



**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	<b>Computer Science and Engineering</b>
Name of the Programmes	B.E. Computer Science and Engineering <b>M.E. Computer Science and Engineering</b>
Meeting No.	01
Date & Time	08.07.2017 & 10.00 A.M.
Venue	CSE A/C Seminar Hall (SJB 108)

1. Chairman / BoS welcomed all members for the 1<sup>st</sup> 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. CSE Programme and curriculum of 1<sup>st</sup> to 4<sup>th</sup> Semesters and syllabi of first and second semester M.E. CSE Programme.
  - To finalize the curriculum of 3<sup>rd</sup> - 8<sup>th</sup> Semester B.E. CSE.
  - 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:
  - The Board of Studies members have gone through the curriculum and syllabi of first and second semester B.E. CSE and M.E. CSE programmes.
  - The Board of Studies Chairman gave a brief presentation on Vision and Mission of the Institution and the Department, PEOs, POs and the PSOs.
  - The feedback from the stakeholders of Employers, Faculty member, Alumnus, Parents, Students and other institution senior faculty members, internal senior faculty members and students and the corresponding resolutions made in the department level academic activities committee meetings discussion were presented by the Chairman of the Board.

**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.

- In the Department level academic meeting, it is suggested to include the important courses related to improve the skills like programming courses and the curriculum designed as per the local needs of the society and the peoples requirements
- The Board of Studies Chairman agreed to offer those courses and the same accepted by the board
- Students are encouraged to complete NPTEL Courses during the 3<sup>rd</sup> or 4<sup>th</sup> year
- Students are instructed to use the modern tools, interdisciplinary and latest technology in the mini project and doing final year project
- The Board of Studies members have gone through the curriculum of 3<sup>rd</sup> – 8<sup>th</sup> Semester of B.E. CSE and 3<sup>rd</sup> and 4<sup>th</sup> Semesters of M.E. CSE programmes
- The Anna University Nominee suggested that all the mandatory courses include in the curriculum with the reference of UGC guidelines
- Discussed about the Curriculum considering the guidelines of UGC, AICTE, Premier Institutions, PEOs, POs and PSOs of the program and the views of the stakeholders
- It is recommended to put a total number of credits for B.E. CSE programme should be within 184 and for lateral entry students should be within 140
- **For B.E. CSE – Undergraduate Programme**
  - The Curriculum and Syllabi framed as per the Guidelines of UGC/AICTE/University/Reputed Institutions/Professional Society/Local needs and the feedback received from the stakeholders
  - Tutorial hours should be added for Mathematics courses
  - Latest versions of five references books are suggested
  - Subjects regarding the preparation for industry readiness and GATE may be included
  - Data Structures Lab is mandatory in the respective semester of the courses
  - Digital System and Digital Lab should be combined as Theory with Lab Component
  - Operating System should be moved to Semester III from Semester IV
  - Computer Networks and Database Management System moved to Semester IV from Semester III

ATTESTED

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



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

- Distributed System or Distributed Computing is mandatory in either Semester V or Semester VI
  - Graph Theory can be removed since it is relevant to Discrete Mathematics
  - Compiler Design can be moved to elective list
  - System Software can be removed
  - It is recommended to include Open Source Programming, Service Oriented Architecture, Deep Learning, Data Centre Virtualization, Internet of Things in the Programme Elective
  - It is recommended to include Artificial Intelligence as open elective
- **For M.E. CSE PG Programme**
    - Generally in all the subjects include specific Case studies.
    - Include Internet of Things as Core subject
    - Instead of Computer Networks lab, the Operating System Design Case Studies may be included
    - Further reading is needed in all the courses
    - Simulator on tools can be added in all the lab courses
    - Latest versions of references books are suggested
    - Machine Learning Technique courses should be added in First or Semester
- **General**
    - The attainment level of Course Outcomes(COs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) discussed
    - It is suggested to offer Value Added Courses and One Credit Courses
    - Discussed about Students Undertaking internship, field projects, projects related
    - Discussed about the Employability Courses, Entrepreneurship and Skill development Courses were suggested by the Stakeholders.
    - Discussed the Course outcomes and Program Specific Outcomes related for each courses

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.

• **Question Paper Pattern**

○ **UG / PG Programme**

Part A – 10x2 = 20 Marks

Part B – 5x12 = 60 Marks (Either or)

Part C – 1x20 = 20 Marks (Either or)

Total Marks = 100 Marks, Duration = 3 hours

○ **Evaluation Methods**

**Theory**

Continuous Assessment = 40%

Semester Examination = 60%

**Practical**

Continuous Assessment = 50%

Semester Examination = 50%

- The accepted PSOs are shown below for approval of Academic Council,

**PSO 1:** The ability to apply software engineering principles and practices to design and develop software systems that meet the automation needs of industrial and societal problems

**PSO 2:** The ability to apply their technical skills and knowledge gained in the fields such as Artificial Intelligence, Data Science, Cloud Computing, Social Network Analysis and Mobile Application development

5. The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of first and second semester of B.E CSE and M.E CSE Programmes to the academic Council for approval.
- It is resolved to recommend the curriculum the curriculum of 3<sup>rd</sup> – 8<sup>th</sup> semester B.E CSE and 3<sup>rd</sup> & 4<sup>th</sup> semester M.E programmes to the academic council for approval.
- It is resolved to recommend the question paper pattern UG/PG programmes and evaluation methodology for approval

The chairman, Board of studies thanked all the members for their valuable suggestions and coordination.

Date: 08. 07. 2017

Place: 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 (CSE)**

**CHAIRMAN**

**Board of Studies**

**Department of Computer Science &**  
**Engineering**  
**EGS Pillay Engineering College (Autonomous)**  
**Nagapattinam.**



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

**Board of Studies Meeting**

**Attendance**

Name of the Department : Computer Science and Engineering  
Meeting No. : 01  
Date & Time : 08.07.2017 & 10.00 A.M.  
Venue : CSE A/C Seminar Hall

S.No	Name	Category	Signature
1	Dr.M.CHINNADURAI	Chairman	
2	Dr.S.MERCY SHALINIE	University Nominee	
3	Dr.A.AMUTHAN	External Expert Members	
4	Dr.G.R.KARPAGAM		
5	Dr.M.ARAMUDHAN		
6	Mr.J.SARATH CHANDAR	Industry/ Corporate Sector	
7	Mr.ANAND THIAGARAJAN		
8	Ms.MERCY MARIA	Alumnus	
9	Mr.S.P.GOPLAN		
10	Dr.T.GANESAN	Internal Member	
11	Prof.N.MURALI		
12	Prof.K.BALASUBRAMANIAN		

ATTESTED

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

Chairman- BoS (CSE)

**CHAIRMAN**  
**Board of Studies**  
**Department of Computer Science & Engineering**  
EGS Pillay Engineering College (Autonomous)  
Nagapattinam.





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

Action Taken for BOS Meeting –I held on 08.07.2017

Name of the Department	<b>Computer Science and Engineering</b>
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	01
Date & Time	08.07.2017 & 10.00 A.M.
Venue	CSE A/C Seminar Hall (SJB 108)

The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of first and second semester of B.E CSE and M.E CSE Programmes and the syllabus was approved by BoS Members as presented.
- It is resolved to recommend the curriculum of 3<sup>rd</sup> to 8<sup>th</sup> semester B.E CSE and 3<sup>rd</sup> & 4<sup>th</sup> semester M.E programmes and the syllabus was approved by BoS Members.
- It is resolved to recommend the question paper pattern UG/PG programmes and evaluation methodology was approved as presented.

**As per the recommendation of BoS members the following list of New courses are introduced in semester 1 and 2 of UGR2017 and PG R2017**

Course Code	Course Name	Change Details
<b>B.E - Computer Science and Engineering</b>		
1701MA101	Engineering Mathematics-I	New Course
1701PH101	Applied Physics for Engineers	New Course
1701CH101	Applied Chemistry in Informatics	New Course
1701EN101	Technical English	New Course
1701GEX01	Basic Electrical and Electronics Engineering	New Course
1701GEX02	Engineering Graphics	New Course
1701GEX03	Programming in C	New Course
1701HS151	Physics and Chemistry Lab –I	New Course
1701GEX51	Programming in C Lab	New Course
1701MA201	Engineering Mathematics-II	New Course
1701PH201	Physics of Engineering Materials	New Course
1701CH201	Environmental Studies	New Course
1701GE201	Basic Civil & Mechanical Engineering	New Course
1702CS201	Programming in C++	New Course

**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.

Course Code	Course Name	Change Details
1701I.E201/ 1701I.E202	Communicative English/Hindi	New Course
1701GEX53	Workshop Practice	New Course
1701HS251	Physics and Chemistry Lab –II	New Course
1702CS251	Programming in C++ Lab	New Course
<b>M.E Computer Science and Engineering</b>		
1701CP101	Applied Probability And Statistics	New course
1702CP102	Advanced Data Structures And Algorithms	New course
1702CP103	Advanced Computer Architecture	New course
1702CP104	Advanced Operating Systems	New course
1702CP105	Design And Management Of Computer Networks	New course
1704CP106	Advanced Data Structures Laboratory	New course
1704CP107	Case Study – Operating Systems Design	New course
1704CP108	Communication Skills Lab I	New course
1701CP201	Software Process And Project Management	New course
1702CP202	Security In Computing	New course
1702CP203	Internet Of Things	New course
1702CP204	Advanced Databases	New course
1702CP205	Machine Learning Techniques	New course
1704CP206	Advanced Database Laboratory	New course
1704CP207	Technical Seminar	New course
1704CP208	Communication Skills Lab II	New course

**List of CBCS/Electives for / offered by B.E. Computer Science and Engineering**

Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CA	ES	Total		
<b>ELECTIVE - I</b>										
1703CS016	Wireless Communications	3	0	0	3	40	60	100	PE	
1703CS002	Software Testing	3	0	0	3	40	60	100	PE	
1703CS003	Information Management	3	0	0	3	40	60	100	PE	
1703CS004	C# and .NET framework	3	0	0	3	40	60	100	PE	
1703CS005	Advanced Database Technology	3	0	0	3	40	60	100	PE	
<b>ELECTIVE - II</b>										
1703CS006	Mobile Computing	3	0	0	3	40	60	100	PE	
1703CS007	Network Analysis and Management	3	0	0	3	40	60	100	PE	
1703CS008	Open Source Programming	3	0	0	3	40	60	100	PE	
1703CS009	Ad hoc and Sensor Networks	3	0	0	3	40	60	100	PE	
1703CS010	Digital Signal Processing	3	0	0	3	40	60	100	PE	
<b>ELECTIVE - III</b>										
1703CS011	Compiler Design	3	0	0	3	40	60	100	PE	
1703MG002	Total Quality Management	3	0	0	3	40	60	100	PE	
1703CS012	Data Warehousing and Data Mining	3	0	0	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 (Dt) Tamil Nadu.





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

1703CS014	Disaster Management	3	0	0	3	40	60	100	PE
1703MG008	Human Rights	3	0	0	3	40	60	100	PE
<b>ELECTIVE – V</b>									
1703CS001	Service Oriented Architecture	3	0	0	3	40	60	100	PE
1703CS017	Digital Image Processing	3	0	0	3	40	60	100	PE
1703CS018	Embedded and Real Time Systems	3	0	0	3	40	60	100	PE
1703CS019	Game Programming	3	0	0	3	40	60	100	PE
1703CS020	Knowledge Management	3	0	0	3	40	60	100	PE
<b>ELECTIVE - VII</b>									
1703CS021	Deep Learning	3	0	0	3	40	60	100	PE
1703CS022	Natural Language Processing	3	0	0	3	40	60	100	PE
1703CS023	Soft Computing	3	0	0	3	40	60	100	PE
1703CS024	Bioinformatics	3	0	0	3	40	60	100	PE
1703CS025	Human Computer Interaction	3	0	0	3	40	60	100	PE
<b>ELECTIVE - VIII</b>									
1703CS026	Enterprise Resource Planning	3	0	0	3	40	60	100	PE
1703CS027	Data Centre and Virtualization	3	0	0	3	40	60	100	PE
1703CS028	Growth Hacking	3	0	0	3	40	60	100	PE
1703CS029	Information Retrieval	3	0	0	3	40	60	100	PE
1703CS030	Cyber Forensics	3	0	0	3	40	60	100	PE
<b>ELECTIVE - IX</b>									
1703CS031	Internet of Things	3	0	0	3	40	60	100	PE
1703CS032	Mainframe Computing	3	0	0	3	40	60	100	PE
1703CS033	Multicore Architecture	3	0	0	3	40	60	100	PE
1703CS034	Graph Theory and Its Applications	3	0	0	3	40	60	100	PE
1703CS035	Social Network Analysis	3	0	0	3	40	60	100	PE
<b>OPEN ELECTIVE</b>									
1703CS036	Database Management Systems	3	0	0	3	40	60	100	OE
1703CS037	Web Technology	3	0	0	3	40	60	100	OE
1703CS038	Operating Systems	3	0	0	3	40	60	100	OE
1703CS039	Computer Graphics and Multimedia	3	0	0	3	40	60	100	OE
1703CS040	Software Engineering	3	0	0	3	40	60	100	OE
1703CS041	Artificial Intelligence	3	0	0	3	40	60	100	OE
<b>ONE CREDIT COURSES</b>									
1704CS042	Hardware and troubleshooting	1	0	0	1				EEC
1704CS043	Networking Course	1	0	0	1				EEC
1704CS044	Industrial Safety for Engineers	1	0	0	1				EEC
1704CS045	Introduction to Fisheries Engineering	1	0	0	1				EEC
1704CS046	Transport and Tourism	1	0	0	1				EEC

**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.

**List of CBCS/Electives for / offered by M.E – Computer Science and Engineering**

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
<b>PROFESSIONAL ELECTIVES</b>									
1703CP001	Big Data Analytics	3	0	0	3	40	60	100	PE
1703CP002	Advanced Graph Theory	3	0	0	3	40	60	100	PE
1703CP003	Image Processing and Analysis	3	0	0	3	40	60	100	PE
1703CP004	Cloud Computing	3	0	0	3	40	60	100	PE
1703CP005	Data Mining Techniques	3	0	0	3	40	60	100	PE
1703CP006	Real Time Systems	3	0	0	3	40	60	100	PE
1703CP007	Mobile and Pervasive Computing	3	0	0	3	40	60	100	PE
1703CP008	Parallel Programming Paradigms	3	0	0	3	40	60	100	PE
1703CP009	Information Retrieval Techniques	3	0	0	3	40	60	100	PE
1703CP010	Network and Information Security	3	0	0	3	40	60	100	PE
1703CP011	Performance Analysis of Computer Systems	3	0	0	3	40	60	100	PE
1703CP012	Language Technologies	3	0	0	3	40	60	100	PE
1703CP013	Computer Vision	3	0	0	3	40	60	100	PE
1703CP014	Speech Processing and Synthesis	3	0	0	3	40	60	100	PE
1703CP015	Software Quality Assurance and Testing	3	0	0	3	40	60	100	PE
1703CP016	Ad hoc Mobile Wireless Networks	3	0	0	3	40	60	100	PE
1703CP017	Embedded Software Development	3	0	0	3	40	60	100	PE
1703CP018	Social Network Analysis	3	0	0	3	40	60	100	PE
1703CP019	Bio-inspired Computing	3	0	0	3	40	60	100	PE
1703CP020	Compiler Optimization Techniques	3	0	0	3	40	60	100	PE
1703CP021	Data Visualization Techniques	3	0	0	3	40	60	100	PE
1703CP022	Reconfigurable Computing	3	0	0	3	40	60	100	PE
1703CP023	Mobile Application Development	3	0	0	3	40	60	100	PE
1703CP024	Bio Informatics	3	0	0	3	40	60	100	PE
1703CP025	Information Storage Management	3	0	0	3	40	60	100	PE
1703CP026	Design And Management Of Computer Networks	3	0	0	3	40	60	100	PE
1703CP027	Design And Analysis Of Parallel Algorithms	3	0	0	3	40	60	100	PE
1703CP028	Research Methodology	3	0	0	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 (Dt) Tamil Nadu.

  
**Chairman – BoS (CSE)**  
**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
Engineering  
E.G.S. Pillay Engineering College (Autonomous)  
Nagapattinam.





## 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	Computer Science and Engineering
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	02
Date & Time	21.04.2018 & 09.30 A.M.
Venue	CSE A/C Seminar Hall

The names of the members present in the Board of Studies are given in Annexure I.

1. Chairman / BoS welcomed all members for the 2<sup>nd</sup> meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
  - Discussion and action taken about previous meeting
  - To finalize the syllabi of B.E CSE Programme from third to eight semesters and M.E. CSE Programme from third to fourth semester.
  - Any other matters.
4. The following are the suggestions given by the member of Board of Studies.
  - The Board of Studies members have gone through the syllabi of 3<sup>rd</sup> to 8<sup>th</sup> Semester B.E. CSE and 3<sup>rd</sup> to 4<sup>th</sup> Semester of M.E. CSE programmes.
  - **For B.E. CSE – Undergraduate Programme**
    - As per the approval of 1<sup>st</sup> Academic Council meeting, it is ensured for assessment to go for 50-50 for practical and 40-60 for theory courses.
    - It is to be ensured to have the method to calculate the GPA/CGPA.
    - It is to be ensured to go for 50-50 instead of 40-60 in Internal: External Calculation for theory cum laboratory courses.
    - It is recommended to bring forth the Life Skills, Soft Skills, English Communication and other relevant courses related to placement and to complete them by seventh semester.
    - It is recommended to bring Programming Paradigms to Fourth Semester while COA to Third Semester and Computer Networks shall be pushed to next semester.

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.

- It is recommended to bring courses such as Mobile Computing and Ad hoc Networks to electives.
  - It is recommended not to include any core courses in the eight semesters.
  - It is recommended to offer one mini project by sixth semester.
  - It is recommended to introduce comprehensive viva by Seventh Semester which facilities the competitive examination.
  - It is recommended to offer Data Mining and Data Warehousing as a professional elective.
  - It is recommended to mandate industrial visit and internship by the end of third year
  - It is necessary to include latest edition of reference books.
  - Life Skills can be given with credits.
  - Each semester may be given with the average of 24 credits.
  - For lateral entry students must include additionally Environmental Studies in 4<sup>th</sup> Semester.
  - All the laboratory courses have to include additional experiments or innovative experiments if needed.
- **For M.E. CSE Post Graduate Programme**
    - Project Phase I may be given for industrial exposures.
    - It is ensure to publish the journal as project done by the students.
    - It is recommended to include more innovative experiments in the laboratory courses.
    - It is recommended to visit the industries atleast in the final year and submit the report to the department.
    - It is recommended to add the Research Methodology course in the open elective.
    - The board members are insist to participate in the Conferences once in a year.
  - **General**
    - All the courses are recommended to include the course outcomes as discussed and approved in this BOS meeting.
    - Further reading can be added.
    - It is necessary to provide credit split up with allotted credits for HSS, BS, PC and PE courses in this regulation.
    - It is recommended to offer Value added courses and one credit courses.

ATTESTED

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

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.

4. The following resolutions were passed

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

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

Date: 21.4.18

Place: Nagapattinam

Chairman (BoS)

University Nominee

Subject Expert

Subject Expert 21/4/18

Industry Expert

Alumni

Senior Faculty

Senior Faculty

Senior Faculty

**ATTESTED**

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

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.

**Action Taken for BOS Meeting Minutes held on 21.04.2018**

Name of the Department	Computer Science and Engineering
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	02
Date & Time	21.04.2018&09.30 A.M.
Venue	CSB A/C Seminar Hall

**The following resolutions were passed**

- The curriculum and syllabi from 3 to 8 semester of B.E CSE and Third semester to Fourth semester of M.E CSE Programmes are recommended by the members of BoS was approved as presented.

**As per the recommendation of BoS members the following list of New courses are introduced in the semester 3 to 8 of UG R2017 and Semester 3 to 4 of PG 2017**

Course Code	Course Name	Change Details
<b>B.E - Computer Science and Engineering</b>		
1701MA301	Engineering Mathematics III	New Course
1702CS301	Data Structures	New Course
1702CS302	Computer Organization and Architecture	New Course
1702CS303	Software Engineering	New Course
1702CS304	Digital Systems	New Course
1702CS305	Operating Systems	New Course
1702CS351	Data Structures Laboratory	New Course
1702CS352	Operating Systems Laboratory	New Course
1704GE351	Life Skills: Soft Skills	New Course
1701MA401	Probability and Queuing Theory	New Course
1702CS401	Computer Networks	New Course
1702CS402	Programming Paradigms	New Course
1702CS403	Design and Analysis of Algorithms	New Course
1702CS404	Microprocessors and Microcontrollers	New Course
1702CSX02	Database Management Systems	New Course
1701CH201	Environmental Studies	New Course
1702CS451	Networks Laboratory	New Course

**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.

Course Code	Course Name	Change Details
1702CSX52	Database Management Systems Laboratory	New Course
1704GE451	Life Skills: Verbal Ability	New Course
1701MA501	Discrete Mathematics	New Course
1702CS501	Object Oriented Analysis and Design	New Course
1702CS502	Theory of Computation	New Course
1702CS503	Computer Graphics and Multimedia	New Course
1703CS002	Software Testing (Elective I)	New Course
1703CS006	Mobile Computing (Elective II)	New Course
1702CS551	Computer Graphics and Multimedia Laboratory	New Course
1704CS552	CASE Tools Laboratory	New Course
1704CS553	Technical Seminar	New Course
1704GE551	Life Skills: Aptitude-I	New Course
1701MGX01	Professional Ethics	New Course
1702CS601	Web Technology	New Course
1702CS602	Artificial Intelligence	New Course
1702CS603	Distributed Systems	New Course
1703CS012/ 1703MG008	Data Warehousing and Data Mining/Human Rights (Elective III)	New Course
1703CI:032/ 1703IC:020/ 1703ME:011	Global Warming and Climate Change/Soft Computing/Industrial Robotics	New Course
1702CS651	Web Technology Laboratory	New Course
1704CS652	Mobile Application Development Laboratory	New Course
1704CS653	Industrial Visit Presentation	New Course
1704GE651	Life Skills: Aptitude-II	New Course
1702CS701	Cryptography and Network Security	New Course
1702CS702	Software Project Management	New Course
1702CS703	Big Data Analytics	New Course
1702CS704	Cloud Computing	New Course
1703CS001	Service oriented Architecture	New Course
1703ED001	Startup Entrepreneurship	New Course
1702CS751	Cloud Computing Laboratory	New Course
1702CS752	Network Security Laboratory	New Course
1704CS753	Software Development Laboratory (Mini Project)	New Course
1704GE751	Life Skills: Competitive Exams Preparation	New Course
1704CS754	In-plant Training / Internship Presentation	New Course
1703CS024	Bioinformatics	New Course
1703CS027	Data Centre and Virtualization	New Course

**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.

Course Code	Course Name	Change Details
1703CS035	Social Network Analysis	New Course
1704CS851	Project Work	New Course
	<b>M.E Computer Science and Engineering</b>	
1703CP026	Design And Management Of Computer Networks	New Course
1703CP027	Design And Analysis Of Parallel Algorithms	New Course
1703CP028	Research Methodology	New Course

*MASD*  
Chairman – BoS (CSE)

**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
Engineering  
EGS Pillay Engineering College (Autonomous)  
Nagapattinam.

**ATTESTED**

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

ATTESTED

*[Faint signature and stamp]*





**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	<b>Computer Science and Engineering</b>
Name of the Programmes	B.E. Computer Science and Engineering <b>M.E. Computer Science and Engineering</b>
Meeting No.	04
Date & Time	18.05.2019&10.30 AM
Venue	CSE A/C Seminar Hall (SJB 108)

The names of the members present in the Board of Studies are given in Annexure I.

1. Chairman / BoS welcomed all members for the 4<sup>th</sup> meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
  - Discussion and action taken about previous meeting
  - To finalize the curriculum and syllabi of B.E. CSE Programme under new regulations 2019 and to review the implementation of M.E. CSE Programme
  - Any other matters.
4. The following are the suggestions given by the member of Board of Studies
  - The Board of Studies members have gone through the curriculum of B.E. CSE from 1<sup>st</sup> to 8<sup>th</sup> Semesters and Syllabi of B.E. CSE from 1<sup>st</sup> to 4<sup>th</sup> Semester Courses
  - The curriculum and syllabi framed as per the AICTE model curriculum
  - Board of Studies members accepted the implementation of AICTE model curriculum, other reputed institutions and Program Specific Criteria CSE R2017, CSE curriculum for drafting the R2019 curriculum
  - The Board is insisted to include the contents in the syllabus of R2019 by referring GATE Syllabus
  - The feedback from the stakeholders viz, employers, alumni, faculty from other institutions, parent, internal faculty and students and the corresponding resolutions made in the Programme Assessment Committee (PAC) meeting were presented by the Chairman of the Board. The BOS resolved to accept the PAC resolution.

**ATTESTED**

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

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

- In PAC meetings, either one of C++ and Java can be given as a programming course in Object Oriented Programming course and Mobile Application Development course may be included as a laboratory course
- The board strictly instructed to involve the students in the online courses as per the regulations
- Mapping of the curriculum and syllabi of the proposed regulation R2019 with the program specific criteria was presented to the board of members by the Chairman and the board resolved to accept the mapping
- The components of the courses under R2019 based on having to one or more of the categories were presented to the board by the Chairman. The board resolved to accept the components
- Board of Studies Chairman has agreed to offer the courses related to research thrust areas in the Program Elective Courses
- The Basic Sciences courses are to be specific in the field of computer science field
- For Chemistry and Physics courses are to be ensured in the field of computer science field
- It is recommended to include Hardware and Troubleshooting related experiments in the laboratory courses
- The syllabus of Constitution of India is to be included in the third semester of the programme.
- As per the mandatory courses of AICTE model curriculum should be included in the curriculum
- Operating system should be moved to fourth semester and Digital system can be removed
- It is recommended to remove the credit score to the Environmental Science course.
- It is recommended to introduce new courses related to the field of Entrepreneurship skills development
- The Chairperson presented the panel of evaluators and question paper setters for valuation for approval.
- The BoS Members reviewed and approved the end semester External examiners and scrutiny members for R2019
- Discussed about the mapping of curriculum with Program Specific Criteria and board approved the same
- It is recommended the assessment questions and assessment pattern for the core and elective courses and the board approved the same

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

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

- The board analyzed the stakeholders feedback regarding the curriculum and syllabi under R2019 regulation
- For M.E. CSE implementation of curriculum and syllabi were discussed

○ **Resolutions:**

It was resolved to incorporate the suggestions given by the BOS members towards the new regulations R2019 curriculum and syllabi (1<sup>st</sup> to 4<sup>th</sup> Semester) for B.E. CSE Programme and discussed about M.E. CSE review the implementation.

Board of Studies recommended the above resolutions to be presented in the Academic Council for further approval.

Finally the Chairman thanked all the members for their presence and valuable suggestions towards the improvement of the B.E. CSE R2019 Curriculum and Syllabus (1<sup>st</sup> to 4<sup>th</sup> Semester) for the Computer Science and Engineering Board.

Date: 18.05.2019

Place: Nagapattinam

*M. Chidambaram*  
18/05/2019  
Chairman - BOS (CSE)

**CHAIRMAN**  
**Board of Studies**  
**Department of Computer Science &**  
**Engineering**  
**FGS Pillay Engineering College (Autonomous)**  
**Nagapattinam.**

**ATTESTED**  
*[Signature]*  
**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.

Board of Studies Meeting

Attendance

Name of the Department : Computer Science and Engineering  
Meeting No. : 04  
Date & Time : 18.05.2019 & 10.00 A.M.  
Venue : CSE A/C Seminar Hall

S.No	Name	Category	Signature
1	Dr.M.CHINNADURAI	Chairman	<i>M.K.S. Chinnadurai</i>
2	Dr.S.MERCY SHALINIE	University Nominee	<i>S.M. Shalinie</i>
3	Dr.A.AMUTHAN	External Expert Members	<i>A. Amuthan</i>
4	Dr.G.R.KARPAGAM		<i>G.R. Karpagam</i>
5	Dr.M.ARAMUDHAN		<i>M. Aramudhan</i>
6	Mr.J.SARATH CHANDAR	Industry/ Corporate Sector	<i>Sarathchandar. S</i>
7	Mr.ANAND THIAGARAJAN		<i>Anand Thiagarajan</i>
8	Ms.MERCY MARIA	Alumnus	<i>Mercy Maria</i>
9	Mr.S.P.GOPLAN		<i>S.P. Goplan</i>
10	Dr.T.GANESAN	Internal Member	<i>T. Ganesan</i>
11	Dr..N.MURALI		<i>N. Murali</i>
12	Dr.R.MANIVANNAN		<i>R. Manivannan</i>
13	Prof.K.KALAIVANI		<i>K. Kalivani</i>
14	Prof.K.BALASUBRAMANIAN		<i>K. Balasubramanian</i>

**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 (CSE)  
**CHAIRMAN**

**Board of Studies**  
**Department of Computer Science &**  
**Engineering**  
**EGS Pillay Engineering College (Autonomous),**  
**Nagapattinam.**





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

Action Taken for BOS Meeting Minutes 04

Name of the Department	Computer Science and Engineering
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	04
Date & Time	18.05.2019&10.30 AM
Venue	CSE A/C Seminar Hall (SJB 108)

The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of first to fourth semester of B.E CSE and the syllabus was approved as presented.
- It is resolved to recommend the curriculum of fifth semester to Eighth semester of B.E CSE was approved as presented.

**R 2019- List of Syllabus revised courses from R2017**

Course Code	Course Name	Change Details	Revised content details
<b>B.E - Computer Science and Engineering</b>			
1901CH104	Applied Chemistry in Informatics	Revision	3 modules changed
1901GEX03	Programming for Problem Solving	Revision	2 modules changed
1901CHX51	Engineering Chemistry Laboratory	Revision	3 modules changed
1901HSX51	Communication Skill Laboratory	Revision	1 module changed
1901GEX01	Basic Electrical and Electronics Engineering	Revision	4 modules changed
1901PHX51	Engineering Physics Lab	Revision	4 modules changed
1901MA302	Engineering Mathematics III	Revision	3 modules changed
1902CS304	Digital Logic and Microprocessors	Revision	4 modules changed
1902CS402	Operating System	Revision	1 module changed
1902CS406	Database Management Systems	Revision	1 module changed
1902CS451	Networks Laboratory	Revision	1 module changed
1902CS452	Operating System Laboratory	Revision	1 module changed
1902CS453	Database Management Systems Laboratory	Revision	1 module changed

**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.

**As per the recommendation of BoS members the following list of New courses are introduced in semesters 1 to 4 of R2019**

Course Code	Course Name	Change Details
<b>B.E - Computer Science and Engineering</b>		
1901MA102	Engineering Mathematics –I	New Course
1901ENX01	English for Engineers	New Course
1901GE151	Engineering Intelligence I	New Course
1901MA202	Engineering Mathematics –II	New Course
1901PI1201	Physics for Information Science	New Course
1901GEX02	Engineering Graphics	New Course
1901GE201	Engineering Exploration	New Course
1901GE254	Computer Hardware and IT Essentials Lab	New Course
1901GE252	Engineering Intelligence - II	New Course
1901GEX51	CAD Lab	New Course
1901GEX53	Basic Electrical and Electronics Engineering Lab	New Course
1902CS302	Object Oriented Programming	New Course
1901MCX02	Constitution of India	New Course
1902CS352	Object Oriented Programming Laboratory	New Course
1901GEX04	Biology for Engineers	New Course
1901MCX01	Environmental Science	New Course

**List of CBCS/Electives for / offered by B.E. Computer Science and Engineering**

### PC ELECTIVE COURSES

Sl. No.	Course Code	Name of the Course	Number of Hours / Week			Credit
			L	T	P	
<b>Elective I</b>						
1	1903CS001	Mobile Computing	3	0	0	3
2	1903CS002	Computer Graphics and Multimedia	3	0	0	3
3	1903CS003	Data Warehousing and Data Mining	3	0	0	3
4	1903CS004	Software Testing	3	0	0	3
<b>Elective II</b>						
5	1903CS005	Distributed systems	3	0	0	3
6	1903CS006	Open Source Programming	3	0	0	3
7	1903CS007	Adhoc and sensor networks	3	0	0	3
8	1903CS008	Multicore Architecture	3	0	0	3

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.

<b>Elective III</b>						
9	1903CS009	Embedded and Real Time Systems	3	0	0	3
10	1903CS010	Internet of things	3	0	0	3
11	1903CS011	Digital image processing	3	0	0	3
12	1903CS012	C# and .Net Framework	3	0	0	3
<b>Elective IV</b>						
13	1903CS013	Big data Analytics	3	0	0	3
14	1903CS014	Service oriented Architecture	3	0	0	3
15	1903CS015	Machine learning techniques	3	0	0	3
16	1903CS016	Natural Language Processing	3	0	0	3
<b>Elective V</b>						
17	1903CS017	Information Retrieval	3	0	0	3
18	1903CS018	Cyber forensics	3	0	0	3
19	1903CS019	Data Centre and Virtualization	3	0	0	3
20	1903CS020	Bio Informatics	3	0	0	3

S.No.	Course Code	Name of the Course	Number of Hours / Week			Credit
			L	T	P	
<b>OPEN ELECTIVE COURSES</b>						
21	1903CS021	Computer Networks	3	0	0	3
22	1903CS022	Artificial Intelligence	3	0	0	3
23	1903CS023	Database Management Systems	3	0	0	3
24	1903CS024	Web Technology	3	0	0	3
25	1903CS025	Data Structures	3	0	0	3
26	1903CS026	Object oriented Programming	3	0	0	3
27	1903CS027	Cloud Computing	3	0	0	3
28	1903CS028	Mobile Computing	3	0	0	3
<b>ONE CREDIT COURSES</b>						
29	1904CS001	Hardware and troubleshooting	1	0	0	1
30	1904CS002	Networking Course	1	0	0	1
31	1904CS003	Industrial Safety for Engineers	1	0	0	1
32	1904CS004	Introduction to Fisheries Engineering	1	0	0	1
33	1904CS005	Transport and Tourism	1	0	0	1

**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.

**HUMANITIES, SOCIAL SCIENCE AND MANAGEMENT ELECTIVE COURSES**

S.No.	Course Code	Name of the Course	Number of Hours / Week			Credit
			L	T	P	
<b>Elective I</b>						
1.	1901MGX01	Total Quality Management	3	0	0	3
2.	1901MGX02	Project Management and Finance	3	0	0	3
3.	1901MGX03	Operations Research	3	0	0	3
4.	1901MGX04	Principles of Management	3	0	0	3
<b>Elective II</b>						
1.	1901HS001	Innovation & Entrepreneurship fundamentals	3	0	0	3
2.	1901HS002	Intellectual Property Rights for Engineers	3	0	0	3
3.	1901HS003	Startup Entrepreneurship	3	0	0	3
4.	1901HS004	Business Model Innovation	3	0	0	3
<b>Elective III</b>						
1.	1901HS005	Social Entrepreneurship	3	0	0	3
2.	1901HS006	Design Thinking for Innovation	3	0	0	3
3.	1901HS007	Indian Patent Law & Patent Drafting	3	0	0	3
4.	1901HS008	IP Management & Commercialization	3	0	0	3

**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 (CSE)

**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
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.





**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	<b>Computer Science and Engineering</b>
Name of the Programmes	B.E. Computer Science and Engineering <b>M.E. Computer Science and Engineering</b>
Meeting No.	05
Date & Time	08.06.2020 & 10.00 AM
Venue	Online: Google Meet <a href="https://meet.google.com/nky-cnzr-wzi">https://meet.google.com/nky-cnzr-wzi</a>

The names of the members present in the Board of Studies are given in Annexure I.

1. Chairman / BoS welcomed all members for the 5<sup>th</sup> meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
  - Discussion and action taken about previous meeting
  - Discussion of the implementation of R2017 and R2019 B.E. CSE syllabus and review of M.E. CSE Programme
  - Any other matters.
4. The following are the suggestions given by the member of Board of Studies
  - The Board of Studies members have gone through the curriculum and Syllabus of last meeting discussed and reviews the process of implementation of academic regulations.
  - Mapping of Course Outcomes and Program Outcomes were discussed with a sample course file.
  - Python programming can be given as Diploma Course for the CSE Students.
  - It is recommended to visit the industries by the students and the report has to be submitted to the department and based on that report the credit can be assigned.
  - The credit may be given to Inplant and Industrial training.

**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.



- It is recommended to register the online courses like NPTEL and after completing the course the credit may be incorporated in the mark sheet and the credit transfer for exemption of one equivalent course may be approved by the Academic Council.
- Big Data Analytics and Data Centre may be added in the elective course to fulfill the Program Specific Criteria of some levels.
- It is recommended to split the Mini project into two different semesters.

○ **Resolutions:**

It was resolved to incorporate the suggestions given by the BOS members towards the review and implementation of regulations 2019 curriculum and syllabi (1<sup>st</sup> to 4<sup>th</sup> Semester) for B.E. CSE Programme and discussed about M.E. CSE review the implementation.

Board of Studies recommended the above resolutions to be presented in the Academic Council for further approval.

Finally the Chairman thanked all the members for their presence and valuable suggestions towards the improvement of the B.E. CSE R2019 Curriculum and Syllabus (1<sup>st</sup> to 4<sup>th</sup> Semester) and M.E. CSE for the Computer Science and Engineering Board.

Date: 08.06.2020

Place: Nagapattinam

*MCA2*  
*8/6/20*  
Chairman - BoS (CSE)

**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
Engineering  
EGS Pillay Engineering College (Autonomous)  
Nagapattinam.

**ATTESTED**

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



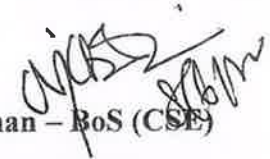
**E.G.S. PILLAY ENGINEERING COLLEGE**  
(An Autonomous Institution, Affiliated to Anna University, Chennai) Nagore  
Post, Nagapattinam – 611 002, Tamilnadu.



### Board of Studies (BoS) Meeting

Name of the Department      **Computer Science and Engineering**  
Meeting No.                      5  
Date & Time                      08.06.2020, 10.00 A.M  
Venue                                Online Platform - Google Meet

S.No.	Name	Category
1	Dr. M. CHINNADURAI	Chairman
2	Dr. S. MARY SAIRA BHANU	University Representative
3	Dr. A. AMUTHAN	External Expert Members
4	Dr. M. ARAMUDHAN	
5	Mr.U.CHANDRASEKAR	Industry / Corporate Sector
6	Ms. MERCY MARIA	Alumnus
7	Mr. P. HARIHARAN	
8	Dr. T. GANESAN	Internal Members
9	Dr. R. MANIVANNAN	
10	Dr. N. MURALI	
11	Prof. K. KALAIVANI	
11	Prof. K. BALASUBRAMANIAN	
12	Prof. G. ARUL SELVAN	

  
Chairman – BoS (CSE)

**CHAIRMAN**

**Board of Studies**

**Department of Computer Science &  
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.**



**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	<b>Computer Science and Engineering</b>
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	06
Date & Time	23.12.2020&10.00 AM
Venue	Online Meeting: Zoom <a href="https://zoom.us/j/91200436101?pwd=dGRue3RXNGRkbUpwVEJEeVFUR0o3UT09">https://zoom.us/j/91200436101?pwd=dGRue3RXNGRkbUpwVEJEeVFUR0o3UT09</a>

The names of the members present in the Board of Studies are given in Annexure I.

1. Chairman / BoS welcomed all members for the 6<sup>th</sup> meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
  - Discussion and action taken about previous meeting
  - To finalize the curriculum and syllabi of new Regulations 2021 for M.E. CSE PG Programmes Curriculum and 1<sup>st</sup> to 2<sup>nd</sup> Semester Syllabi and Syllabi of 5<sup>th</sup> to 7<sup>th</sup> Semester B.E. CSE Programme.
  - Any other matters.
4. The following are the suggestions given by the member of Board of Studies
  - The Board of Studies members have gone through the curriculum and Syllabus of new PG M.E. Regulations 2021 for M.E. CSE PG Programmes Curriculum and 1<sup>st</sup> to 2<sup>nd</sup> Semester Syllabi and Syllabi of 5<sup>th</sup> to 7<sup>th</sup> Semester B.E. CSE Programme under UG Regulation 2019
  - New Regulations 2021 for PG M.E. Programmes were analyzed and discussed

**ATTESTED**

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



- **For B.E. CSE Programme**

- Vision, Mission, POs and PSOs of the CSE programmes are reviewed with the new regulations curriculum and syllabi
- Some of the important courses like Essence of Indian Traditional Language, TQM and Computer Graphics and Multimedia were added in the UG Curriculum.
- It is recommended to purchase of new versions of Computers for strengthening the advanced technology usage by the Students
- It is recommended to include the cloud computing laboratory course in the seventh semester
- To strengthening the students for the industrial exposure to send the students to the industry through internship and industrial visit
- It is recommended to include the value added and one credit courses and reviewed

- **For PG M.E. Programmes**

- New Regulations 2021 were discussed and suggested points sent for approval by the Academic Council
- It is recommended to include the courses like Research oriented and IPR related courses
- It is recommended to include the Audit courses in the first semester and second semester
- It is recommended to include the mini project with Seminar concept in the second semester
- The Chairman analyzed the feedback from the stakeholders and draft the new PG M.E. Curriculum and 1<sup>st</sup> to 2<sup>nd</sup> Semester Syllabi for approval

**ATTESTED**

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

**E.G.S. Pillay Engineering College,**  
**Thethi, Nagore - 611 007**  
**Nagapattinam (Dt) Tamil Nadu.**

○ **Resolutions:**

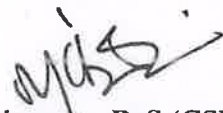
It was resolved to incorporate the suggestions given by the BOS members towards the curriculum and Syllabus of new PG M.E. Regulations 2021 for M.E. CSE PG Programmes Curriculum and 1<sup>st</sup> to 2<sup>nd</sup> Semester Syllabi and Syllabi of 5<sup>th</sup> to 7<sup>th</sup> Semester B.E. CSE Programme under UG Regulation 2019.

Board of Studies recommended the above resolutions to be presented in the Academic Council for further approval.

Finally the Chairman thanked all the members for their presence and valuable suggestions towards curriculum and Syllabus of new PG M.E. Regulations 2021 for M.E. CSE PG Programmes Curriculum and 1<sup>st</sup> to 2<sup>nd</sup> Semester Syllabi and Syllabi of 5<sup>th</sup> to 7<sup>th</sup> Semester B.E. CSE Programme under UG Regulation 2019 for the Computer Science and Engineering Board.

Date: 23.12.2020

Place: Nagapattinam

  
Chairman – BoS (CSE)

**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
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.



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

Board of Studies Meeting

Attendance

Name of the Department : Computer Science and Engineering  
Meeting No. : 06  
Date & Time : 23.12.2020 & 10.00 A.M.  
Venue : Online Platform- Zoom Meet

S.No	Name	Category
1	Dr.M.CHINNADURAI	Chairman
2	Dr.S.MARY SAIRA BHANU	University Nominee
3	Dr.A.AMUTHIAN	External Expert Members
4	Dr.M.ARAMUDHAN	
5	Mr.J.SARATHI CHANDAR	Industry/ Corporate Sector
6	Mr.P.HARIHARAN	Alumnus
7	Dr.T.GANESAN	Internal Member
8	Dr..N.MURALI	
9	Dr.R.MANIVANNAN	
10	Dr.M.PRIYA	
11	Prof.K.KALAIVANI	
12	Prof.K.BALASUBRAMANIAN	
13	Prof.G.ARUL SELVAN	

**ATTESTED**

*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.

*MCS*  
Chairman- BoS (CSI)

**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
Engineering  
E.G.S. Pillay Engineering College (Autonomous)  
Nagapattinam.



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

Action Taken for BOS Meeting Minutes 06

Name of the Department	Computer Science and Engineering
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	06
Date & Time	23.12.2020 & 10.00 AM
Venue	CSE A/C Seminar Hall (SJB 108)

The following resolutions were passed

- It is resolved to recommend the R2019 syllabi of Fifth to Seventh semester of B.E CSE and R2021 Curriculum and Syllabi of 1 and 2 Semester of M.E CSE the syllabus was approved as presented.

**R 2019- List of Syllabus revised courses from R2017**

Course Code	Course Name	Change Details	Revised content details
<b>B.E - Computer Science and Engineering</b>			
1901MA501	Discrete Mathematics	Revision	2 modules changed
1902CS502	Theory of Computation	Revision	1 module changed
1902CS603	Artificial Intelligence	Revision	4 modules changed
1904GE651	Life Skills: Aptitude II	Revision	1 module changed
<b>M.E - Computer Science and Engineering</b>			
2101CP101	Advanced Mathematics for Scientific Computing	Revision	3 modules changed
2102CP102	Advanced Data Structures and Algorithms	Revision	1 module changed
2101RMX01	Research Methodology and IPR	Revision	2 modules changed
2102CP103	Advanced Data Structures and Algorithms Laboratory	Revision	2 modules changed
2102CP201	Machine Learning Techniques	Revision	3 modules changed
2102CP202	Compiler Optimization Techniques	Revision	2 modules changed
2102CP203	Software Project Management and Testing	Revision	3 modules changed
2102CP205	Database Technology Laboratory	Revision	1 module changed
2103CP001	Ad-hoc Wireless Sensor Networks	Revision	3 modules changed
2103CP004	Mobile Applications and Pervasive Computing	Revision	3 modules changed

**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.

Course Code	Course Name	Change Details	Revised content details
2103CP007	Advanced Computer Architecture	Revision	1 module changed
2103CP010	Advanced Database Technology	Revision	2 modules changed
2103CP004	Mobile Applications and Pervasive Computing	Revision	3 modules changed
2103CP014	Internet Of Things	Revision	3 modules changed
2103CP015	Cloud Computing	Revision	1 module changed

**As per the recommendation of BoS members the following list of New courses are introduced in semesters 5 to 7 of R2019 of B.E Computer Science and Engineering & 1-2 semesters of R2021 of M.E Computer Science and Engineering**

Course Code	Course Name	Change Details
<b>B.E - Computer Science and Engineering</b>		
1903CS001	Mobile Computing	New Course
1901MGX01	Total Quality Management	New Course
1901MCX03	Essence of Indian Traditional Knowledge	New Course
1902CS601	Compiler Design	New Course
1901HS003	Startup Entrepreneurship	New Course
1902CS651	Compiler Laboratory	New Course
1904CS653	Software Prototype development Lab	New Course
<b>M.E - Computer Science and Engineering</b>		
2102CP104	Networking Technologies Laboratory	New Course
2102CP204	Machine Learning Techniques Laboratory	New Course
2104CP206	Mini Project with Seminar	New Course
2103CP002	Networking Technologies	New Course
2103CP003	Advanced Storage Area Network	New Course
2103CP006	Semantic Web	New Course
2103CP008	Software Architecture Patterns	New Course
2103CP009	Cyber Security	New Course
2103CP011	Applied Cryptography	New Course
2103CP012	Biometric Technologies	New Course
2103CP013	Soft Computing	New Course
2103CP016	Deep Learning	New Course

**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.

**List of CBCS/Electives for / offered by M.E. Computer Science and Engineering**

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
<b>SEMESTER-I, PROFESSIONAL ELECTIVES - I</b>									
2103CP001	Ad-hoc Wireless Sensor Networks	3	0	0	3	40	60	100	PE
2103CP002	Networking Technologies	3	0	0	3	40	60	100	PE
2103CP003	Advanced Storage Area Network	3	0	0	3	40	60	100	PE
2103CP004	Mobile Applications and Pervasive Computing	3	0	0	3	40	60	100	PE
<b>SEMESTER-I, PROFESSIONAL ELECTIVES - II</b>									
2103CP005	Advanced Operating Systems	3	0	0	3	40	60	100	PE
2103CP006	Semantic Web	3	0	0	3	40	60	100	PE
2103CP007	Advanced Computer Architecture	3	0	0	3	40	60	100	PE
2103CP008	Software Architecture Patterns	3	0	0	3	40	60	100	PE
<b>SEMESTER-II, PROFESSIONAL ELECTIVES - III</b>									
2103CP009	Cyber Security	3	0	0	3	40	60	100	PE
2103CP010	Advanced Database Technology	3	0	0	3	40	60	100	PE
2103CP011	Applied Cryptography	3	0	0	3	40	60	100	PE
2103CP012	Biometric Technologies	3	0	0	3	40	60	100	PE
<b>SEMESTER-II, PROFESSIONAL ELECTIVES - IV</b>									
2103CP013	Soft Computing	3	0	0	3	40	60	100	PE
2103CP014	Internet Of Things	3	0	0	3	40	60	100	PE
2103CP015	Cloud Computing	3	0	0	3	40	60	100	PE
2103CP016	Deep Learning	3	0	0	3	40	60	100	PE
<b>SEMESTER-III, PROFESSIONAL ELECTIVES - V</b>									
2103CP017	Big Data Analytics	3	0	0	3	40	60	100	PE
2103CP018	Information Retrieval Techniques	3	0	0	3	40	60	100	PE
2103CP019	Foundation of Data Science	3	0	0	3	40	60	100	PE
2103CP020	Data Warehousing and Data Mining	3	0	0	3	40	60	100	PE
<b>OPEN ELECTIVE COURSES</b>									
2103CP014	Internet of Things	3	0	0	3	40	60	100	OE
2103CP017	Big Data Analytics	3	0	0	3	40	60	100	OE
2103CP021	Social Network Analysis	3	0	0	3	40	60	100	OE
2103CP022	Cyber Forensics	3	0	0	3	40	60	100	OE
2103CP023	Social Media Web Analysis	3	0	0	3	40	60	100	OE
2103CP024	Knowledge Engineering and Management	3	0	0	3	40	60	100	OE
<b>AUDIT COURSES</b>									
2101AU001	English for Research Paper Writing	2	0	0	0				AC
2101AU002	Disaster Management	2	0	0	0				AC
2101AU003	Sanskrit for Technical Knowledge	2	0	0	0				AC
2101AU004	Value Education	2	0	0	0				AC

ATTESTED

*[Signature]*  
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.

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
2101AU005	Constitution of India	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

Chairman – BoS (CSE)

**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science &  
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.





**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	Computer Science and Engineering
Name of the Programmes	B.E. Computer Science and Engineering M.E. Computer Science and Engineering
Meeting No.	07
Date & Time	02.07.2021 & 4.00 PM
Venue	Online Meeting: Google Meet meet.google.com/xgk-mksa-hbn

The names of the members present in the Board of Studies are given in Annexure I.

1. Chairman / BoS welcomed all members for the 7<sup>th</sup> meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
  - Discussion and action taken about previous meeting
  - To finalize the curriculum and syllabi of new Regulations 2021 for M.E. CSE PG Programmes for 3<sup>rd</sup> to 4<sup>th</sup> Semesters
  - To finalize the Curriculum and Syllabi of 8<sup>th</sup> Semester B.E. CSE Programme under Regulations 2019
  - Any other matters
4. The following are the suggestions given by the member of Board of Studies
  - The Board of Studies members have gone through the curriculum and Syllabus of PG M.E. Regulations 2021 for 3<sup>rd</sup> to 4<sup>th</sup> Semester Syllabus M.E. CSE PG Programmes and Syllabi of 8<sup>th</sup> Semester B.E. CSE Programme under UG Regulation 2019

**ATTESTED**

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



- **For B.E. CSE Programme**

- Two Professional Electives and Project work.

- It is ensure that every one of the students batch should publish a research paper related with project in reputed journals.

- It is recommended the courses like Big Data Analytics, Machine Learning Techniques, Data Centre and Virtualization as Professional Elective and the syllabus are reviewed and suggested the changes in the syllabus, the members are agreed to the suggestions.

- It is recommended the Professional Electives as mentioned in the meeting.

- PEOs, Vision, Mission, POs and PSOs of the CSE programmes are reviewed with the new regulations curriculum and syllabi.

- Attainment of Course outcomes, Program Outcomes are analyzed and discussed for further approval.

- Mapping of the Curriculum and syllabi of the proposed regulations R2019 with the program specific criteria was presented to the board of members by the Chairman and the board resolved to accept the mapping.

- **For PG M.E. Programmes**

- Under Regulations 2021, the 3<sup>rd</sup> and 4<sup>th</sup> Semester courses were discussed and suggested points incorporated and sent for approval by the Academic Council

- It is recommended that PG students should attend conferences or publish any one reputed journal with his/her research output

- The Chairman analyzed the feedback from the stakeholders and draft the 3<sup>rd</sup> and 4<sup>th</sup> Semester PG M.E. Courses for approval

- **Resolutions:**

It was resolved to incorporate the suggestions given by the BOS members towards the 3<sup>rd</sup> and 4<sup>th</sup> Semester Syllabus of new PG M.E. Regulations 2021 for M.E. CSE PG Programmes and Syllabi of 8<sup>th</sup> Semester B.E. CSE Programme under UG Regulation 2019.

**ATTESTED**



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

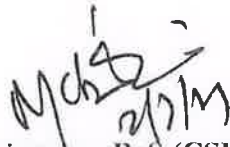
**E.G.S. Pillay Engineering College,  
Thethi, Nagore - 611 002.  
Nagapattinam (Dt) Tamil Nadu.**

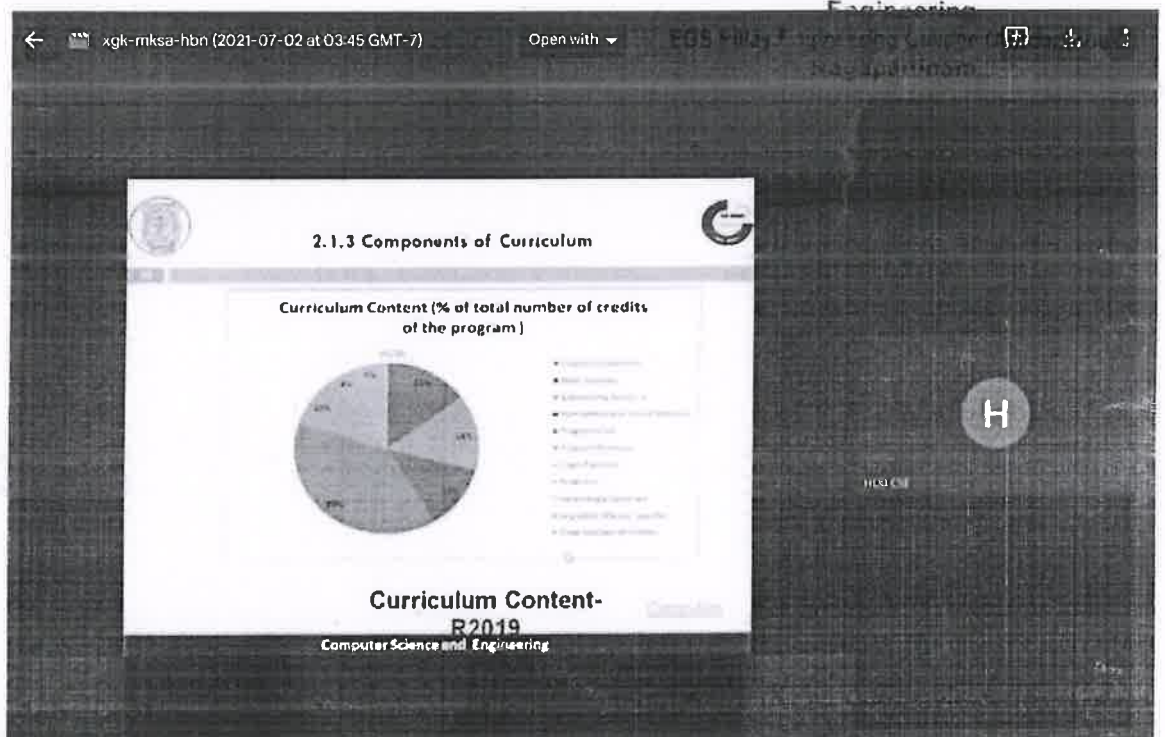
Board of Studies recommended the above resolutions to be presented in the Academic Council for further approval.

Finally the Chairman thanked all the members for their presence and valuable suggestions towards 3<sup>rd</sup> and 4<sup>th</sup> Semester Syllabus of new PG M.E. Regulations 2021 for M.E. CSE PG Programmes and Syllabi of 8<sup>th</sup> Semester B.E. CSE Programme under UG Regulation 2019 for the Computer Science and Engineering Board.

Date: 02.07.2021

Place: Nagapattinam

  
Chairman – BoS (CSE)  
**CHAIRMAN**  
**Board of Studies**  
Department of Computer Science & Engineering



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