEC
1904GE751	Life skills - Comprehensive Viva	2	0	0	2	100	-	100	EEC
1702CE851	Project	0	0	18	9	50	50	100	EEC
17EV106	Environmental Chemistry Laboratory	0	0	2	1	50	50	100	EEC
17EV107	Environmental Microbiology Laboratory	0	0	2	1	50	50	100	EEC
17EV108	Communication Skills Lab I	0	0	2	1	100	0	100	EEC
17EV206	Unit Operations and Processes Laboratory	0	0	2	1	50	50	100	EEC
17EV207	Communication Skills Lab II	0	0	2	1	100	0	100	EEC
17EV208	Technical Seminar	0	0	2	1	50	50	100	EEC
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC

List of CBCS/Electives Offered for / by M.E – Environmental Engineering (As per R2017)

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
ELECTIVE – I (SEMESTER - I)									
2103EV001	Transport of Water and Waste Water	3	-	-	3	40	60	100	PE
2103EV002	Climate Change and Modeling	3	-	-	3	40	60	100	PE
2103EV003	Computing Techniques in Environmental	3	-	-	3	40	60	100	PE

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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
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Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
	Engineering								
ELECTIVE –II &III (SEMESTER-II)									
2103EV004	Air Pollution Monitoring and Control	3	-	-	3	40	60	100	PE
2103EV005	Environmental Biotechnology	3	-	-	3	40	60	100	PE
2103EV006	Environmental System Analysis	3	-	-	3	40	60	100	PE
2103EV007	Solid and Hazardous Waste Management	3	-	-	3	40	60	100	PE
2103EV008	Land Fill Engineering and Remediation Technology	3	-	-	3	40	60	100	PE
ELECTIVE –IV&V (SEMESTER-III)									
2103EV010	Environmental Impact Assessment	3	-	-	3	40	60	100	PE
2103EV011	Remote Sensing and GIS Applications in Environmental Management	3	-	-	3	40	60	100	PE
2103EV012	Water Quality Modelling	3	-	-	3	40	60	100	PE
2103EV013	Resource and Energy Recovery from Waste	3	-	-	3	40	60	100	PE
2103EV014	Noise Pollution and Control Engineering	3	-	-	3	40	60	100	PE
2103EV015	Marine Pollution and Control	3	-	-	3	40	60	100	PE
Open Electives									
2103EV016	Research Methodology	3	-	-	3	40	60	100	OE
2103EV017	Environmental Sociology	3	-	-	3	40	60	100	OE
2103EV018	Environmental Instrumentation	3	-	-	3	40	60	100	OE
2103EV019	Cleaner Production and Environmental Management	3	-	-	3	40	60	100	OE
2103EV020	Environmental Policy and Legislation								
AUDIT COURSES(AC)									
2101AU001	English for Research Paper Writing	2	0	0	0	-	-	-	AC
2101AU002	Disaster Management (II sem)	2	0	0	0	-	-	-	AC
2101AU003	Sanskrit for Technical Knowledge	2	0	0	0	-	-	-	AC
2101AU004	Value Education	2	0	0	0	-	-	-	AC
2101AU005	Constitution of India (I sem)	2	0	0	0	-	-	-	AC
2101AU006	Pedagogy Studies	2	0	0	0	-	-	-	AC
2101AU007	Stress Management by Yoga	2	0	0	0	-	-	-	AC
2101AU008	Personality Development Through Life Enlightenment Skills	2	0	0	0	-	-	-	AC
2101AU009	Unnat Bharat Abhiyan	2	0	0	0	-	-	-	AC

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Civil Engineering
Name of the Programmes	M.E. Environmental Engineering
Meeting No.	06
Date & Time	12.07.2021 & 12.15p.m.
Venue	Online Mode - Google Meet

1. Chairman / BoS welcomed all members for the 6th meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS review the contents of 5th BOS meeting.
4. Chairman / BoS briefed the members about the Agenda.

- To finalize the curriculum and syllabi of 1, 2, 3 and 4th Semester including laboratory equipment's and industry related courses in M.E. Environmental Engineering
- Other matters.

5. The following are the suggestions given by the members of Board of Studies in curriculum and syllabus:

- Suggested that Environmental Microbiology and Environmental chemistry courses should be verified and strengthened and may be merged as one course so as to include one core course additionally.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.
Subject Expert

Chairman (BoS) / Civil
12/7/21

University Nominee

Subject Expert

Industry Expert

G. Manjunath
Alumni

Senior Faculty

Senior Faculty

Senior Faculty

- The contents of soil chemistry and atmospheric chemistry may be removed.
- Climate change and modeling should be included in Professional core courses.
- Remove Transportation of water and wastewater from elective course and merge its content with Principles and Design of Physico-chemical treatment system & biological treatment system courses.

- WTP and STP designs should be strengthened for employment purpose.

- Remote Sensing and GIS Applications in Environmental Management should be included in Elective course.

- Suggested that include introduction of software related topics in Statistics for Environmental Engineering.

- Resource and Energy Recovery from Waste course may also be offered as open elective.

- It is suggested that instead of Units, Modules are used in all syllabus.

- The portions like hazardous Acts, Noise pollution Acts are to be included in open elective course Environmental policies and legislation.

ATTESTED

Prof. Dr. S. Ramabalan
Dr. S. RAMABALAN, M.E., Ph.D.,
 PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

[Signature]
 Chairman - BOS / Civil
 (Dr. R. S. ...)
CHAIRMAN
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
Nagapattinam.

[Signature]
 Chairman (**CHAIRMAN**)
Board of Studies
Department of Civil Engineering
EGS Pillay Engineering College
(Autonomous)
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E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.



Department of Civil Engineering
M.E. – Environmental Engineering
Board of Studies (BoS) Members
Meeting 6 (online) - 12.07.2021

Sl.No.	Name	Category
1.	Dr.R.SIVAKUMAR Professor Department of Civil Engineering E.G.S.Pillay Engineering College Nagapattinam – 611002 E-mail: hodcivil@egspec.org Mobile: 9443533554	Chairman
2.	Dr.M.IBRAHIM BATHUSHA Professor Department of Civil Engineering P.S.G.College of technology Coimbatore E-mail: mib@civ.psgtech.ac.in Mobile: 7339016337	University Nominee
3.	Dr.V.ARUTCHELVAN Professor & Head Department of civil engineering Annamalai university Chidambaram – 608 002 E-mail: arul.au@gmail.com Mobile: 9994773966	External Expert Members
4.	Dr.K.MUTHUKKUMARAN Professor Department of civil engineering NITT, Trichy. E-mail: kmk@nitt.edu Mobile: 9443651836	
5.	Mr.J.RAGHURAMAN Sr.Manager – Skills Training L&T Construction Skill Training Chennai Residence : Flat no 1D, Udaya Nagar Main Road Porur, Chennai- 600 116 E-mail: jraguraman@intecc.com Mobile: 9943247482	Industry / Corporate Sector

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

6.	Ms.G.Muthulakshmi K.S.K.Engineering college Kumbakonam	Alumnus
7.	Dr.S.ANAND KUMAR VARMA Professor Head of the Dept E-mail: hodcivil@egspec.org Mobile: 9585971901	Internal Members
8.	Mr.V.BALASUBRAMANI Associate Professor E-mail: tvrvedha@gmail.com Mobile: 9443786514	
9.	Mr.S.SHYAM SUNDAR Assistant Professor E-mail: shyamegspec@gmail.com Mobile: 9159593377	
10.	Mr.G.PRAKASH Assistant Professor E-mail: pra.kv180@gmail.com Mobile: 9003950402	
11.	Ms.N.KARTHIKA Assistant Professor E-mail: nkarthika20@gmail.com Mobile: 8883628018	

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi. Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu,

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siva kumar is presenting

S.No	Name	Category
1	DR.S. RAJAGANESH Principal Department of Civil Engineering E.G.S Pillay Engineering College Nagapattinam-611002 E-mail:rajaganesh@egs.edu.in Mobile: 9442171212	Chairman
2	Dr. J. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
3	Dr. V. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
4	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
5	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
6	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
7	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
8	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
9	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member
10	Dr. S. SURESH KANTH Professor Department of Civil Engineering E-mail: sureshk@egs.edu.in Mobile: 9442171212	Member

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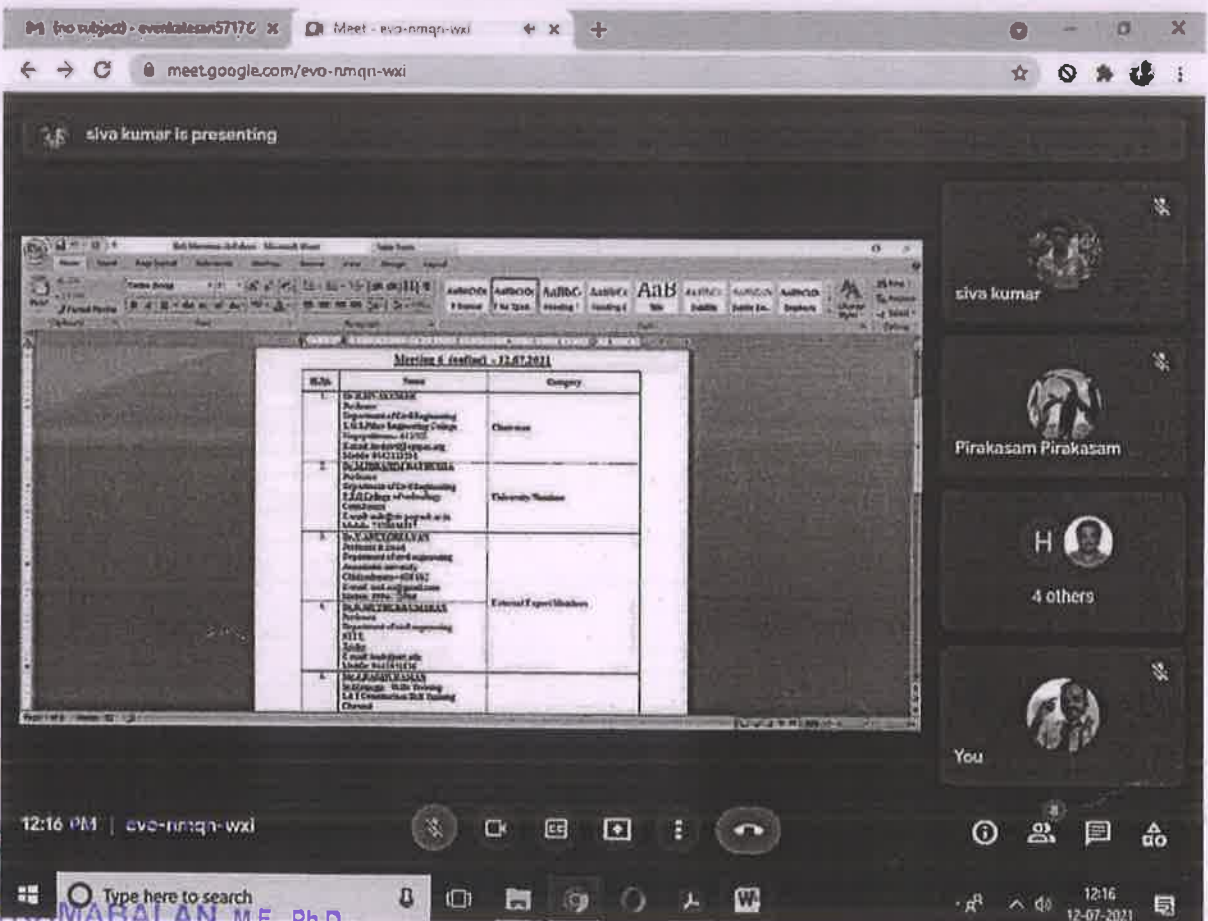
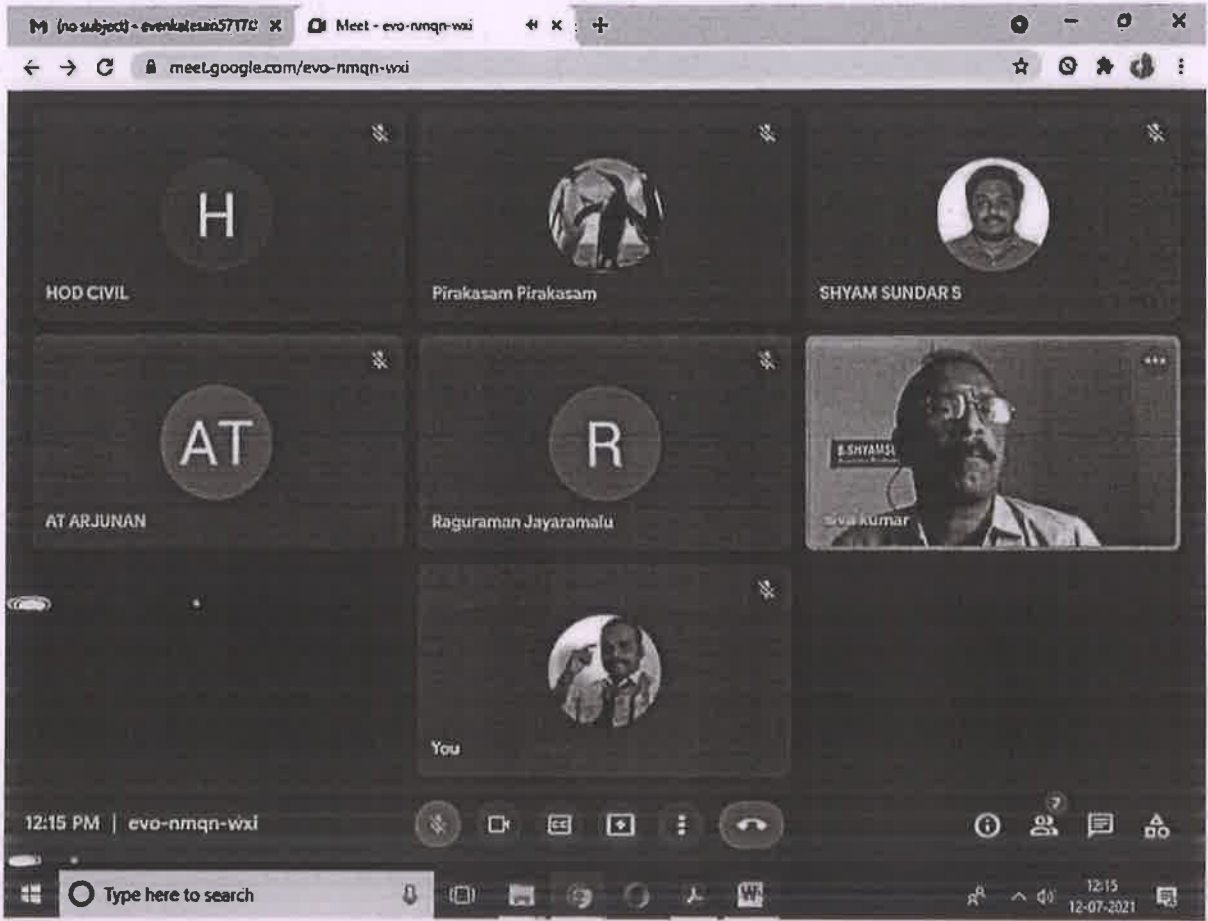
Grid of participants:


- HOD CIVIL
- Pirakasam Pirakasam
- SHYAM SUNDAR S
- AT ARJUNAN
- Raguraman Jayaramalu
- siva kumar
- You

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Dr. S. Rajaganesh
Dr. S. RAJAGANESH, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.




Dr. S. S. MABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.