



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

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Academic Year
2018-2019



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Minutes of Academic Council Meeting 2018-2019



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Minutes of Board of Studies (2018-2019)



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**Board of BE –
Civil Engineering
Board of ME –
Environmental
Engineering**



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[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 from MODC & SWAYAM.


Chairman (BoS) / CML


Faculty Expert


Senior Faculty


University Representative


Assessor


Senior Faculty


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


Senior Faculty


Senior Faculty



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- 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.
- Project (fabrication) should be removed from the curriculum.

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

Chairman (BOS/Civil)

University Nominee

Subject Expert
2018

Industry Expert

Senior Faculty

Senior Faculty

Senior Faculty

Senior Faculty

Senior Faculty



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B.E.-Civil Engineering

Total Credits to be earned for the award of the Degree: 186/143 (for lateral entry)

Full Time Curriculum

SEMESTER I										
Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CIA	ES	Total		
Theory Course										
1701MA101	Engineering Mathematics I	3	2	0	4	40	60	100	BS	
1701PH101	Applied Physics for Engineers	3	0	0	3	40	60	100	BS	
1701CH103	Water Technology & Green Chemistry	3	0	0	3	40	60	100	BS	
1701EN101	Technical English	3	0	0	3	40	60	100	HS	
1701GE104	Fundamentals of Mechanical Engineering	2	0	2	3	50	50	100	ES	
1701GEX04	Engineering Mechanics	2	2	0	3	40	60	100	ES	
Laboratory Course										
1701GEX53	Workshop Practice	0	0	2	1	50	50	100	ES	
1701HS151	Physics and Chemistry Lab - I	0	0	2	1	50	50	100	BS	
Total		16	04	06	21	350	450	800	-	

SEMESTER II										
Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CIA	ES	Total		
Theory Course										
1701MA201	Engineering Mathematics - II	3	2	0	4	40	60	100	BS	
1701PH204	Material Science	3	0	0	3	40	60	100	BS	
1701CH201	Environmental Studies	3	0	0	3	40	60	100	BS	
1701LE202	Language Elective	3	0	0	3	100	00	100	HS	
1701GEX01	Basic Electrical and Electronics Engineering	3	0	0	3	40	60	100	ES	
1701GEX03	Programming in C	3	0	0	3	40	60	100	ES	
1701GEX02	Engineering Graphics	2	2	0	3	50	50	100	ES	
Laboratory Course										
1701HS251	Physics and Chemistry Lab - II	0	0	2	1	50	50	100	BS	
1701GEX52	Communication Skill Lab	0	0	2	1	50	50	100	HS	
1701GEX51	Programming in C Lab	0	0	2	1	50	50	100	ES	
Total		20	06	6	25	500	500	1000	-	



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B.E.-Civil Engineering

Total Credits to be earned for the award of the Degree: 186/143 (for lateral entry)

Full Time Curriculum

SEMESTER I										
Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CIA	ES	Total		
Theory Course										
1701MA101	Engineering Mathematics I	3	2	0	4	40	60	100	BS	
1701PH101	Applied Physics for Engineers	3	0	0	3	40	60	100	BS	
1701CH103	Water Technology & Green Chemistry	3	0	0	3	40	60	100	BS	
1701EN101	Technical English	3	0	0	3	40	60	100	HS	
1701GE104	Fundamentals of Mechanical Engineering	2	0	2	3	50	50	100	ES	
1701GEX04	Engineering Mechanics	2	2	0	3	40	60	100	ES	
Laboratory Course										
1701GEX53	Workshop Practice	0	0	2	1	50	50	100	ES	
1701HS151	Physics and Chemistry Lab - I	0	0	2	1	50	50	100	BS	
Total		16	04	06	21	350	450	800	-	

SEMESTER II										
Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CIA	ES	Total		
Theory Course										
1701MA201	Engineering Mathematics - II	3	2	0	4	40	60	100	BS	
1701PH204	Material Science	3	0	0	3	40	60	100	BS	
1701CH201	Environmental Studies	3	0	0	3	40	60	100	BS	
1701LE202	Language Elective	3	0	0	3	100	00	100	HS	
1701GEX01	Basic Electrical and Electronics Engineering	3	0	0	3	40	60	100	ES	
1701GEX03	Programming in C	3	0	0	3	40	60	100	ES	
1701GEX02	Engineering Graphics	2	2	0	3	50	50	100	ES	
Laboratory Course										
1701HS251	Physics and Chemistry Lab - II	0	0	2	1	50	50	100	BS	
1701GEX52	Communication Skill Lab	0	0	2	1	50	50	100	HS	
1701GEX51	Programming in C Lab	0	0	2	1	50	50	100	ES	
Total		20	06	6	25	500	500	1000	-	



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Approved in I Academic Council Meeting

SEMESTER III									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
1701MA301	Engineering Mathematics - III	3	2	0	4	40	60	100	BS
1702CE301	Engineering Surveying- I	3	0	0	3	40	60	100	PC
1702CE302	Solid Mechanics I	3	0	0	3	40	60	100	PC
1702CE303	Fluid Mechanics	3	0	0	3	40	60	100	PC
1702CE304	Engineering Geology	3	0	0	3	40	60	100	PC
1702CE305	Building Materials and Management	3	0	0	3	40	60	100	PC
Laboratory Course									
1702CE351	Surveying Lab I	0	0	4	2	50	50	100	PC
1702CE352	Strength of Materials Lab	0	0	2	1	50	50	100	PC
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
Total		18	2	10	24	490	510	1000	-

SEMESTER IV									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
1701MA403	Numerical Methods and Statistics	3	2	0	4	40	60	100	BS
1702CE401	Engineering Surveying II	3	0	0	3	40	60	100	PC
1702CE402	Solid Mechanics II	3	0	0	3	40	60	100	PC
1702CE403	Applied Hydraulic Engineering	3	0	0	3	40	60	100	PC
1702CE404	Geotechnical Engineering-I	3	0	0	3	40	60	100	PC
1702CE405	Transportation Engineering	3	0	0	3	40	60	100	PC
1701CH201	Environmental Studies	3	0	0	3	40	60	100	BS
Laboratory Course									
1702CE451	Hydraulic Engineering Lab	0	0	2	1	50	50	100	PC
1702CE452	Geotechnical Engineering Lab	0	0	2	1	50	50	100	PC
1702CE453	Surveying Lab II	0	0	2	1	50	50	100	PC
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
Total (regular)		18	2	10	24	540	560	1100	-
Total (lateral entry)		21	2	10	27	580	620	1200	-

*For lateral entries only



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SEMESTER V									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
1702CE501	Structural Analysis I	3	2	0	4	40	60	100	PC
1702CE502	Concrete Structures I	3	0	0	3	40	60	100	PC
1702CE503	Concrete Technology	3	0	0	3	40	60	100	HS
1702CE504	Geotechnical Engineering II	3	0	0	3	40	60	100	PC
1703CE001	Remote Sensing and GIS	3	0	0	3	40	60	100	PE
1703CE006	Solid Waste Management	3	0	0	3	40	60	100	PE
Laboratory Course									
1702CE551	Computer Aided Building and Drawing Lab	0	0	4	2	40	60	100	PC
1702CE552	Survey Camp*	0	0	0	1	100	0	100	PC
1704CE553	Mini Project I	0	0	2	1	100	0	100	PC
1704GE551	Life Skills: Aptitude - I	0	0	2	1	100	0	100	EEC
Total		18	4	08	24	580	420	1000	-

SEMESTER VI									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
1702CE601	Structural Analysis II	3	2	0	4	40	60	100	PC
1702CE602	Concrete Structures II	3	0	0	3	40	60	100	PC
1702CE603	Design Of Steel Structures	3	0	0	3	40	60	100	PC
1702CE604	Water Supply Engineering	3	0	0	3	40	60	100	PC
1703CE009	Ground Water Engineering	3	0	0	3	40	60	100	PE
	Elective IV (Open)	3	0	0	3	40	60	100	PE
Laboratory Course									
1702CE651	Concrete And Highway Engineering Lab	0	0	2	1	50	50	100	PC
1702CE652	Environmental And Irrigation Design and Drawing	0	0	4	2	50	50	100	PC
1704GE651	Life Skills: Aptitude - II	0	0	2	1	100	0	100	EEC
1702CE653	Mini Project II	0	0	2	1	100	0	100	PC
1702CE654	Industrial Visit / Presentation	0	0	0	1	-	-	--	-
Total		18	2	10	25	540	460	1000	



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SEMESTER VII									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
1702CE701	Quantity Surveying & Cost Estimation	3	0	0	3	40	60	100	PC
1702CE702	Waste Water Engineering	3	0	0	3	40	60	100	PC
1702CE703	Structural Dynamics and Earth Quake Engineering	3	0	0	3	40	60	100	PC
1701MGX01	Professional Ethics	3	0	0	3	40	60	100	HS
1703CE015	Pre-Stressed Concrete	3	0	0	3	40	60	100	PE
	Elective VI (Open)	3	0	0	3	40	60	100	PE
Laboratory Course									
1702CE751	Computer Aided Design and Drafting Lab	0	0	4	2	50	50	100	PC
1702CE752	Water And Waste Water Engineering Lab	0	0	2	1	50	50	100	PC
1702CE753	Mini Project III	0	0	2	1	100	0	100	PC
1704GE751	Competitive exams Preparation	2	0	0	2	100	0	100	EEC
1702CE754	In plant Training / Internship Presentation	0	0	0	1	-	-	-	-
Total		21	0	10	25	540	460	1000	-

SEMESTER VIII									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
1703CE019	Storage And Industrial Structures (Elective VII)	3	0	0	3	40	60	100	PE
1703CE021	Repair And Rehabilitation of Structures (Elective VIII)	3	0	0	3	40	60	100	PE
1703CE025	Traffic Engineering and Management (Elective IX)	3	0	0	3	40	60	100	PE
Laboratory Course									
1702CE851	Project	0	0	18	9	50	50	100	PC
Total		09	0	18	18	170	230	400	-



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M.E. – Environmental Engineering | E.G.S. Pillay Engineering College | Regulations 2017
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M.E.-Environmental Engineering Total Credits to be earned for the award of the Degree: 70 Full Time Curriculum and Syllabus

SEMESTER I									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
17EV101	Statistics For Environmental Engineers	3	2	0	4	40	60	100	FC
17EV102	Environmental Chemistry	3	0	0	3	40	60	100	PC
17EV103	Environmental Microbiology	3	0	0	3	40	60	100	PC
17EV104	Transport of Water and Waste Water	3	0	0	3	40	60	100	PC
17EV105	Principles and Design of Physico-Chemical Treatment Systems	3	0	0	3	40	60	100	PC
	Elective-I	3	0	0	3	40	60	100	PE
Laboratory Course									
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
Total		18	2	6	22	440	460	900	

SEMESTER II									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
Theory Course									
17EV201	Principles and Design of Biological Treatment Systems	3	0	0	3	40	60	100	FC
17EV202	Air Pollution Monitoring and Control	3	0	0	3	40	60	100	PC
17EV203	Industrial Waste Management	3	0	0	3	40	60	100	PC
17EV204	Solid and Hazardous Waste Management	3	0	0	3	40	60	100	PC
17EV205	Environmental Impact Assessment	3	0	0	3	40	60	100	PC
	Elective II	3	0	0	3	40	60	100	PE
Laboratory Course									
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
Total		18	0	6	21	440	460	900	

SEMESTER III									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
	Elective III	3	0	0	3	40	60	100	PE
	Elective IV	3	0	0	3	40	60	100	PE
	Elective V (Open)	3	0	0	3	40	60	100	OE
17EV301	Project Work (Phase I)	0	0	12	6	50	50	100	EEC
Total		9	0	12	15	170	230	400	

SEMESTER IV									
Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV401	Project Work (Phase II)	0	0	24	12	50	50	100	EEC
Total		0	0	24	12	50	50	100	



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M.E. – Environmental Engineering | E.G.S. Pillay Engineering College | Regulations 2017
Approved in I.Academic Council Meeting

List of Programme Electives for M.E – Environmental Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modeling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modeling	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 Modeling	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

List of Open Electives Offered by the Department of Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17PE021	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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**Board of BE –
Computer Science
and Engineering**

**Board of ME –
Computer Science
and Engineering**



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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.	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 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. CSE Programme and curriculum of 1st to 4th Semesters and syllabi of first and second semester M.E. CSE Programme.
 - * To finalize the curriculum of 3rd & 4th 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, P/Os, POs and the PSOs.
 - * The feedback from the stakeholders of Employers, Faculty member, Alumni, 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.



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- 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 3rd or 4th 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 3rd – 8th Semester of B.E. CSE and 3rd and 4th 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, PHOs, POs and PSDs 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 flye references books are suggested
 - Subjects regarding the preparation for industry readiness and GIATF 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



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- Hybridized system of Distributed Computing is necessary to add in 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



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• Question Paper Pattern

o 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 3rd – 8th semester B.E CSE and 3rd & 4th 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

Chairman – BoS (CSE)

CHAIRMAN

Board of Studies

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



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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.MARAMUDHAN		
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		

Chairman - BoS (CSE)

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



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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 1

- Chairman / BoS welcomed all members for the 2nd meeting of Board of Studies.
- Chairman / BoS introduced the members.
- 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 semester and M.E. CSE Programme from third to fourth semester.
 - Any other matters.
- The following are the suggestions given by the member of Board of Studies.
 - The Board of Studies members have gone through the syllabi of 3rd to 8th Semester B.E. CSE and 3rd to 4th Semester of M.E. CSE programmes.
 - For B.E. CSE – Undergraduate Programme:**
 - As per the approval of 1st 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.



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It is recommended to bring courses such as Mobile Computing and Ad hoc Networks as 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 facilitates 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 4th 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 easier 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 as 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.



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- It is proposed to recommend the syllabus for the 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 Director

Subject Expert

Subject Expert

Faculty Expert

Member

Senior Faculty

Senior Faculty

Senior Faculty



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M.E. – Environmental Engineering | E.G.S. Pillay Engineering College | Regulations 2017
Approved in I Academic Council Meeting

List of Programme Electives for M.E – Environmental Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV001	Air Pollution Meteorology and Modeling	3	-	-	3	40	60	100	PE
17EV002	Climate Change and Modeling	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 Modeling	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

List of Open Electives Offered by the Department of Civil Engineering

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
17EV020	Research Methodology	3	-	-	3	40	60	100	OE
17PE021	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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Board of BE – Electronics and Communication Engineering

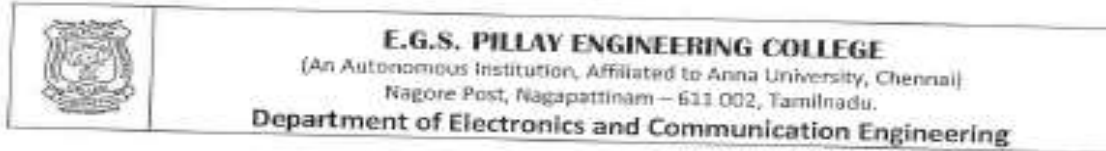


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Minutes of Board of Studies (BoS) Meeting

UG-B.E Electronics and Communication Engineering

Name of the Department	Electronics and Communication Engineering
Name of the Programmes	B.E. Electronics and Communication Engineering
Meeting No.	02
Date & Time	21.04.2018 & 10.00 A.M.
Venue	ECE - SJB 115

1. Chairman / BoS welcomed all members for the 2nd meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS review the contents of 1st BOS meeting.
4. Chairman / BoS briefed the members about the Agenda.
 - To finalize the curriculum and syllabi of 3rd – 8th Semester B.E ECE.
 - Any other matters.
5. The following are the suggestions given by the members of Board of Studies in curriculum.
 - Elective IX is changed as open elective .
 - Open elective is changed to elective IX.
 - Elective X is introduced instead of embedded systems.
 - Self-study elective is named as elective X.

3rd Sem:

1. In engineering mathematics-III, 2 units must consist of linear algebra and 3 units must consist of partial differential equations, unit 2 and 4 is removed from engineering mathematics-III.
2. Syllabus to be updated in Data Structures and C++ and latest content to be included.
3. In network analysis and synthesis, 3 units must consist of Analysis part and 2 units must consist of Synthesis part and unit five to be removed, add text book to Network analysis and synthesis.
4. In digital circuits and system, number systems must to be added in 1st unit as 1st topic, introduction about Verilog to be included in 5th unit and modify the syllabus, memory can be reduced in 5th unit and it is moved to VLSI or microcontroller. Design of Verilog program is moved to 5th unit. 5th unit title is renamed as Programmable Logic Devices and HDL programming and text book to be added for Verilog programming.
5. In Electronics Circuits, Text book 5 and 6 replaced as 1 and 2.
6. In Digital Electronics lab, subdivisions and IC number to be removed.
7. Remove references for Laboratory courses, utilize the theory references for laboratory also and make uniform number of experiments for all laboratory courses as 12.
8. In Electronics Circuits lab, Frequency Response of CE/CB/CS amplifier is renamed as design and analysis of CE and CB amplifier.

Pillay 21/4/18

J. Ramakrishna 21/04/18
(Dr. J. Ramakrishna)



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Sem 4:

1. Syllabus to be updated for Probability and Random Process.
2. In Signals and Systems, unit 3 must start with impulse response – Convolution Integral - Analysis and characterization of LTI system using Fourier and Laplace transform, in unit 5, Analysis and characterization of DT system using Z transform is changed to Analysis and characterization of DT system using DTFT and Z transform, references will be unique for all subjects and remove the program concepts in all units.
3. In Analog Integrated Circuits, remove the word tuned amplifier in unit 5 title; Text book to be added, unit 1 must consist of basic Op-Amp characteristics, unit 2 must consist of applications of Op-Amp, unit 3 must consist of Op-Amp based feedback amplifiers and oscillators, unit 4 consist of multivibrator, ADC and DAC, unit 5 consist of application IC's like 555 voltage regulator, switched capacitor, frequency to voltage converter, voltage frequency converter, isolation amplifier, audio and video power amplifier, VCO and PLL.
4. In Microprocessor and Microcontroller, unit 5 title is renamed as Architecture of Advanced Processors.
5. In Transmission Lines and Waveguides, unit 2 title is renamed as Impedance matching in Transmission Lines, text book to be added.
6. In Control Systems Engineering, controllers like PI, PID to be replaced in unit 5 and text book to be added.
7. In Analog Integrated Circuits Laboratory, maximum experiments can be 12 and 2 or 3 Simulation experiments is enough.
8. In Microprocessor and Microcontroller laboratory, 8085 consist of basic arithmetic and logic operations, sorting and searching and floating point, 8051 consist of basic arithmetic and logic operations and 5 interfacing experiments.

~~Computer Architecture will be included in the syllabus of the subject in Sem 4.~~

Sem 5:

1. In Analog Communication, at the end of the unit 1, superhetrodyne receiver must be added, receiver parameter such as sensitivity, fidelity must be added in unit 2, unit 3 title is changed to Random process [random variables, random process, auto correlation process, power spectral density, stationary process, Wiener-Khinchin theorem, transmission of random process through LTI system, WSS ergodic process, Gaussians] and in unit 4 title is changed to Noise in Communication system [Noise calculation, noise figure, noise temperature, noise equivalent bandwidth, narrowband noise, noise in AM receiver, noise in DSBSC receiver, Noise in SSB receiver, Noise in FM receiver, capture and threshold effect, pre-emphasis and de-emphasis in FM system, Comparison of noise performance of AM and FM systems. In unit 5, PAM, PWM, PPM, Time Division Multiplexing, PFM are to be added. Reference books are replaced by Proakis, Simon Haykin, Digital and Data communication by Jack Quinn.
2. In Digital Signal Processing, unit 1 and unit 5 are swapped and rearrange the unit numbers, reference book 4 need to be changed to reference book 3.
3. In Analog Communication lab, experiment number 1 is changed as generation and demodulation of AM, experiment number 2 is changed as generation and demodulation of FM. Remove experiments number 3 and 4, Experiment number 3 must be FM demodulation using PLL. Experiment number 4 must be study of kit based PAM, PWM, PDM. Experiment number 5 is to be study of FDM and TDM. Experiment number 6 is to be Mat lab/Scilab/Equivalent simulation [Experiment number 6 AM, Experiment number 7 FM, Experiment number 8 super heterodyne, Experiment number 9 is performance analysis of noise in communication system, Experiment number 10 is noise removal (Suppression of interference)
4. In Digital Signal Processing Laboratory, first 7 experiments must be in simulation; next 4 experiments must be in processor. Instead of study experiment, filter implementation using DSPs must be included. Experiment number 9 is generation of waveform using DSPs. Experiment

Palj 21/4/17

Mr. G. S. S. 21/04/18



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number 6 should be removed. In experiment number 11, change 5x to 54. Processor name should not be mentioned. In additional experiment, don't mention Texas.

5. In Robotic vision, in unit 1 introduction, 2D image transform, image filtering must be included. Unit 2 and unit 3 must be combined as unit 2. Unit 3 is image recognition [feature extraction, transform based, sift, image classification, Bayes classification, SVM, deep learning etc. must be included. Unit 4 title is Video Analytics [Video surveillance, foreground extraction, pedestrian detection, video analytics for navigation, abandoned objects detection etc. Unit 5 should be related to machine learning. Image processing by Gonzalez, Machine learning by Bishop and pattern recognition by Duda and Hart must be added as reference books.
6. Computer organization and architecture is renamed as Computer Architecture and Organization. Memory related content removed from digital circuits may be brought here in unit 3. Reference book Morris mono should be included.
7. In measurement and Instrumentation, latest book must be added and check the edition. Refer Shahane as a text book.
8. In Virtual instrumentation, in unit 5, description should be added and tools set to be elaborated.

Sem 6:

1. In VLSI Design, unit 1 must be removed, instead of that CMOS digital circuits, CMOS inverters, etc. should be included in unit 1.
2. In Digital Communication, unit 1 syllabus should be replaced by university department communication theory 1st unit. Syllabus for unit 2 to unit 5 should be replaced by university department Digital Communication and Techniques. Reference books are also taken from university department.
3. In wireless network and standards, take Schiller and Garg as a text book. It should be removed from further reading.
4. In VLSI Design laboratory, number of experiment should be reduced to 10. Experiment numbers 1, 2 and 3 are combined and consider together as experiment number 1. Similarly Experiment numbers 5, 6 and 7 are combined and consider together as experiment number 3.
5. Information Theory is changed as Information Theory and Coding and follow the University department syllabus.
6. Neural Networks should be removed and move Soft Computing from elective IV (Open Elective) to elective III.

Sem 7:

1. Microwave Electronics is renamed as Microwave Engineering.
2. In wireless communication, unit 4 title is renamed as modulation schemes and spread spectrum. Unit 5 title is renamed as diversities techniques. Few contents from unit 4 is moved to unit 5. Reference book to be added in order.
3. Embedded system is combined with embedded lab. Unit 5 title is renamed as Embedded controller.
4. Embedded System laboratory is to be removed.
5. Pattern recognition, Speech processing, VLSI signal processing, RF system design, Multimedia Communication and Cloud Computing syllabus are to re-written.
6. Remove Advanced Wireless Communication from elective VII.
7. Remove Wireless Ad-Hoc and Sensor Network from elective VII and Ad-Hoc wireless Network or Wireless Sensor Network may be included.

Elective courses:

1. CMOS VLSI design is elective IX to be titled as Digital System Design and Testing. Contents of earlier VLSI design (Core) to be used in Digital System Design and Testing.
2. In RFMEMS, unit 1 is renamed as Introduction, remove & symbol from unit 4.
3. In Digital Switching System is retitled as Digital Switching and Transmission.
4. In ARM Processor, unit 3 may be compressed.
5. In Mobile Computing, reference 2 should be moved to reference 1.

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*M. Ramesh 21/04/18
(M. Ramesh)*



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number 6 should be removed. In experiment number 11, change 5x to 54. Processor name should not be mentioned. In additional experiment, don't mention Texas.

5. In Robotic vision, in unit 1 introduction, 2D image transform, image filtering must be included. Unit 2 and unit 3 must be combined as unit 2. Unit 3 is image recognition [feature extraction, transform based, sift, image classification, Bayes classification, SVM, deep learning etc. must be included. Unit 4 title is Video Analytics [Video surveillance, face ground extraction, pedestrian detection, video analytics for navigation, abandoned objects detection etc. Unit 5 should be related to machine learning. Image processing by Gonzalez, Machine learning by Bishop and pattern recognition by Dudo and hart must be added as reference books.
6. Computer organization and architecture is renamed as Computer Architecture and Organization. Memory related content removed from digital circuits may be brought here in unit 3. Reference book Morris mono should be included.
7. In measurement and Instrumentation, latest book must be added and check the edition. Refer Shahane as a text book.
8. In Virtual instrumentation, in unit 5, description should be added and tools set to be elaborated.

Sem 6:

1. In VLSI Design, unit 1 must be removed, instead of that CMOS digital circuits, COMS invertors, etc. should be included in unit 1.
2. In Digital Communication, unit 1 syllabus should be replaced by university department communication theory 1st unit. Syllabus for unit 2 to unit 5 should be replaced by university department Digital Communication and Techniques. Reference books are also taken from university department.
3. In wireless network and standards, take Schiller and Garg as a text book. It should be removed from further reading.
4. In VLSI Design laboratory, number of experiment should be reduced to 10. Experiment numbers 1, 2 and 3 are combined and consider together as experiment number 1. Similarly Experiment numbers 5, 6 and 7 are combined and consider together as experiment number 3.
5. Information Theory is changed as Information Theory and Coding and follow the University department syllabus.
6. Neural Networks should be removed and move Soft Computing from elective IV (Open Elective) to elective III.

Sem 7:

1. Microwave Electronics is renamed as Microwave Engineering.
2. In wireless communication, unit 4 title is renamed as modulation schemes and spread spectrum. Unit 5 title is renamed as diversities techniques. Few contents from unit 4 is moved to unit 5. Reference book to be added in order.
3. Embedded system is combined with embedded lab. Unit 5 title is renamed as Embedded controller.
4. Embedded System laboratory is to be removed.
5. Pattern recognition, Speech processing, VLSI signal processing, RF system design, Multimedia Communication and Cloud Computing syllabus are to re-written.
6. Remove Advanced Wireless Communication from elective VII.
7. Remove Wireless Ad-Hoc and Sensor Network from elective VII and Ad-Hoc wireless Network or Wireless Sensor Network may be included.

Elective courses:

1. CMOS VLSI design is elective IX to be titled as Digital System Design and Testing. Contents of earlier VLSI design (Core) to be used in Digital System Design and Testing.
2. In RF MEMS, unit 1 is renamed as Introduction, remove & symbol from unit 4.
3. In Digital Switching System is retitled as Digital Switching and Transmission.
4. In ARM Processor, unit 3 may be compressed.
5. In Mobile Computing, reference 2 should be moved to reference 1.

Patil 21/4/18

Dr. J. Ramethi 21/04/18
(Dr. J. Ramethi)



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6. Mixed Signal IC Design is renamed as Mixed Signal CMOS Design and reference book to be added.
7. In Radar and Navigation Aids unit 5 title should be changed.
8. In Satellite communication reference book to be added.
9. In system on chip syllabus to be rewritten
10. In low power VLSI syllabus to be based on book Gary Yeap
11. In Analog IC design syllabus to be fully changed based university departments.
12. Remove System design with FPGA
13. Remove cryptography from self-study
14. Remove introduction to Embedded controller from self-study elective
15. In ASIC design remove the unit 4 content and add timing and power consumption issues.
16. Broad band mobile cellular communication has to be renamed as Broadband communication network.
17. In VLSI for Wireless communication reference need to be changed.
18. New one credit course(Embedded system design using MSP430, Software Defined Radio, Application of ANN and Fuzzy logic, Real data acquisition and signal processing using LABVIEW, Internet of Things, Microwave/RF circuit design including 3D EM modeling) replaced instead of Back end design of digital circuits, Android application development, 3D animations AC/DC drives, Raspberry PI
19. In 1 credit paper instead of ANN neural networks and fuzzy logic to be included.
20. Remove SDR from title Software defined Radio
21. Remove IOT from 1 credit course. Instead of that add Python Programming

Raj 21/4/18

J. Ramesh 21/04/18
(Dr. J. Ramesh)



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Detail minute attached

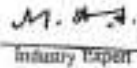

Chairman (005)

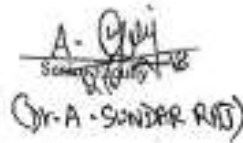
R.S. Rameshwarani


Subject Expert
(Dr. J. Ramesh)


Senior Faculty
(M. Vijayalakshmi)


University Nominee
Mala Jothi


Industry Expert


Senior Faculty
(Dr. A. Sundar Raj)


Subject Expert
Dr. M. BHASKAR, NIT
PROFESSOR, TRICHY


Alumnus
DHAKSHINAMOORTHY, B
Soh. Architect, TARA COMM LTD, CH


Senior Faculty
(Dr. A. Rajaram)



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Annexure – I



Board of Studies Meeting

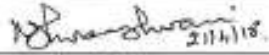
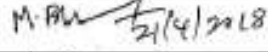
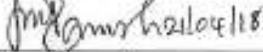
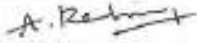

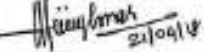
Attendance

Name of the Department : Electronics and Communication Engineering

Meeting No : 02

Date & Time : 21-04-2018 & 10.00 A.M.

Venue : ECE A/C Seminar Hall

Sl.No.	Name	Category	Signature
1	Prof. R.S.KOTEESHWARI	Chairman	
2	Dr. MALA JOHN	University Nominee	
3	Dr. M. BHASKAR	External Expert Members	
4	Dr. J. RAMESH		
5	Dr. N. B. BALAMURUGAN		
6	Mr. YATHEESH MOHAN	Industry / Corporate Sector	
7	Mr. J. MUTHUKUMAR	Alumnus	
8	Mr. B. DHAKSHINAMOORTHY		
9	Dr. A. RAJARAM	Internal Members	
10	Dr. A. SUNDAR RAJ		
11	Prof. M. VIJAYAKUMAR		
12	Prof. V. ELAVARASI		


Chairman – BoS (ECE)
CHAIRMAN
Board of Studies
Department of Electronic &
Communication Engineering
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam.



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Annexure – I

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

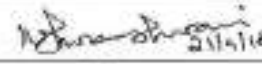
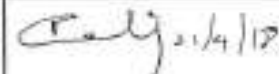

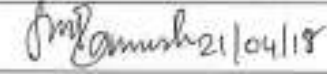
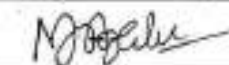
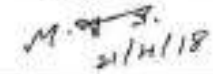
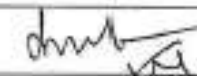
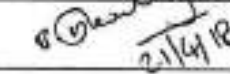
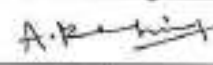
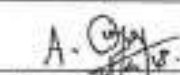
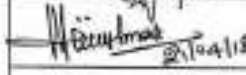
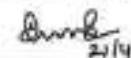
Attendance

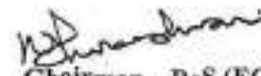
Name of the Department : Electronics and Communication Engineering

Meeting No : 02

Date & Time : 21-04-2018 & 10.00 A.M.

Venue : ECE A/C Seminar Hall

Sl.No.	Name	Category	Signature
1	Prof. R.S.KOTEESHWARI	Chairman	
2	Dr. MALA JOHN	University Nominee	
3	Dr. M. BHASKAR	External Expert Members	
4	Dr. J. RAMESH		
5	Dr. N. B. BALAMURUGAN		
6	Mr. YATHEESH MOHAN	Industry / Corporate Sector	
7	Mr. J. MUTHUKUMAR	Alumnus	
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11	Prof. M. VIJAYAKUMAR		
12	Prof. V. ELAVARASI		


Chairman – BoS (ECE)
CHAIRMAN
Board of Studies
Department of Electronic &
Communication Engineering
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam.



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(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

Minutes of Board of Studies(BoS) Meeting

UG-B.E Electronics and Communication Engineering

Name of the Department	Electronics and Communication Engineering
Name of the Programmes	B.E. Electronics and Communication Engineering
Meeting No.	02
Date & Time	21.04.2018 & 10.00 A.M.
Venue	ECE - SJB 115

1. Chairman/BoS welcomed all members for the 2nd meeting of Board of Studies.
2. Chairman/BoS introduced the members.
3. Chairman/BoS review the contents of 1st BOS meeting.
4. Chairman/BoS briefed the members about the Agenda.
 - To finalize the curriculum and syllabi of 3rd – 8th Semester B.E ECE.
 - Any other matters.
5. The following are the suggestions given by the members of Board of Studies in curriculum.
 - Elective IX is changed as open elective
 - Open elective is changed to elective IX.
 - Elective X is introduced instead of embedded systems.
 - Self-study elective is named as elective X.

3rdSem:

1. In engineering mathematics-III, 2 units must consist of linear algebra and 3 units must consist of partial differential equations, unit 2 and 4 is removed from engineering mathematics-III.
2. Syllabus to be updated in Data Structures and C++ and latest content to be included.
3. In network analysis and synthesis, 3 units must consist of Analysis part and 2 units must consist of Synthesis part and unit five to be removed, add text book to Network analysis and synthesis.
4. In digital circuits and system, number systems must to be added in 1st unit as 1st topic, introduction about Verilog to be included in 5th unit and modify the syllabus, memory can be reduced in 5th unit and it is moved to VLSI or microcontroller, Design of Verilog program is moved to 5th unit, 5th unit title is renamed as Programmable Logic Devices and HDL programming and text book to be added for Verilog programming.
5. In Electronics Circuits, Text book 5 and 6 replaced as 1 and 2.
6. In Digital Electronics lab, subdivisions and IC number to be removed.
7. Remove references for Laboratory courses, utilize the theory references for laboratory also and make uniform number of experiments for all laboratory courses as 12.
8. In Electronics Circuits lab, Frequency Response of CE/CB/CS amplifier is renamed as design and analysis of CE and CB amplifier.



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Sem 4:

1. Syllabus to be updated for Probability and Random Process.
2. In Signals and Systems, unit 3 must start with impulse response – Convolution Integral - Analysis and characterization of LTI system using Fourier and Laplace transform. in unit 5, Analysis and characterization of DT system using Z transform is changed to Analysis and characterization of DT system using DTFT and Z transform, references will be unique for all subjects and remove the program concepts in all units.
3. In Analog Integrated Circuits, remove the word tuned amplifier in unit 5 title, Text book to be added, unit 1 must consist of basic Op-Amp characteristics, unit 2 must consist of applications of Op-Amp, unit 3 must consist of Op-Amp based feedback amplifiers and oscillators, unit 4 consist of multivibrator, ADC and DAC, unit 5 consist of application IC's like 555 voltage regulator, switched capacitor, frequency to voltage converter, voltage frequency converter, isolation amplifier, audio and video power amplifier, VCO and PLL.
4. In Microprocessor and Microcontroller, unit 5 title is renamed as Architecture of Advanced Processors.
5. In Transmission Lines and Waveguides, unit 2 title is renamed as Impedance matching in Transmission Lines, text book to be added.
6. In Control Systems Engineering, controllers like PI, PID to be replaced in unit 5 and text book to be added.
7. In Analog Integrated Circuits Laboratory, maximum experiments can be 12 and 2 or 3 Simulation experiments is enough.
8. In Microprocessor and Microcontroller laboratory, 8085 consist of basic arithmetic and logic operations, sorting and searching and floating point, 8051 consist of basic arithmetic and logic operations and 5 interfacing experiments.
9. Computer Architecture will be included as compulsory elective in semester V.

Sem 5:

1. In Analog Communication, at the end of the unit 1, superhetrodyne receiver must be added, receiver parameter such as sensitivity, fidelity must be added in unit 2, unit 3 title is changed to Random process [random variables, random process, auto correlation process, power spectral density, stationary process, Wiener-Khinchin theorem, transmission of random process through LTI system, WSS ergodic process, Gaussians] and in unit 4 title is changed to Noise in Communication system [Noise calculation, noise figure, noise temperature, noise equivalent bandwidth, narrowband noise, noise in AM receiver, noise in DSBSC receiver, Noise in SSB receiver, Noise in FM receiver, capture and threshold effect, pre-emphasis and de-emphasis in FM system, Comparison of noise performance of AM and FM systems. In unit 5, PAM, PWM, PPM, Time Division Multiplexing, PDM are to be added. Reference books are replaced by Proakis, Simon Haykin, Digital and Data communication by Jack Quinn.
2. In Digital Signal Processing, unit 1 and unit 5 are swapped and rearrange the unit numbers, reference book 4 need to be changed to reference book 3.
3. In Analog Communication lab, experiment number 1 is changed as generation and demodulation of AM, experiment number 2 is changed as generation and demodulation of FM. Remove experiments number 3 and 4, Experiment number 3 must be FM demodulation using PLL. Experiment number 4 must be study of kit based PAM, PWM, PDM. Experiment number 5 is to be study of FDM and TDM. Experiment number 6 is to be Mat lab/Scilab/Equivalent simulation [Experiment number 6 AM, Experiment number 7 FM, Experiment number 8 super heterodyne, Experiment number 9 is performance analysis of noise in communication system, Experiment number 10 is noise removal (Suppression of interference)
4. In Digital Signal Processing Laboratory, first 7 experiments must be in simulation; next 4 experiments must be in processor. Instead of study experiment, filter implementation using DSPs must be included. Experiment number 9 is generation of waveform using DSPs. Experiment



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number 6 should be removed. In experiment number 11, change 5x to 54. Processor name should not be mentioned. In additional experiment, don't mention Texas.

5. In Robotic vision, in unit 1 introduction, 2D image transform, image filtering must be included. Unit 2 and unit 3 must be combined as unit 2. Unit 3 is image recognition [feature extraction, transform based, sift, image classification, Bayes classification, SVM, deep learning etc. must be included. Unit 4 title is Video Analytics [Video surveillance, four ground extraction, pedestrian deduction, video analytics for navigation, abounded objects deduction etc. Unit 5 should be related to machine learning. Image processing by Gonzalez, Machine learning by Bishop and pattern recognition by Dudo and hart must be added as reference books.
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8. In Virtual instrumentation, in unit 5, description should be added and tools set to be elaborated.

Sem 6:

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2. In Digital Communication, unit 1 syllabus should be replaced by university department communication theory 1st unit. Syllabus for unit 2 to unit 5 should be replaced by university department Digital Communication and Techniques. Reference books are also taken from university department.
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6. Neural Networks should be removed and move Soft Computing from elective IV (Open Elective) to elective III.

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2. In wireless communication, unit 4 title is renamed as modulation schemes and spread spectrum. Unit 5 title is renamed as diversities techniques. Few contents from unit 4 is moved to unit 5. Reference book to be added in order.
3. Embedded system is combined with embedded lab. Unit 5 title is renamed as Embedded controller.
4. Embedded System laboratory is to be removed.
5. Pattern recognition, Speech processing, VLSI signal processing, RF system design, Multimedia Communication and Cloud Computing syllabus are to re-written.
6. Remove Advanced Wireless Communication from Elective VII.
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Elective courses:

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3. In Digital Switching System is retitled as Digital Switching and Transmission.
4. In ARM Processor, unit 3 may be compressed.
5. In Mobile Computing, reference 2 should be moved to reference 1.



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11. In Analog IC design syllabus to be fully changed based university departments.
12. Remove System design with FPGA
13. Remove cryptography from self-study
14. Remove introduction to Embedded controller from self-study elective
15. In ASIC design remove the unit 4 content and add timing and power consumption issues.
16. Broad band mobile cellular communication has to be renamed as Broadband communication network.
17. In VLSI for Wireless communication reference need to be changed.
18. New one credit course(Embedded system design using MSP430, Software Defined Radio, Application of ANN and Fuzzy logic, Real data acquisition and signal processing using LABVIEW, Internet of Things, Microwave/RF circuit design including 3D EM modeling) replaced instead of Back end design of digital circuits, Android application development, 3D animations AC/DC drives, Raspberry PI
19. In 1 credit paper instead of ANN neural networks and fuzzy logic to be included.
20. Remove SDR from title Software defined Radio
21. Remove IOT from 1 credit course. Instead of that add Python Programming



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**Board of B.E –
Electrical and
Electronics
Engineering & Power
Electronics and Drives**

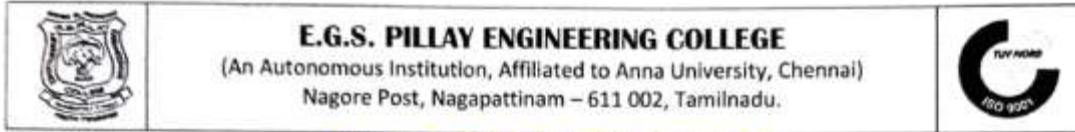


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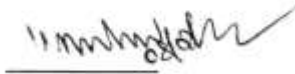
Minutes of Board of Studies(BoS) Meeting

Name of the Department	Electrical and Electronics Engineering
Name of the Programmes	B.E. Electrical and Electronics Engineering M.E. Power Electronics and Drives
Meeting No.	01
Date & Time	08.07.2017 & 10.00 A.M.
Venue	Board Room

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. EEE Programmes and 1st to 4th Semesters M.E. PED Programmes.
 - To finalize the curriculum of 3rd – 8th Semester B.E. EEE.
 - 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.

(i) Suggestions Related to UG Regulations:

1. Dr.N.Kumaresan and Mr.B.Ganesh has suggested that first year students of stream A & Stream B have to do both the courses Basic and Communicative English equally.
2. Fast track system requirements (Vide clause 3.7) can be made clear that, whether the students has to maintain the CGPA of 8.5 till 4th semester or 6th semester.
3. Dr.S.Jeevananthan has suggested that, the open elective may be renamed as general elective.

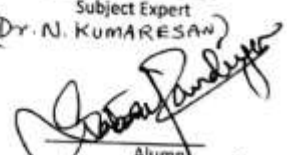

Chairman (BoS)
(Dr. V. MOHAN)

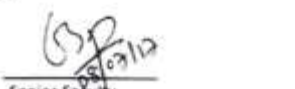

University Nominee
(Dr. S. HASMIN THILAGAR)

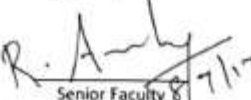

Subject Expert
(Dr. N. KUMARESAN)

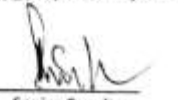

Subject Expert
(Dr. S. JEEVANANTHAN)


Industry Expert
(B. GANESH)


Alumni
(Dr. SABARI PANDIYAN)


Senior Faculty
(Dr. T. SURESH PADMANABHAN)


Senior Faculty
(R. ANANDARAJ)


Senior Faculty
(K. KRISHNAM)



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4. Mandatory courses like NCC / NSS / YRC / RRC etc. should not be linked with appearance of end semester examinations in other semesters.
5. Dr.N.Kumaresan has suggested to mention the formation and other details related to Project assessment committee for UG (Vide Clause 3.8) & PG (Vide Clause 4.ii).
6. Dr.N.Kumaresan & Dr.S.Jeevananthan have suggested to reconsider the number of Journals / Conferences to be published by the students after completing UG / PG projects (Vide Clause 5.4) and also they have suggested that, student can publish at least one paper in International Conference / National / International Journals.
7. Dr.S.Jeevananthan has suggested to check the number of credits to be obtained by a student before registering for a PG project work (Vide Clause 5.4)
8. Technical Seminar I and Technical Seminar II can be differentiated.
9. Clarity needed in Internship evaluation and assessment by institute / Industry level.
10. Credit can be transferred for the courses done by the students through online in other universities / NPTEL / Industries.

(ii) Suggestions related to BE – EEE Curriculum and Syllabi

a. Semester I:

1. Dr.N.Kumaresan and Dr.S.Jeevananthan have suggested to split the Basic Civil & Mechanical subject in to two courses namely, (1) Basic Civil Engineering and (2) Basic Mechanical Engineering. This course has to be included instead of Basic Electrical and Electronics Engineering (BEEE), but BEEE can be a common course for other branch of studies.

b. Semester II:

1. Dr.N.Kumaresan has suggested that instead of Basic English II, student has to select Communicative English I to equalize the course done by stream A & B at one point of time.
2. Mr.B.Ganesh has suggested to include, water treatment process in Environmental Science Course.


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Subject Expert
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Alumni
(D. SABARIPANDIYAN)



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3. Dr.S.Jeevananthan and Dr.N.Kumaresan have suggested the following in Electric Circuit Analysis Course:
 - (i) Unit I - Title as DC Circuits.
 - (ii) Unit II – Title as AC Circuits
 - (iii) Add the word "etc." after theorems in Unit I & II.
 - (iv) J.W.Nilsson & Reydale, "Electric circuits", Pearson Education book can be added as a reference.

c. Semester III:

1. Dr.S.Jeevananthan has suggested to swap Electrical Machines I theory & Lab from 4th to 3rd semester.
2. Similarly OOPS Theory and Lab can be swap from 3rd to 5th semester.

d. Semester IV:

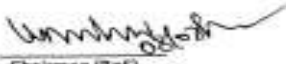
1. Dr.S.Jeevananthan has suggested that to get continuity with Electrical Machines I course, Electrical Machines II Theory & Lab can be swap from 5th to 4th semester.
2. Dr.N.Kumaresan has suggested to introduce, Communication Engineering course instead of Electrical safety & Quality Management (it is added as an Elective).

e. Semester V:

1. Swapping of electrical machine Design and microprocessor & microcontroller from 6th to 5th and vice versa has been suggested by Dr.S.Jeevananthan and Dr.N.Kumaresan.
2. Dr.N.Kumaresan gave suggestion to add "Industrial Lectures / Invited Talks "in 5th semester instead of Mini Project – I.

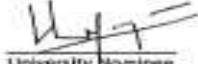
f. Semester VI:

1. Mini Project II is to be renamed as Mini Project I


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(R. KRISHNAM)



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g. Semester VII:

1. Mr.B.Ganesh has suggested to rename, The Mini Project III is to be renamed as Mini Project II which may have "workable / Demovable Models"
2. Dr.S.Jeevananthan has suggested to add High Voltage Engineering in 7th semester instead of HVDC Transmission (It is added as an elective).
3. Mr.D.Sabaripandiyan has suggested to add Computer Aided Electrical Drawing Laboratory instead of Power Electronic Simulation Laboratory.

h. Electives:

1. Mr.B.Ganesh gave suggestion to add elective namely "Industrial Plastics and Polymers".
2. He also suggested to add "Product Design Engineering" as an open Elective.
3. Dr.N.Kumaresan and Dr.S.Jeevananthan have suggested to map Professional elective courses with Professional core courses to get continuity.
4. References mentioned in the syllabus should have latest editions, IEEE paper links and NPTEL online courses.

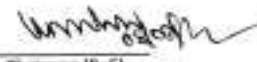
(iii) Suggestions related to PG – PED (Both Full Time & Part Time) Curriculum & Syllabi:

a. Semester I:

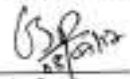
1. Dr.S.Jeevananthan insisted to rename the course "Advance Power Semiconductor Devices" as "Power Semiconductor Devices and Recent Advancements". And also he suggested to swap the course "Power Quality Issues and Solutions" in 1st semester and "Analysis of Inverters" in 2nd semester.
2. Dr.N.Kumaresan suggested to add "Power Electronic Circuits Laboratory" instead of "Electrical Drives Laboratory".

b. Semester II:


1. Electrical Drives Lab can be added instead of Power Electronic Simulation Lab II in full time and part time programmes.

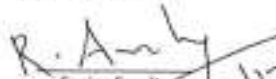

Chairman (BuS)
(Dr. V. MOHAN)


Subject Expert
(Dr. S. JEEVANANTHAN)


Dr. S. JEEVANANTHAN


University Nominee
(Dr. S. HASMIN THILAGAR)


Industry Expert
(B. GANESH)


R. Anub


Subject Expert
(Dr. N. KUMARESAN)


Alumni
(Dr. SABARIPANDIYAN)


Dr. SABARIPANDIYAN



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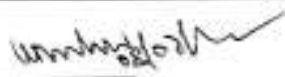
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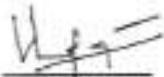
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2. Dr.S.Jeevananthan suggested to shift the "Research Methodology" course as first course in the list of courses of 2nd semester.


c. Electives:

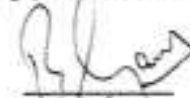
1. PG and UG Electives – Title and Syllabus can't be same.
2. References mentioned in the syllabus should have latest editions.
3. Electives can be rearranged, in such a way that the elective courses are in continuing with the professional core courses.


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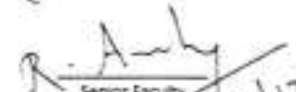

Subject Expert
(Dr. N. KUMARASWAMY)


Subject Expert
(Dr. S. JEEVANANTHAN)


Industry Expert
(B. GANESH)


Alumnus
(SAGARIGANDIVAN)


Senior Faculty
(Dr. T. SURESH PADMANABHAN)


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(R. ANANDARAJ)


Senior Faculty
(K. NISHUVARAN)





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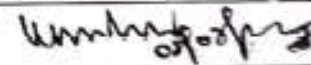

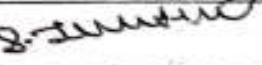
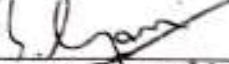
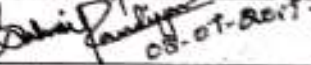
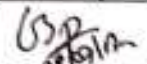

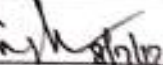
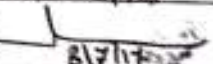
Annexure – I

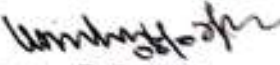
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Board of Studies Meeting

Attendance

Name of the Department : Electrical and Electronics Engineering
Meeting No : 01
Date & Time : 08-07-2017 & 9.30 A.M.
Venue : Board Room

Sl.No.	Name	Category	Signature
1	Dr. V. MOHAN	Chairman	
2	Dr. S. HOSMIN THILAGAR	University Nominee	
3	Dr. N. KUMARESAN	External Expert Members	
4	Dr. S. JEEVANANTHAN		
5	Mr. B. GANESH	Industry / Corporate Sector	
6	Mr. D. SABARIPANDIYAN	Alumnus	 08-07-2017
7	Dr. T. SURESH PADMANABHAN	Internal Members	
8	Prof. R. ANANDARAJ		
9	Prof. K. KRISHNARAM		
10	Prof. B. NAVEEN ANTONY		


Chairman – BoS (EEE)

Dr. V. MOHAN M.E., Ph.D.,
PROFESSOR & HEAD



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Board of Studies (BoS) Members

Sl.No.	Name	Category
1	Dr.V.MOHAN Professor & Head Electrical and Electronics Engineering E.G.S. Pillay Engineering College Nagore Post, Nagapattinam - 611002 E-mail: veerasamy.mohan@yahoo.com Mobile:7373767221 Phone: 04365-251114	Chairman
2	Dr.S.HOSMIN THILAGAR Associate Professor Electrical and Electronics Engineering College of Engineering- Guindy Campus Anna University- Chennai-600025 E-mail: shthilagar@annauniv.edu Mobile: Phone: 044-22357806	University Nominee
3	Dr.N.KUMARESAN Associate Professor Electrical and Electronics Engineering National Institute of Technology- Tiruchirapalli Tiruchirapalli-620016 E-mail: nkumar@nitt.edu Mobile:9489089101 Phone:0431-2503257	External Expert Members
4	Dr.S.JEEVANANTHAN Professor Electrical and Electronics Engineering Pondicherry Engineering College Puducherry-605014 E-mail: drsj_eee@pec.edu Mobile:9443493599 Phone:0413-2655281-288	
5	Mr.B.GANESH Dy. Director of Engineering – APAC Amphenol Antennas Chennai Email ID: ganesh.b@amphenol_omni.com Mobile: 9176627895	Industry / Corporate Sector



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING **Board of Studies (BoS) Members**

Sl.No.	Name	Category
6	Mr. D. SABARIPANDIYAN HOD/EEE Government Polytechnic College Korukkai Thiruthuraiipoondi – 614711 Mobile: 9442345171 Email: contact2sabari@yahoo.com	Alumnus
7	Dr.T.SURESH PADMANABHAN Professor/EEE, EGSPEC. E-mail: drtsp@egspec.org Mobile: 9444025552 Phone: 04365-251114	Internal Members
8	Mr.R.ANANDARAJ Associate Professor/EEE, EGSPEC. E-mail: anandraj.r@egspec.org Mobile:9443526230 Phone: 04365-251114	
9	Mr.K.KRISHNARAM Assistant Professor/EEE, EGSPEC. E-mail: krishnaram@egspec.org Mobile: 9486209791 Phone: 04365-251114	
10	Mr. B. NAVEEN ANTONY Assistant Professor/EEE, EGSPEC. E-mail: naveenjosh839@gmail.com Mobile:7598690231 Phone: 04365-251114	



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Electrical and Electronics Engineering
Names of the Programmes	B.E - Electrical and Electronics Engineering M.E - Power Electronics and Drives
Meeting No	02
Date & Time	21-04-2018 & 10,00 a.m.
Venue	Board Room

The name 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 introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
 - To finalize the syllabi of 3rd - 8th Semester B.E-EEE including core electives and open electives and also 3rd & 4th Semesters of M.E-PED Programme including electives.
 - Any other BoS matters.
4. Chairman/BoS reviewed about first BoS minutes and also expressed thanks to all the members for the suggestions given by them during the first BoS meeting.



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5. Suggestions given by the member of Board of Studies.

- The Board of Studies members have gone through the curriculum of 3rd - 8th Semester of B.E-EEE and 3rd & 4th Semesters of M.E-PED Programmes and suggested the following.

UG- B.E (Electrical and Electronics Engineering)

3rd Semester.

(a) 1702EE301- Electron Devices and Circuits:

- Dr.S.Jeevananthan has suggested to add model of a diode in the Unit-I
- It is suggested to add Darlington amplifier and thermal run away/ secondary breakdown in Unit-II.
- Comparison between the devices has to be included.
- Unit-V title could be as "Amplifiers and Oscillators"

(b) 1702EE302- Digital Electronics:

- It is suggested to add booth and array multiplier in Unit-II. It is also suggested to replace the function/circuit realization by encoder and decoders.
- Unit-V may be added with basic 4 bit accumulator design

(c) 1702EE303- Electromagnetic Theory:

- It is recommended that "William Hayt" book can be added as reference book.

(d) 1702EE304-Power Plant Engineering:

- It is suggested to add "Energy scenario-National and International context" in Unit-I.

(e) 1702EE305-Electrical Machinery-I:

- In Unit-III starting methods should be renamed as starters.
- Rearrangement of topics is needed in Unit-IV.
(Order as two winding transformer, 3 phase transformer and autotransformer)
- Remove the content "phasing of transformer" in Unit-IV.
- It is suggested to add a topic "selection of motors" in Unit-V.

(f) 1702EE351-Electrical Machinery Laboratory-I:

- Dr.N.Kumaresan has suggested to combine the experiments Swinburne's test and Load test on DC shunt motor.
- It is also suggested to combine the experiments,"O.C.C and load test on single phase transformer.

(g) 1702EE352-Electron Devices and Circuits Laboratory:

- It is suggested to replace the Characteristics of UJT experiment by Clipper and Clamper experiment
- It is suggested to combine Characteristics of MOSFET with JFET experiment.
- It is decided to remove the realization of passive filters from the experiments list since it is not in theory course.



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- "Study of DSO" experiment has to be the first experiment.

4th Sem:

(a) 1702EE401-Measurements and Instrumentation:

- Dr.S.Jeevananthan has suggested to add loading effect and classification of instruments in Unit-I.
- Mr.Ganesh has suggested to add the topic "interpretation of calibration data" in Unit-I.
- Dr.N.Kumaresan has suggested to add A.K.Sawhney book in the reference list.

(b) 1702EE402-Linear Integrated Circuits:

- Members suggested to add "case study on data sheets of ICs" in Unit-V.

(c) 1702EE403-Transmission and Distribution:

- Add single line diagram of power system network in Unit-I.
- Dr.N.Kumaresan suggested to remove "Introduction to FACTS" in Unit-I and typical standard specifications is to be included in the same unit.
- It is suggested to improve the reference books list.

(d) 1702EE404- Electrical Machinery-II:

- RMF has to be abbreviated as rotating magnetic field in Unit-III.
- In Unit-II, "operation on infinite bus bars" has to be removed from the list but suggested to add "synchronous induction motor".
- It is to be included the term "deep bar" in double cage induction motor in Unit-III.
- It is to be changed the term small " v/f " instead of " V/F ".
- It is suggested to remove reluctance motor and servomotor and add fractional horse power motor instead of them in Unit-V.
- Unit-V is to be added with the content "equivalent circuit of 1 phase induction motor"

(e) 1702EE451- Electrical Machinery Laboratory-II:

- It is suggested to merge the experiments No load and blocked rotor test and load test on 1 phase induction motor.
- It is also suggested to merge the experiments No load and blocked rotor test and load test on 3 phase induction motor.

5th Sem:

(a) 1702EE502- Linear Control Systems:

- It is suggested to remove root locus construction from Unit-II.

(b) 1702EE503- Power Electronics:

- Dr.S.Jeevananthan has given numerous valid suggestions for the course namely Power Electronics. In UNIT-I, he has suggested to rearrange the topics as follows,
All power devices- working, static and dynamic characteristics, Power SCR- two transistor analogy, turn On-OFF methods, snubber circuits, series-parallel operation, driver circuits, losses and thermal management.
- It is advised to include RLE load-CCM and DCM in first line of Unit-II.



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- Dr.N.Kumaresan and Dr.S.Jeevanathan have suggested to introduce the topic "Introduction to MLI-Single Phase cascaded H Bridge MLI" in Unit-IV.
- It is suggested to add "single phase and three phase" in brackets of AC voltage controller and also ACVC and Cycloconverter in separate paragraphs.
Cycloconverter- single phase to single phase, three phase to single phase, control strategies of cycloconverter, Introduction to single phase and three phase matrix converters.

(c) 1702EE551- Measurement and Control Laboratory:

- It is suggested to improve the 3rd experiment name as "Measurement of energy (1 ϕ and 3 ϕ)"
- It is suggested to specify the name of the experiment no. 7 as "Transfer function of Armature/field controlled DC motor", "Transfer function of separately excited DC generator"
- The distinguished alumni Mr.Sabaripandian suggested to add earth resistance measurement experiment in the list.

6th Sem:

(a) 1702EE601- Solid State Drives:

- Dr.S.Jeevanathan suggested to include the "components of load torque" in Unit-I and also to add "characteristics of mechanical load" instead of typical load torque characteristics.
- It is also suggested to add selection of motor "rating" in the third line of Unit-I.
- Unit-III can be framed as follows, "Implementation of stator voltage control, stator frequency control, v/f control using VSI and cycloconverter drive; Introduction to Vector control-block diagram approach".
- It is suggested to remove "cycloconverter" fed PMSM drive

(b) 1702EE603- Microprocessors, Microcontrollers and its applications:

- Unit-I can be divided into two units. Up to memory organization one unit. Second unit may contain the remaining part.
- Remove Unit-IV and reframe the syllabus accordingly.

7th Sem:

(a) 1702EE701- Protection and Switchgear:

- It is suggested to add "Solid State Circuit Breakers" in Unit-V

(b) 1702EE752- Computer Aided Electrical Drawing Laboratory:

- Mr.Sabaripandian has well appreciated the implementation of this course mentioned in first BoS meeting and well acknowledged the syllabus of the laboratory course. He also suggested to add a suitable experiment "Draw the layout of any one power plant" which they learned in theory course.

Electives:

- It is noticed that the syllabus content of the elective course "Renewable Energy Sources" is so common and well suitable for common elective and may be removed from core electives.



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Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

- Industry expert Mr.Ganesh has highly appreciated and praised about the elective course "Industrial Plastics and Polymers" for its beautiful organization of syllabus content. He also suggested to motivate the maximum students to select the elective course titled "Electric and Hybrid vehicles" for the importance of future trend and employability based course content.
- Dr.S.Jeevanathan has suggested to add Arindam Ghosh book as reference book in the power quality course.
- Dr.N.Kumaresan and Dr.S.Jeevanathan have suggested to make the following changes in the syllabus of the course 1703EE020-Flexible AC Transmission Systems.
 - Change the Unit-I title as "Introduction about FACTS Devices".
 - Unit-II revised with the contents TSC and TCR.
 - Check and revise the contents without any repetition.
- It is suggested to make the following changes in the syllabus of the course 1703EE024-Optimization Techniques
 - Unit-I title as "Classification and Principles of Optimization Techniques". Suitably change the syllabus also.
 - Combine suitably all the five Units as-I, II, III and IV and introduce the Unit-V as "Advanced Optimization Techniques".

PG- M.E (Power Electronics and Drives)

1st Sem:

(a) 1702PE102- Power Semiconductor Devices and Recent Advancements:

- Subject expert Dr.S.Jeevanathan has insisted to refine the Unit-I with Review of MOS, MCT-working and characteristics. It is also suggested to add the topics like "Estimation of device losses & design of heat sink, development of improved gate drivers(IGBT)"
- It is also recommended to revise the Unit-V with SiC devices etc.
- It is suggested add the reference book by Yaswanth Balliga.

(b) 1702PE103- Analysis of Power Converters:

- Subject expert has insisted to remove the effect of source impedance in Unit-I and suggested to keep it in Unit-II. Also add performance comparison of 1 phase and three phase power converters in Unit-II.
- It is suggested to change the Units-III, IV and V. Unit-III title as "Hard switching and soft switching converters". Revise the Unit-III contents with Para1: Hard switching converters and para2: Soft switching converters.
- It is suggested to change the Unit-IV as "Multilevel Converters" with the contents Vienna rectifier etc.
- It is suggested to change the Unit-V as "Matrix Converters" with the contents of Matrix Converter-mode of operation and its control strategies etc.



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(c) 1702PE104- Analysis of Inverters:

- It is suggested to change the contents of Unit-II "Voltage Source Inverters" as 1 phase and 3 phase VSIs, mode of operations, Control strategies like SPWM, SVPWM and harmonic injection PWMs etc.
- It is suggested to add the contents of Unit-III with McMurray and modified McMurray inverters.
- It is suggested to add the contents of Unit-IV with introduction to recent topologies of MLIs, PWM strategies of MLIs etc.

2nd Sem:

(a) 1702PE203- Solid State AC Drives:

- It is suggested to separate the contents of Unit-IV into direct control and indirect control

PG Electives:

(a) 1703PE001- Recent Trends in power Conversion Technology:

- It is suggested to revise the syllabus with application oriented contents, multistage power conversion, heating load and welding applications etc.

(b) 1703PE006- Applications of Power Electronics in Utility Systems:

- It is suggested to add custom power devices and FACTS devices
- Syllabus may contain transmission part-3 units and distribution part-2 Units.

6. The following common suggestions were given:

- References mentioned in the syllabus should have latest editions, IEEE paper links and NPTEL online courses with exact details of the mentor.
- Data sheet interpretation may be added in suitable lab courses.
- Extensive use of MS-Excel, Word, PPT software applications may be used for the enrichment of students' employability skills.
- A workshop may be conducted for the faculties of EEE so as to increase the Course Plan framing skills.
- Faculty training may be arranged for simulation software like ANSYS, MAGNET etc. so as to enhance the content beyond knowledge for the learners.
- Lab courses may have the references like company reference manuals or faculty ready reference manuals instead of book references.
- If possible other departments' open elective list may be showcased in EEE curriculum at last.
- Name of the experiments in PG labs may be revised.
- Title of the PG courses may be revised in accordance with the suitability.



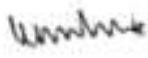
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Chairman (BoS)


University Nominee


Subject Expert

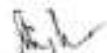

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty


Senior Faculty



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Board of B.Tech- Information Technology



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Information Technology
Names of the Programmes	B.Tech – Information Technology
Meeting No	02
Date & Time	21.04.2018 & 09.30 A.M.
Venue	IT 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.Tech – Information Technology Programme from Third to Eighth 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.Tech – Information Technology Programme

Under Graduate **B. Tech - Information Technology**

Third Semester:

- In Engineering Mathematics III, According to the need IT change the content and give practical based experiments
- In Data Structure and Algorithms, Algorithm complexity measurement have to be included
- In Computer Architecture, change the syllabus by referring other university and NIT syllabus
- In Principles of communication, add real time IT related case studies and applications
- In DBMS, change second unit content to first unit, include normalization topics after SQL commands and languages

Fourth Semester:

- In Probability Queuing Theory, Include topics related to applications of Queuing theory using simulators
- In Operating Systems, must include list of OS with its characteristics and applications as a case study in unit 5
- Instead of Microprocessor and Microcontroller course, include Internet of Things with laboratory or tutorial component in Semester 4



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Fifth Semester:

- In Web Programming, include some open source software like PHP ... in server side programming
- In Graphics and multimedia laboratory, Add more Multimedia related exercises
- In web programming laboratory, students need to create a new web page of their own and suggestion to merge CASE tools and web programming as mini project

Sixth Semester

- In Data warehousing and Data Mining, include topics like Data warehouse schema design, Data warehouse implementation, data preprocessing, Predictive analytics, Data mining introduction, latest clustering algorithms such as density, model based clustering
- In Data warehousing and Data Mining laboratory, instead of WEKA tool R and Python programming are suggested
- In Mini projects, students are advised to develop some application oriented projects and solve the specific problem

Seventh Semester:

- In Data Analytics, change the course title as "Introduction to Big Data Analytics" and include the topics Introduction to Data Science, Data Classification, Data Analytics and some topics related to data warehouse
- In security in computing, suggested to include hacking related topics

Eighth Semester:

- In project work, suggested to prepare specific guideline for choosing IT related projects

Electives

- Make Theory of computation and compiler design course as Compulsory elective
- Change the course name Multi core architecture as "Multi core Programming"
- In compiler design, include case study for all the 5 units
- Change the course name Main frame computing as "Main frame Systems"
- In Data center and Virtualization, change the topic introduction to data centers from unit 4 to unit 1 and give more applications
- In ERP, need to focus more on implementation and challenges of ERP
- In Service Oriented Architecture, change the unit 1 as Fundamentals of SOA and Unit 2 as Review of XML
- In Graph theory and Applications, include one separate unit for application part
- In Deep learning, the topic Natural Language Processing to be included in unit 5 as case study
- In Business Intelligence, change unit 3 title as " Business Intelligence models and applications" and change model topic from unit 5 to unit 4



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- In Visualization techniques, need to include tools for data visualization as case study
- Include Soft Computing as Elective Course

One credit course

- Change the course title Agriculture for Engineers as "IT for Agriculture"

B.E. – Electrical and Electronics Engineering

- Reduce Soft Computing course content and include EEE related problems and tutorial
- Object Oriented Programming course include any one language C++ or Java

General points

- Appreciated Curriculum, Syllabus, One credit courses, combined theory & lab component courses
- Suggested to reduce the number of theory courses as 5 per semester and combine theory and lab courses
- Need to evaluate the programming skill of the students by solving real time problems
- In language elective, need to include other country languages like Japanese, Germany, France and Chinese
- Need to categorize the electives as preferable based on recommendation and prerequisite
- Include Node JS and placement related course as one credit course
- Include Project Planning, Evaluation and Team Management as elective course
- Among 3 one credit courses, one should be a online course
- Give more flexibility in one credit courses as like the course may be handled by other university/country experts
- Review meeting should be conducted at the end of every semester to get the students & faculty feedback and make changes according to it
- Suggested to reduce the credit point from 183 to 175
- Need to check/change all the reference books are to be a latest editions
- The need based Value added course/one credit courses approved by Chairman BOS in Department Academic meeting and it will be ratified by BoS meeting, subsequently in Academic council
- Small changes or modifications in the syllabus approved by Chairman BOS in Department Academic meeting and recommended to pass BoS meeting, subsequently ratified in Academic council
- At the end, University nominee, External Expert member, Industry Expert and Alumni appreciated us that you are going towards improvement and if you do some improvements in IT syllabus then it should be a model for other Autonomous colleges



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4. The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of Third to Eighth semester of B.Tech - Information Technology Programme 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: Nagapattinam

Chairman (BoS)

University Nominee

Subject Expert

Industry Expert

Alumni

Senior Faculty

Senior Faculty

Senior Faculty

Senior Faculty




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Annexure – I

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

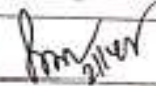
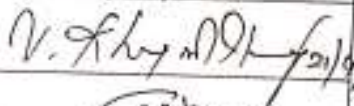
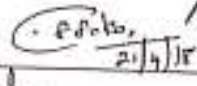
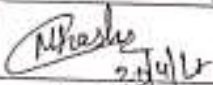
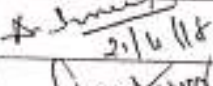
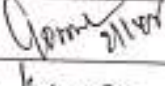
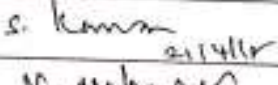
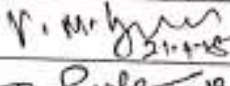
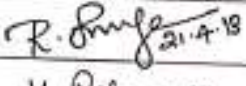
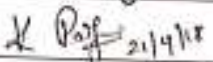
Attendance

Name of the Department : Information Technology

Meeting No : 02

Date & Time : 21-04-2018 & 10.00 A.M.

Venue : IT A/C Seminar Hall

SLNo.	Name	Category	Signature
1	Prof. S. MANIKANDAN	Chairman	
2	Dr. V. RHYMEND UTHARIARAJ	University Nominee	
3	Dr. E. SIVASANKAR	External Expert Members	
4	Mr. MUBARAK	Industry / Corporate Sector	
5	Mr. A. SARAVANAN	Alumnus	
6	Mr. S. P. GOPALAN		
7	Dr. S. KANNAN	Internal Members	
8	Prof. V. M. SURESH		
9	Prof. R. LAVANYA		
10	Prof. K. RAJU		


Chairman – BoS (IT)



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Thanks for valuable support and cooperation since 2016 onwards for implementing Autonomous Stream

As per AICTE guidelines we changed R2019 in the 2019-20 Academic year and updated our department curriculum and syllabus. Herewith I attached R2019 Curriculum and Syllabus for kind perusal. Give your valuable suggestions.

Thanks

HOD IT <hodit@egspec.org>

Wed, Jun 3,
10:15 AM (7 days
ago)

from: HOD
IT <hodit@egspec.org>
to: saravanan4sap@gmail.com
date: Jun 3, 2020, 10:15 AM
subject: EGSPEC-IT_BoS-R2019 -
Reg
mailed-
egspec.org
by

Dear Mr. Saravanan, IT Alumni Expert Member

Greetings from Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

Thanks for your wonderful support and time spent with us for last 4 years as Alumni Expert member for Board of Studies Curriculum and Syllabus Framing.

We need your support and coordination in upcoming also. I am very happy to inform you that we revised our curriculum based on EGSPEC R2019 and AICTE Model Curriculum. Herewith I attached the curriculum and syllabus for kind reference. Kindly check it and give your valued suggestions.

Thanks & Regards

HOD IT <hodit@egspec.org>

Thu, Jun 4, 1:51
PM (6 days ago)

to myogeekumar



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

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EGSPEC - IT - R2019 - BoS - reg
mb66x

HOD IT <hodit@egspec.org>

Wed,
May 20, 1:57
PM

from: HOD
IT <hodit@egspec.org>

to: dki@ity.psgtech.ac.in

cc: Academic Council

EGSPEC

<ac@egspec.org>

date: May 20, 2020, 1:57 PM

subject: EGSPEC - IT - R2019 -
BoS - reg

marked-by: egspec.org

Dear Madam

Greetings

I am (S.Manikandan), HoD and Chairman Board of Studies of Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

We received University Nominee order from Anna University and you are nominated as a University Nominee of our department. On Behalf of management and faculty members I am welcoming you and your support for implementing an autonomous system.

2016 we got autonomous status and followed R2017 for III and IV Year students. Last year we changed R2019 and curriculum based on AICTE guidelines. As per direction from our college member secretary and principal kindly send curriculum and syllabus to expert members for discussion implementation. We will plan to conduct a meeting on May End or June month. Herewith I attached R2019 B.Tech - IT Curriculum and Syllabus for your reference. Kindly give your valuable suggestions and feedback.

Thank and regards

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by
Prof. S. MANIKANDAN, M.E., (Ph.D)
Assistant Professor & Head
Chairman - Board of Studies



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Thanks

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Wed, Jun 3,
10:15 AM (7 days
ago)

from: HOD
IT <hodit@egspec.org>
to: saravanan-faap@gmail.com
date: Jun 3, 2020, 10:15 AM
subject: EGSPEC-IT_BoS-R2019 -
Reg
mailed: egspec.org
by:

Dear Mr. Saravanan, IT Alumni Expert Member

Greetings from Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

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Thanks & Regards

HOD IT <hodit@egspec.org>

Thu, Jun 4, 1:51
PM (6 days ago)

to: myogeeskumar



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Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

<sevasankar@nitl.edu>

date: May 20, 2020, 1:44 PM

subject: R2019 - BoS - Reg

mailed-by: egspec.org

Dear Sir

Greetings from Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

Thanks for valuable support and cooperation since 2016 onwards for implementing Autonomous Stream.

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Thanks

R2019 - BoS - Reg

HOD IT <hodit@egspec.org>

Wed, May
20, 1:45
PM

to: Subramaniyan

from: HOD IT <hodit@egspec.org>

to: Subramaniyan Pasupathi
<pathyannamalai@gmail.com>

date: May 20, 2020, 1:45 PM

subject: R2019 - BoS - Reg

mailed-by: egspec.org

Dear Sir

Greetings from Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam



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Dear Sir

As per discussion on 01/06/2020, communicated University Nominee, Subject Expert members and they accepted for BoS meeting as our convenience after June 10, 2020 to June 15, 2020. I sent R2019 Curriculum and Syllabus to all the experts and am expecting their comments within this week.

Thanks

EGSPEC-IT- BoS Meeting - Invitation - Reg

HOD IT <hodit@egspec.org>

to DKR-IT, Elango, Subramaniyan, Yogeess, saravanan4sap, Academic, Chinnadurai, Ramaba

from: HOD IT <hodit@egspec.org>
to: DKR-IT PSG CT <dkr.it@psgtech.ac.in>, Elango Sivasankar <sivasankar@nitt.edu>, Subramaniyan Pasupathi <pathyannamalai@gmail.com>, Yogeess Kumar <myogeeskumar@gmail.com>, saravanan4sap@gmail.com, Academic Council EGSPEC <ac@egspec.org>
cc: Chinnadurai M <mchinna81@gmail.com>, Ramabalan S <principal@egspec.org>, it <it@egspec.org>, Anakath AS <anakath@egspec.org>
date: Jun 10, 2020, 11:08 AM
subject: EGSPEC-IT- BoS Meeting - Invitation - Reg
mailed- by egspec.org

Dear Sir/Madam

Greetings from Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

As per earlier discussion, we plan to conduct BoS Meeting on 13/06/2020, 09.45 AM via Zoom.

The meeting agenda is follows as,

1. Discussion about Previous Meetings and Activities
2. Department Academic Advisory
3. EGSPEC R-2019 III to VIII Curriculum and Syllabus Approval including Elective and one credit courses

The following are the Zoom Meeting Link for your reference



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Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Dear Mr. Yogeswaran, I & T Infotech, Industry Expert Member

Greetings from Department of Information Technology, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

Thanks for your wonderful support and time spent with us for last 4 years as Alumni Expert member for Board of Studies Curriculum and Syllabus Framing.

We need your support and coordination in upcoming also. I am very happy to inform you that we revised our curriculum based on EGSPEC R2019 and AICTE Model Curriculum. Herewith I attached the curriculum and syllabus for kind reference. Kindly check it and give your valued suggestions.

We will plan to conduct Online Meeting from 10-06-2020 to 13-06-2020 (1 day) as your convenient date and time.

Thanks & Regards

IT BoS - Reg

HOD IT <hodit@egspec.org>

Wed, Jun 3,
10:40 AM (7 days
ago)

to dkr, Elango, Subramaniyan, saravanan4sap, Ramabalan, Academic, Chinnadurai

Dear All

Greeting from Department of IT, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam

Thanks for your valuable support for implementing an autonomous system to our college/department.

I already sent B.Tech - IT EGSPEC R2019 Curriculum and Syllabus for your kind perusal. I am waiting for your suggestion and commands, based on your recommendation and suggestion we will plan to conduct a BoS meeting via Online from 10-06-2020 to 13-06-2020. Kindly check your availability date and time. We will conduct the meeting for further discussion.

Thanks and Regards

BoS Meeting - Reg

HOD IT <hodit@egspec.org>

Wed, Jun 3, 9:43
AM (7 days ago)

to Academic, Ramabalan, Chinnadurai

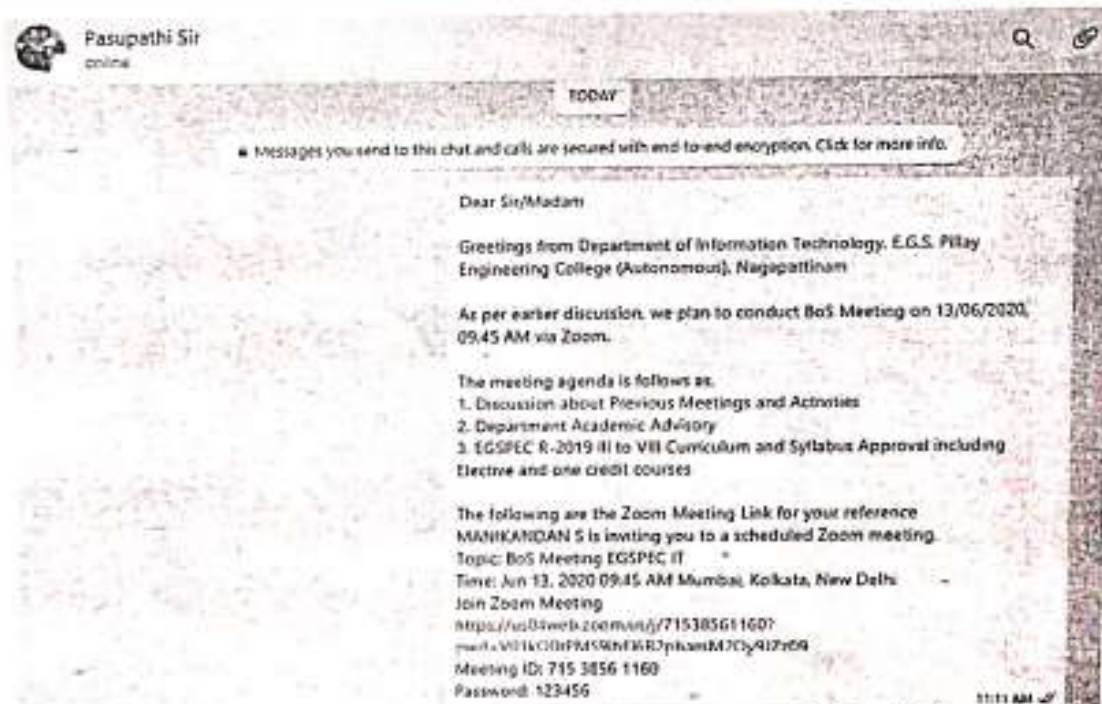
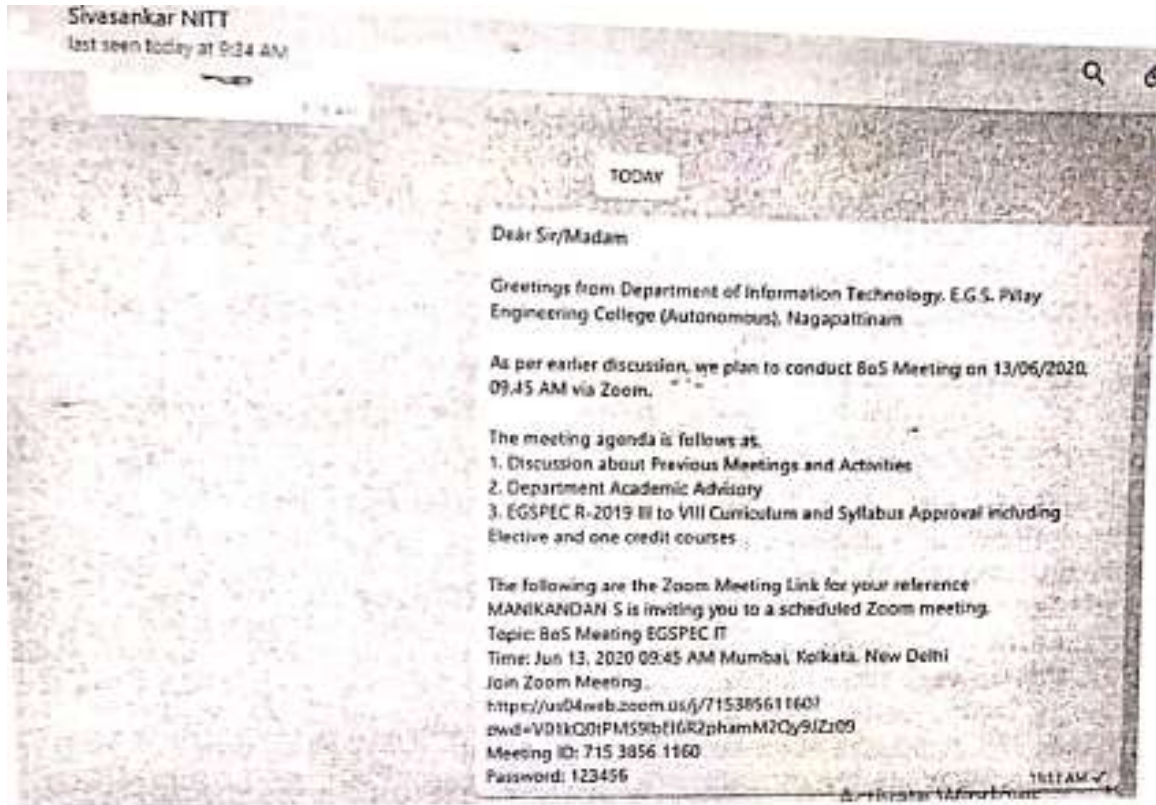


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MANIKANDAN S is inviting you to a scheduled Zoom meeting.
Topic: BoS Meeting EGSPEC IT
Time: Jun 13, 2020 09:45 AM Mumbai, Kolkata, New Delhi
Join Zoom Meeting
<https://us04web.zoom.us/j/71538561160?pwd=V01kQ0RPM50ibEJkR2ZlbnM2Qy9lZz09>
Meeting ID: 715 3856 1160
Password: 123456

Kindly acknowledge the same and Thanks

--

by

Prof. S. MANIKANDAN, M.E.,(Ph.D)

Assistant Professor & Head

Chairman - Board of Studies

Head - Social Media and Branding

Coordinator - ICT Academy

TNSCST - Travel Grand Awardee (2019)

Industry Instructor - Oracle Academy iLearning Instructor, IBM Rational

Architect, EMC Academic Associate, Amazon Web Services Nodal

Ambassador, VMware Data Scientist, Google Smart Deployer, Sales Force Trail Head

Master, Palo Alto Accredited Configuration Engineer (ACE), TechGig Code Gladiator

NPTEL - Translator

Trainer - Outcome Based Education and Accreditation, NBA, NAAC, Autonomous

Implementation

SPoC - AICTE Smart India Hackathon, Chitra Viswakarma

Membership - IEEE, IEI, ISTE, Vidwan, ASDF, UACEE, ACM, CSTA

IEEE - Best Organizing Secretary Award (2017)

Department of Information Technology

(Accredited by NBA)

E.G.S Pillay Engineering College (Autonomous), Nagapattinam

Mobile: +91-9047902685, +91-9500707894

Website: <https://sites.google.com/site/profmanil/>



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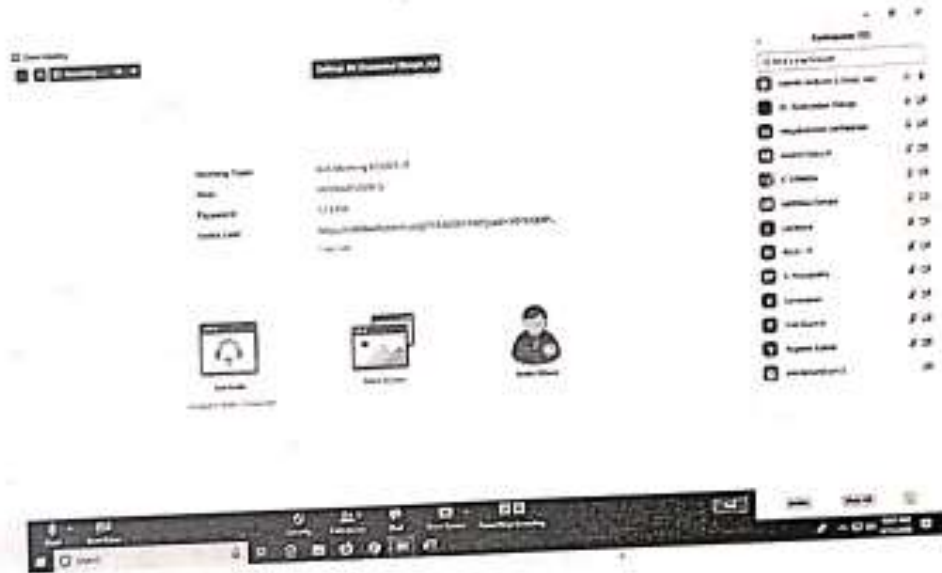
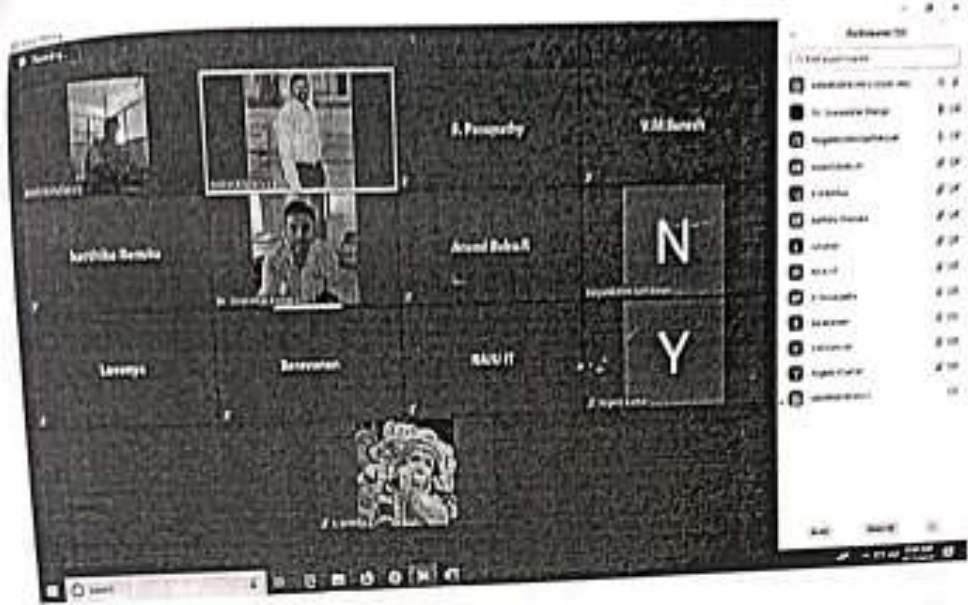


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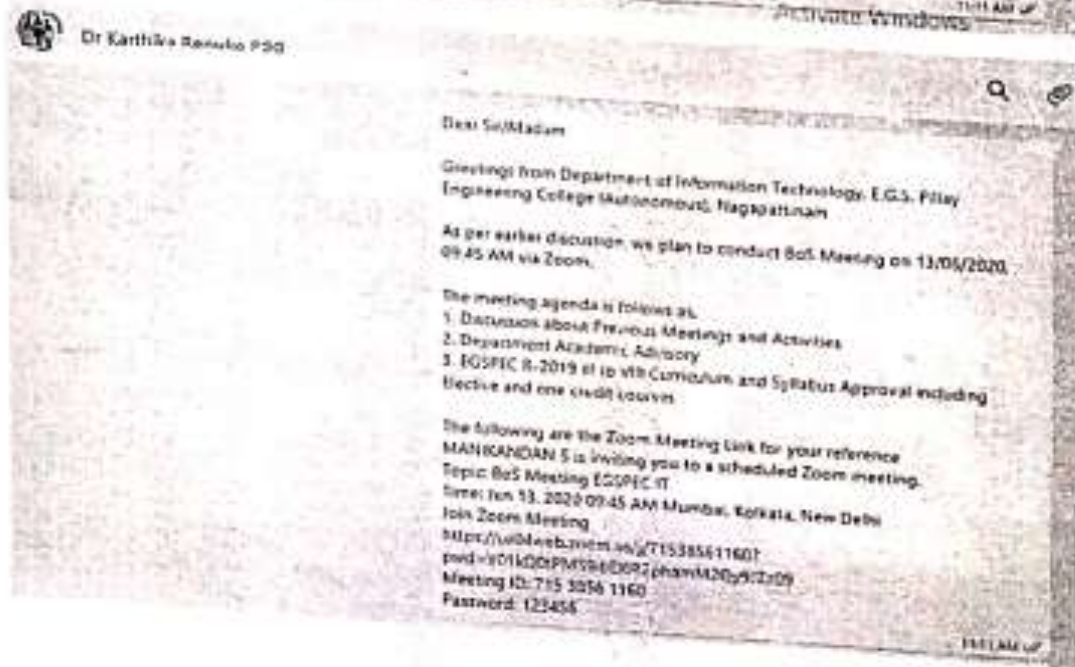
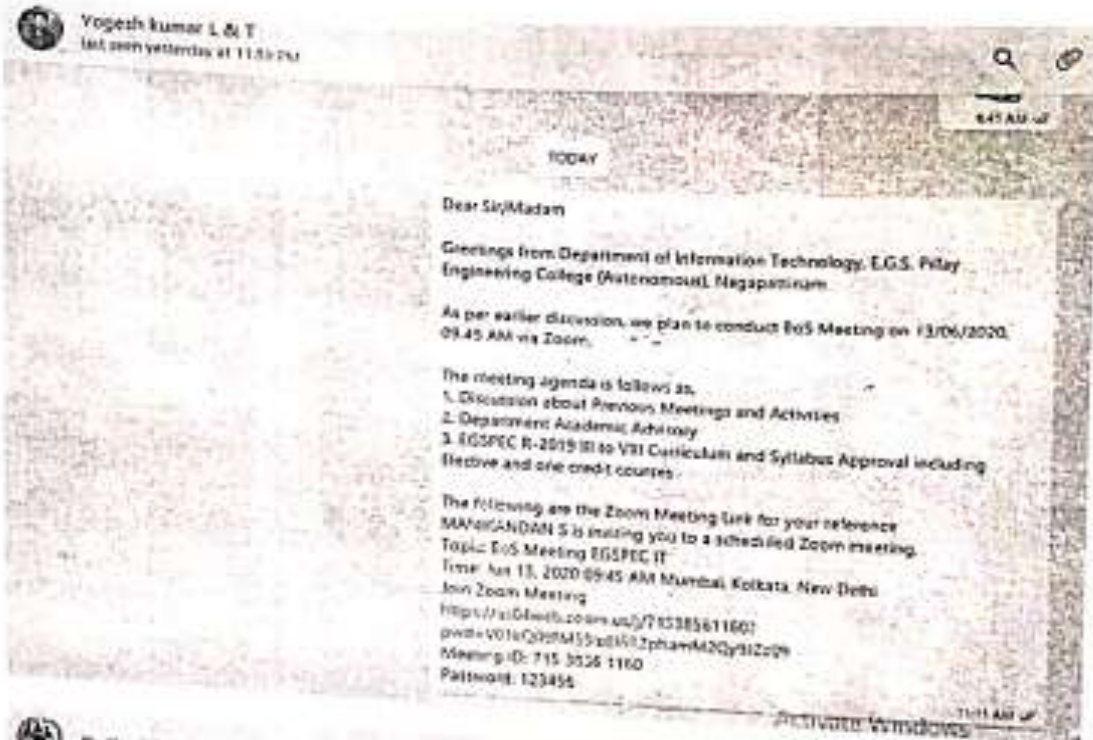


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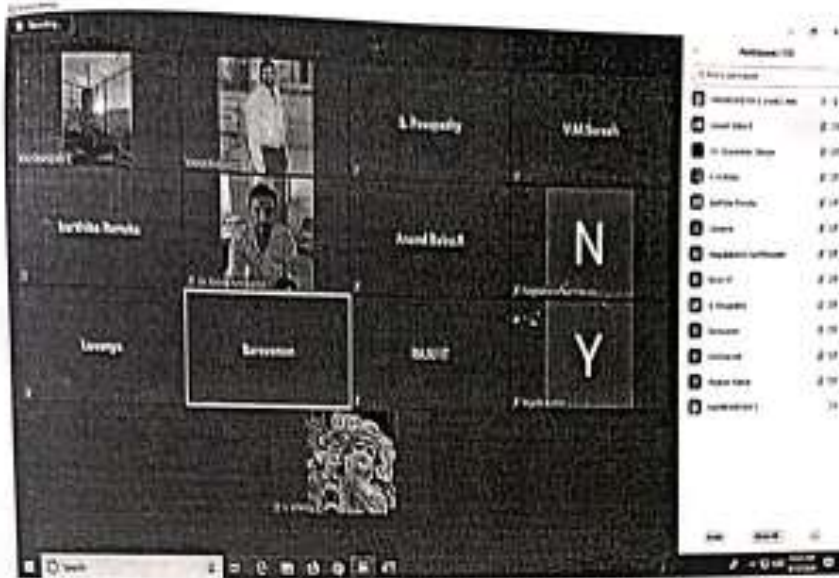


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BaS: Proof

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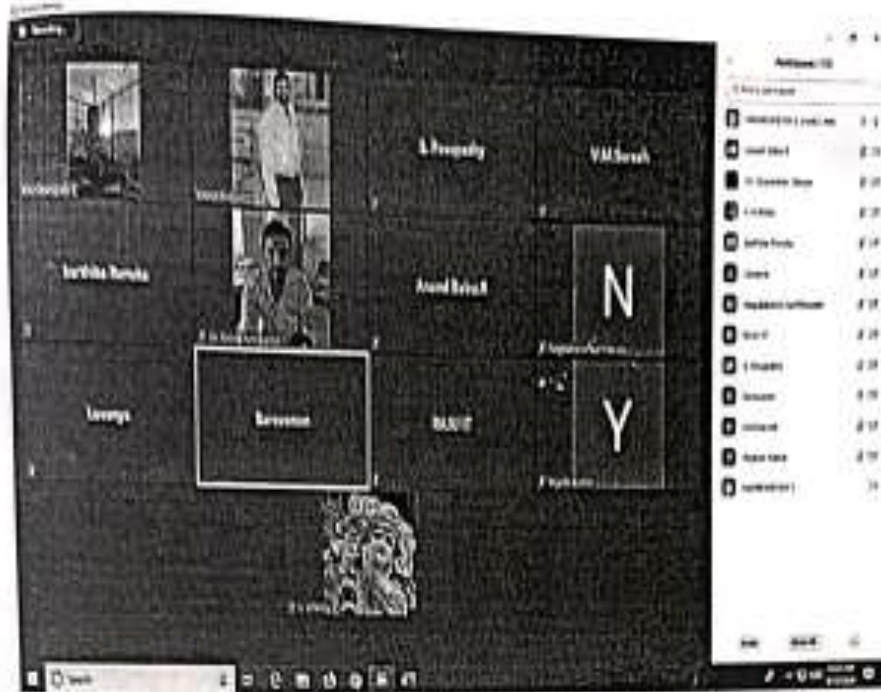


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BoS: Proof

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Board of B.E - Mechanical Engineering & M.E Manufacturing Engineering



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Mechanical Engineering.
Names of the Programmes	B.E. Mechanical Engineering. M.E. Manufacturing Engineering.
Meeting No	01
Date & Time	07.07.2017 & 10.00 A.M.
Venue	Mechanical 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 3rd meeting of Board of Studies.
2. Chairman/BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
 - Dissemination of Department Vision, Mission, PEOs, POs and PSOs
 - To finalize the curriculum and syllabi of first and second semester B.E Mech and M.E. Manufacturing Programmes.
 - To finalize the curriculum of 3rd-8th Semester B.E Mech and 3rd & 4th Semesters of M.E. Manufacturing Programmes.
 - To discuss the question paper pattern for UG/PG Programme and Evaluation methodologies.
 - To get approval for UG First Year Syllabus for following subjects, Engineering Graphics, Manufacturing practices lab, and CAD lab,
 - 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 Mech and M.E. Manufacturing Programmes.
 - The Board of Studies members have gone through the curriculum of 3rd- 8th Semester of B.E Mech and 3rd & 4th Semesters of M.E. Manufacturing Programmes.
 - Total number of credits for B. Mech programme should be with in 180.

Under Graduate: B.E Mechanical Engineering

First Semester:

- Fundamentals of mechanical engineering the syllabus may be revised, bearing in mind the standard of the 1st year students.

Third Semester:

- "Strength of materials "and "Fluid mechanics"those subjects can be modified so as to suit the requirement of the mechanical engineering courses.
- If the lab slots are available, the clubbing of theory and practical may be avoided.



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E.G.S. PILLAY ENGINEERING COLLEGE

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Nagore Post, Nagapattinam – 611 002, Tamilnadu.

Post Graduate: M.E Manufacturing Engineering

- All Syllabus may be revised based on the job requirement.

Question Paper Patterns

UG/PG Programme.

Part A = 10 x 2 = 20 Marks

Part B = 5 x 12 = 60 Marks (Either or)

Part C = 1 x 20 = 20 Marks (Either or)

Total = 100 Marks, Duration = 3 Hours

Evaluation Methods

Theory

Practical

Continuous Assessment = 40%

Continuous Assessment = 50%

Semester Examinations = 60%

Semester Examinations = 50%

The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of first and second semester of B.E Mech and M.E. Manufacturing Programmes to the Academic Council for approval.
- It is resolved to recommend the curriculum of 3rd – 8th Semester B.E Mech and 3rd and 4th semester M.E., Manufacturing 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: 07.07.2017

Place: Nagapattinam

Chairman – BoS (Mech)

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



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Annexure I



E.G.S. PILLAY ENGINEERING COLLEGE
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Nagapattinam Post, Nagapattinam – 611 002, Tamilnadu.



Board of Studies Meeting

Attendance

Name of the Department : Mechanical Engineering
Meeting No : 01
Date & Time : 07-07-2017 & 9.30 A.M.
Venue : Board Room

Sl.No.	Name	Category	Signature
1	Dr. S. KRISHNAMOJIAN	Chairman	
2	Dr. R. SARAVANAN	University Nominee	
3	Dr. M. DURAISELVAM	External Expert Members	
4	Dr. K. KRISHNAMOORTHY		
5	Mrs. C. NIRUPAMA	Industry / Corporate Sector	
6	Mr. BERTRAM GODWINPAUL IGNATIUS		
7	Dr. V. ANANDAKRISHNAN	Alumnus	
8	Prof. G. GURUMOORTHY	Internal Members	
9	Prof. N.RAMANUJAM		
10	Dr. V. SIVARAMAN		

Chairman – BoS (MECH)

CHAIRMAN
Board of Studies

Department of Mechanical Engineering
E.G.S. Pillay Engineering College,
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Nagapattinam.



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Nagore Post, Nagapattinam – 611 002, Tamilnadu.

Minutes of Board of Studies (BoS) Meeting

Name of the Department	Mechanical Engineering.
Names of the Programmes	B.E. Mechanical Engineering. M.E. Manufacturing Engineering.
Meeting No	02
Date & Time	21.04.2018 & 09.30 A.M.
Venue	Board Room

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 get approval for updated UG & PG (First Year) Syllabus for following subjects, Fundamentals of Mechanical Engineering, Workshop Practice, Advanced Optimization techniques and Metal Forming lab.
 - To finalize the syllabi of B.E Mech Programme from third to eighth semester and M.E Manufacturing Programme from third to fourth semester.
 - To finalize the syllabi of EEE department elective subjects related to mechanical.
 - 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 Mech and 3rd to 4th semester M.E Manufacturing Engineering Programmes.

Under Graduate B.E Mechanical Engineering

1. BoS Members accepted modification done in the following UG First year subjects, Fundamentals of Mechanical Engineering, Workshop Practice
2. The expert committee suggested that the syllabus of Fundamentals of Mechanical Engineering subject may be reduced.



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3. Number of credits should be increased in the subject of Machine Drawing.
4. The sequential order of technical seminar in third semester must be changed, and also the subject name "Technical Seminar" may be changed as "Seminar Presentation" in the same semester.
5. The title of subject Engineering Metrology and Measurement may be changed as "Measurement and Metrology".
6. The appropriate of PEOs and POs for IV and In-Plant training should be mentioned in the curriculum.
7. The open electives should be mentioned clearly in the curriculum itself.
8. Credit point table should be framed category wise.
9. The title of "Project Work" may be changed to "Project Viva Voce".
10. The subject name thermodynamics engineering may be changed as "Engineering Thermodynamics" in the third semester curriculum, and also third law of thermodynamics to be included in the syllabus.
11. The topic transportation model to be included in the operation research course.
12. CAD lab syllabus to be updated.
13. CAM lab syllabus to be updated.
14. Title of the mini projects to be mentioned clearly as follows

Mini project I	-	Design and Fabrication
Mini Project II	-	Design and CAD modeling
Mini Project III	-	Simulation and analysis
15. Minimum one Website link must be included for all the courses along with references.
16. Number of hours should be in uniform for all theory subjects as well as problematic subjects.

Post Graduate: M.E:- Manufacturing Engineering

1. BoS Members accepted modification done in the following PG First year subjects, Advanced Optimization techniques and Metal Forming lab.
2. Expert committee recommended to increase the number of credits in project phase II.



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Mechanical Engineering.
Names of the Programmes	B.E. Mechanical Engineering. M.E. Manufacturing Engineering.
Meeting No	03
Date & Time	12.05.2019 & 10.00 A.M.
Venue	Board Room

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

1. Chairman / BoS welcomed all members for the 3rd meeting of Board of Studies.
2. Chairman / BoS briefed the members about the Agenda.
 - Dissemination of Department Vision, Mission, PEOs, POs and PSOs
 - To get approval for UG First Year Syllabus for following subjects, Engineering Graphics, Manufacturing practices lab, and CAD lab,
 - To finalize the curriculum of 3rd – 8th Semester B.E Mech
 - Any other matters.
3. The following are the suggestions given by the member of Board of Studies.
 1. Add Engineering Exploration subject in the curriculum.
 2. Update the reference section of engineering graphics with latest edition of books.
 3. Expand the syllabus of CAD lab. Do not mention specific software name in the syllabus.
 4. Change Manufacturing practices lab name as Basic workshop. Add few more experiments in Basic workshop lab.
 5. Add Mechatronics and Automation subject in the curriculum.
 6. Names of the subjects in the curriculum and the syllabus are to be same.
 7. Mention the induction programme for 3 weeks in the curriculum.
 8. Number of lines in each module of the syllabus is to be same.
 9. While reducing elective courses for the students who have completed online or industry sponsored courses, subject equality is to be considered.
 10. Add the following one or two credit courses in the curriculum:
Lean Manufacturing, Piping Engineering, CNC/Robot Programming, Logistics & Supply Chain Management, Additive Manufacturing, Python Programming,



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4. The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of First and Second semester of B.E Mechanical Engineering Programme to the Academic Council for approval.

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

Date: Nagapattinam

Place: 12.05.2019

Chairman – BoS (Mech)

CHAIRMAN

Board of Studies

Department of Mechanical Engineering
E.G.S. Pillay Engineering College,
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Nagapattinam.



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Mechanical Engineering.
Names of the Programmes	B.E. Mechanical Engineering. M.E. Manufacturing Engineering.
Meeting No	04
Date & Time	27.06.2020 & 11.00 A.M.
Venue / Platform	Google Meet App
Google meet link	https://meet.google.com/unm-ekoe-teb
Google Meet App Moderator (host)	Dr.S.Krishnamohan, Professor & Dean (Mechanical)

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

1. Chairman / BoS welcomed all members for the 4th meeting of Board of Studies.
2. Chairman / BoS briefed the members about the Agenda.
 - To finalize the Second year (third & Fourth Semester) syllabi of B.E. Mech Programme.
 - 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 & 4th semester

1. Add recent trends subject in the curriculum.
2. Add Operational Research Subject.
3. Add product design and development subject in the open elective
4. Number of Hours should be Changed 3 hours to 2 hours in the subject of Constitution of India
5. Students has to practical exposure in manufacturing design and also need industrial exposure
6. Add Programming subjects for the placement be like Python, C++, etc...
7. Allow students internship in 8th semester
8. Allow the students to addend the online NPTEL Courses
9. Add design of 6sigma subject in electives.
10. The syllabus of Universal Human Values and Ethics (Open Elective) is approved.



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4. The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of third and fourth semester of B.E Mechanical Engineering Programme to the Academic Council for approval.

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

Date: 27/06/2020

Place: Nagapattinam

Chairman – BoS (Mech)

CHAIRMAN
Board of Studies
Department of Mechanical Engineering
E.G.S. Pillay Engineering College,
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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Mechanical Engineering.
Names of the Programmes	B.E. Mechanical Engineering. M.E. Manufacturing Engineering.
Meeting No	05
Date & Time	23.01.2021 & 11.45 A.M.
Venue / Platform	Google Meet App
Google meet link	https://meet.google.com/ahp-dws-wkb
Google Meet App Moderator (host)	Dr.S.Krishnamohan, Professor & Dean (Mechanical)

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

1. Chairman / BoS welcomed all members for the 5th meeting of Board of Studies.
2. Chairman / BoS briefed the members about the Agenda.
 - Finalizing the Third year and Final Year (Fifth, Sixth, Seventh and Eighth Semester) syllabi of B.E Mechanical Programme.
 - Finalizing the list of equipments required for all the laboratories.
 - Any other matters.
3. The following are the suggestions given by the member of Board of Studies.

The member of Board of Studies members have gone through the curriculum and syllabi of third year and Final Year and afford following suggestions:

1. Problem oriented subjects have to be given only 3 credits, if it is possible change may be applicable (as 4 credits)
2. The title of "Mini Project 1 & Mini Project 2" Should be changed as "Mini Project Phase 1 & Mini project phase 2".
3. If the open elective course is not compulsory, then students need to have a chance take any profession core subject as elective.
4. CAM lab is available in the curriculum, but CAM related theory is missing; Only CIM subject available in electives. Hence CAM related theory is to be included.
5. It is suggested to Change the subject title "competitive exam preparation",
6. Machine drawing subject is available in elective subjects. If possible it may be combined with CADA lab



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7. Operation research subject is missing in curriculum. It has to be included.
 8. Kinematics of Machines (6th semester) and Dynamics of Machines (7th semester) should be moved to 5th and 6th semester respectively.
 9. Any topics related to Recent advancement in Industry 4.0 can be added.
4. The following resolutions were passed
- It is resolved to recommend the curriculum, syllabi and list of equipments required for all laboratories of 5th, 6th, 7th and 8th semester of B.E Mechanical Engineering Programme to the Academic Council for approval.

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

Date: 23/01/2021

Place: Nagapattinam

Chairman – BoS (Mech)

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

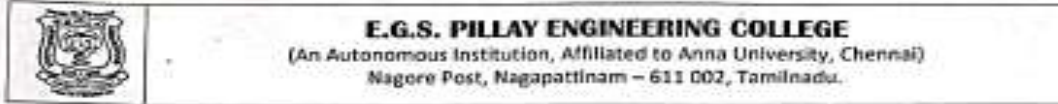


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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Mechanical Engineering.
Names of the Programme	M.E. Manufacturing Engineering.
Meeting No	06
Date & Time	11.07.2021 & 11.00 A.M.
Venue / Platform	Google Meet App
Google meet link	https://meet.google.com/fqf-xpuc-ooo
Google Meet App Moderator (host)	Dr.S.Krishnamohan, Professor & Dean (Mechanical)

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

1. Chairman / BoS welcomed all members for the 6th meeting of Board of Studies.
2. Chairman / BoS briefed the members about the Agenda.
 - To finalize the new Regulations (Regulations 2021) and detailed curriculum for M.E Manufacturing Engineering.
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 M.E Manufacturing Engineering.

Dr.G.SureshKannan

1. The credit for 3rd semester is 16 credits and wrongly printed as 12 in word document.
2. Elective courses are looks like UG program course.
3. Project for PG students must be individual.
4. Give Pedagogy Studies as audit course for PG students.

Dr.M.Duraiselvam

1. Include syllabus like Additive Manufacturing, IoT etc.,

Dr.K.Krishnamoorthy

1. Include latest reference book for all subjects.
2. Include latest manufacturing topics like Additive Manufacturing etc.,



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Dr. Shanthakumar Mohan

1. Include computational course in curriculum.

Dr. Jagannathan

1. Suggested to include latest advanced topics related to Manufacturing.
2. Materials Technology syllabus needs to be upgrade.

4. The following resolutions were passed

- It is resolved to recommend the curriculum, syllabi and list of equipments required for all laboratories of all semester of M.E Manufacturing Engineering Programme to the Academic Council for approval.

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

Date: 11/07/2021

Place: Nagapattinam

Chairman – BoS (Mech)

CHAIRMAN
Board of Studies
Department of Mechanical Engineering
E.G.S. Pillay Engineering College,
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Nagapattinam.



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Board of Master of Business Administration



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Department of Management Studies Board of Studies (BoS) Members

Sl.No.	Name	Category
1	Dr. R. KARTH , Professor / Director, Master of Business Administration, E.G.S.Pillay Engineering College, Nagapattinam, E-Mail: rkarth_2022@yahoo.co.in, Mobile: 7373067013, 9842774607, Phone No.:	Chairman
2	Dr. R. MAGESH , Associate Professor, Master of Business Administration, Anna University, Chennai, E-mail: rajmagesh65@hotmail.com Mobile: Phone No.: 044- 22358775	University Nominee
3	Dr. N. THAMARASELVAN , Associate Professor, Master of Business Administration, National Institute of Technology, Tiruchirappalli, E-mail: selvan@nit.edu, selvanthamarai27@gmail.com Mobile: 9843777217 Phone No.:	External Expert Members
4	Dr. M. P. PANDIKUMAR , Associate Professor, Master of Business Administration, Loyola Institute of Business Administration, Chennai, E-mail: pandikumar@liba.edu Mobile: 9597185887 Phone No.:	
5	Mr. J. SARATH CHANDAR Asst.Mgr – HR, IVTL Infoview Technologies Ltd Vishnuathi Melaram Towers, Karapakkam, Chennai -600097 Email: sarath.chandar@ivthefoxview.com Mobile: 9952943404	Industry / Corporate Sector



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Department of Management Studies Board of Studies (BoS) Members

Sl.No.	Name	Category
6	Mr. S. SYED NASURDEEN MOULANA Business Development Executive, Campus Interaction Pvt. Ltd., Chennai. E-mail: moulana91@gmail.com Mobile: 9677866322	Alumnus
7	Mrs. B. ASHA DAISY, Assistant Professor, E-Mail: ashadaisy07@gmail.com Mobile: 9585091039	Internal Members
8	Ms. P. VINOETHA, Assistant Professor, E-Mail: tvinothataamilmba@gmail.com Mobile: 9585686663	
9	Ms. P. BALAISHWARYA, Assistant Professor, E-Mail: balaishwarya19@gmail.com Mobile: 9994081913	
10	Mrs. A. UMADEVI, Assistant Professor, E-Mail: umadv90@gmail.com Mobile: 8220447462	



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Management Studies
Name of the Programme	MBA
Meeting No.	01
Date & Time	08.07.2017 & 10:00 A.M.
Venue	ED Cell

Chairman / BoS welcomed all the members for the 1st meeting of Board of Studies. Chairman / BoS introduced the members presented, Chairman / BoS briefed the members about the Agenda to finalize the curriculum and syllabi of MBA Programme (CBCS) system and to finalize the question paper pattern for MBA Programme and evaluation methodologies.

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

- Regarding the managerial communication the members were suggested that
 - o The communication skills class must be conducted with practical sessions.
 - o Proper evaluation must be done to improve the performance of the students in laboratory.
 - o Provide 3 credits to Managerial communication skills paper.
 - o Communication may be divided into Oral, Written and Etiquettes.
- With respect to the Accounting for management members recommended following directions that :
 - o To concentrate in Financial statement Analysis by using real time data
 - o Cost accounting portion may be strengthened
 - o After learning the fundamentals of Accountancy, tally may be given in next semester.

Concerned to the Total Quality Management in First semester, members recommend that TQM paper may be included with Production and Operations Management elective.


Chairman
 Board of Studies
 Department of Management Studies
 EGS Pillay Engineering College
 Nagapattinam


 Subject Expert

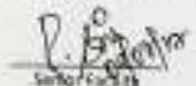

 University Nominee


 Industry Expert
 Chennai


 Subject Expert


 Member


 Senior Faculty


 Subject Expert


 Senior Faculty



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Regarding the subject Legal Aspects of Business the members are advised to induct Wages Act in revised version.

In the subject Economic Analysis for Business the content can include Micro Economic portion with appropriate weight age in syllabus.

The members recommends that the subject Business Ethics, CSR and Corporate Governance can be included with Legal aspects of Business and Organisational behaviour.

Mr. Chaitanya Krishna- Industry expert recommends to include more weight age for HRIS Human Resource Management.

All the members suggested that Theory related Practical's can be given in parallel. Lab papers title may be designed as Software Skill Lab I & II. Statistics for Management with SPSS or SAS and Mr Excel practical can be included and Operations Research can be taught and trained with TORA.

It was suggested by the members that the subject International Business Management proposed for fourth semester may be shifted to 3rd semester as core paper.

Dr.Magesh – University nominee suggested to include conflict management content in Organisational Behaviour

Dr. M.P.Pandikumar – Subject expert recommended to Markowitz Model topic should be included in portfolio construction in Security Analysis portfolio Management subject

Concerned to the Financial management members were recommended the following suggestions: to Use title for the First Unit as Introduction to Financial Management, remove Option Valuation and to include Forward, Commodities, Currency, futures and options may be included in Derivatives Management under finance elective courses

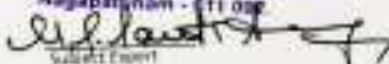
The board suggested to maintain Minimum 3 text books which should be included in the Syllabus apart from the references. The members of the board emphasized the need for chronological order in the list of both text and reference books.

Professional Skill Development

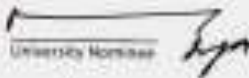
This title may be used as Seminar

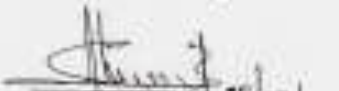
Dr.Thamaraselvan subject expert suggested to have two and one core papers in the third and fourth semester respectively.


Board of Studies
Department of Management Studies
E.G.S Pillay Engineering College (Autonomous)
Nagapattinam - 611 002


Subject Expert


Senior Faculty


University Nominee


Industry Expert
06/03/2020


Senior Faculty


Subject Expert


Member
06-03-20


Senior Faculty



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Theory

2 core papers in 3rd Semester

2 core papers in 4th Semester

Dr. Thamaraseelan subject expert suggested to have two and one core papers in the third and fourth semester respectively.

Electives

5 Electives in 3rd Semester

3 Electives in 4th Semester

Project

Final project may be completed within 4 weeks after the examination of the 3rd semester is completed.

University nominee member request the chair to ensure the Regulation - Eligibility criteria for MBA admission is set by AICTE.

One Credit Course

Members highlighted that one credit course can be offered without any compulsion

Industry Interactions

Members suggested that regular interaction with the industry will help the students to get more exposure in projects and placements.

Seminar and GD

Concentrate on Seminar and Group Discussion regularly.

"Activity Based learning should be encouraged in classrooms".

Case study may be conducted.

Industry expert stressed the need for case based method of coaching is vital in modern days of business education. Activity based learning (ABL) as part of Knowledge transmission during classroom lectures. Alumni of the Department Mr. Syednasirudeenmoulana shared his view regarding the necessity of seminar and Group discussion as part of modern management in order to meet corporate expectations. The Chairman of the Board of studies summarized and concluded the discussed agenda points and summarized the valuable inputs shared and suggested by the members of the board of studies MBA (CBCS). Finally the chairman thanked the members and respectively the minutes were circulated and signed by the members.

 CHAIRMAN Board of Studies Department of Management Studies E.G.S. Pillay Engineering College (Autonomous) Nagapattinam - 611 002	 University Nominee	 Subject Expert
 Subject Expert	 Industry Expert 02/03/2017	 Alumni
 Senior Faculty	 Senior Faculty	 Senior Faculty



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Action Taken for Board of Studies (BoS) Meeting

Department of Management Studies (Engineering Courses)

30.04.18

BOS Minutes	Action Taken
Total Quality Management It is insisted to check the Gas Dynamics in the list of references. Add the recent edition books in the syllabus and give preference to standard books.	The preference is given to the recent edition books and standard books in the syllabus.
Entrepreneurship Development It is suggested to add how to develop business plan in the syllabus and change the repetition of breakeven analysis which is given in the Industrial economics and ED syllabus. It is also suggested to include introduction to Export and Import business in the syllabus. Rearrange the reference books in the syllabus. Remove cash flow in the syllabus and add capital budgeting in the syllabus.	It is added how to develop business plan in the syllabus and changed the repetition of breakeven analysis which is given in the Industrial economics and ED syllabus. It is also included the introduction to Export and Import business in the syllabus.
General Management It is insisted to change the General Management Title as Fundamentals of Functional Management. Remove the cases in all units. Remove the factories act and add EHRM in the syllabus. Reframe the whole syllabus by incorporating all the five functional areas.	The General Management Title was changed as Fundamentals of Functional Management.
Industrial Economics It is suggested to remove "objectives and kind of organization" in Unit I and replace the opportunity cost from unit I to unit III. It is also suggested that reorder the capital budgeting. Title should be framed as "Market structure and Capital budgeting".	In Unit I objectives and kind of organization was removed. The opportunity cost is replaced from Unit I to Unit III. Title was reframed as "Market structure and Capital budgeting".
Principles of Management It is suggested to remove the content in Unit I from Business organization to current issues. Remove strategic management in unit II and remove the topics from HRM to Career planning. Include OCB in the syllabus. It is also suggested to change the course objectives two and three.	The content in Unit I from Business organization to current issues was removed from the syllabus. Also removed strategic management in unit II and include OCB in the syllabus.



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Human Rights Change the Unit II heading as Social and Economical impact in Human Rights. The fourth unit title should be changed as Environmental impact in Human Rights.	Unit II Heading was Changed as social and Economical impact in Human Rights.
Intellectual Property Rights It is suggested to revise the Unit III and add N.D.Kapoor Book in the syllabus	Unit III was revised and N.D.Kapoor Book added in the syllabus.
Disaster Management It is suggested to change the Unit IV as Unit V and Unit V as Unit IV. It is also suggested to change the disaster risk management in India as disaster risk management. It is suggested to include the importance of insurance management. It is suggested to change the course objectives in accordance with the course outcome in all courses. Rearrange the reference books in the order of recent international to regional publications. It is also suggested to remove website ids in all the syllabus.	Course Objectives and outcomes are changed according to the suggestion given by BOS members.
Apart from the above said suggestions, Marketing Management and HRM course may also be offered in engineering programme as Elective papers.	Marketing Management and HRM course syllabus is prepared and submitted to COE office as elective papers for Engineering programme.

[Handwritten Signature]
Director/MBA
CHAIRMAN

Board of Studies
Department of Management Studies
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam - 611 002



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Annexure - I

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Board of Studies Meeting

Attendance

Name of the Department : Management Studies
Meeting No : 02
Date & Time : 21-04-2018 & 10.00 A.M.
Venue : MIRA A/C Seminar Hall, PG Block.

Sl.No.	Name	Category	Signature
1	Dr. R. KARTHI	Chairman	
2	Dr. R. MAGESH	University Nominee	
3	Dr. N. THAMARAISELVAN	External Expert Members	
4	Dr. M. P. PANDIKUMAR		
5	Mr. J. SARATH CHANDAR	Industry / Corporate Sector	
6	Mr. S. SYED NASURDEEN MOULANA	Alumni	
7	Prof. B. ASHA DAISY	Internal Members	
8	Prof. P. VINOOTH		
9	Prof. P. BALAISHWARYA		
10	Prof. A. UMADEVI		


Chairman - BoS (MBA)
CHAIRMAN
Board of Studies
Department of Management Studies
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam - 611 002.



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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Management Studies
Names of the Programme	MBA
Meeting No.	02
Date & Time	21/04/2018 & 10.00 A.M.
Venue	SJ Block

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

1. Chairman / BoS welcome all members for the 2nd meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
 - To finalize the list of Management courses for Engineering programme.
 - To discuss the syllabus of Management courses for Engineering programme.
 - Any other matters.
4. The following are the suggestions given by the members of Board of Studies

The members of Board of Studies have gone through the list of syllabus of Management courses offered for Engineering programme.

Total Quality Management

It is insisted to check the Gas Dynamics in the list of references. Add the recent edition books in the syllabus and give preference to standard books.

Professional Ethics

It is suggested to remove website ids in the syllabus. Include the Individual responsibility in CSR under the head of Unit IV.



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Entrepreneurship Development

It is suggested to add how to develop business plan in the syllabus and change the repetition of break even analysis which is given in the Industrial economics and ED syllabus.

It is also suggested to include introduction to Export and Import business in the syllabus.

Rearrange the reference books in the syllabus. Remove cash flow in the syllabus and add capital budgeting in the syllabus.

General Management

It is insisted to change the General Management Title as Fundamentals of Functional Management. Remove the cases in all units. Remove the factories act and add FIRM in the syllabus. Reframe the whole syllabus by incorporating all the five functional areas.

Industrial Economics

It is suggested to remove "objectives and kind of organization" in Unit I and replace the opportunity cost from unit I to unit III. It is also suggested that reorder the capital budgeting. Title should be framed as "Market structure and Capital budgeting".

Principles of Management

It is suggested to remove the content in Unit I from Business organization to current issues. Remove strategic management in unit II and remove the topics from HRM to Career planning. Include OCB in the syllabus. It is also suggested to change the course objectives two and three.

Human Rights

Change the Unit II heading as Social and Economical impact in Human Rights. The fourth unit title should be changed as Environmental impact in Human Rights.

Intellectual Property Rights

It is suggested to revise the Unit III and add N.D.Kapoor book in the syllabus.

Disaster Management

It is suggested to change the Unit IV as Unit V and Unit V as Unit IV. It is also suggested to change the disaster risk management in India as disaster risk management. It is suggested to include the importance of insurance management.



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It is suggested to change the course objectives in accordance with the course content of all courses. Rearrange the reference books in the order of recent international or national publications. It is also suggested to remove website id in all the syllabus.

Apart from the above said suggestions, Marketing Management and HRM course may also be offered in engineering programme as Elective papers.

5. The following resolutions were passed

It is resolved to recommend the syllabi of Management courses for Engineering programme to the Academic Council for approval.

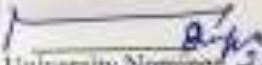
The Chairman, Board of Studies thanked all the members for their valuable suggestions and coordination.


Date: 21.04.2018

Place: Nagapattinam


CHAIRMAN
Board of Studies
Department of Management Studies
E.G.S. Pillay Engineering College (Autonomous)
Nagapattinam - 611 002.

Subject Expert
Dr. M.P. Pandeykumar


University Nominee
D.R. MAGESH


Subject Expert
Dr. M. Thirumangalakudi


Industry Expert
M. S. Srinivasan


Alumni
Sudhakar


Senior Faculty

B. Asha Daisy


Senior Faculty

P. Raghavaram


Senior Faculty

P. VICTORIA



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Board of BE – Master of Computer Applications



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Page 1 of 5

	E.G.S. PILLAY ENGINEERING COLLEGE (An Autonomous Institution, Affiliated to Anna University, Chennai) Nagore Post, Nagapattinam – 611 002, Tamilnadu. Department of Master of Computer Applications	
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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Master of Computer Applications
Names of the Programmes	Master of Computer Applications
Meeting No	03
Date & Time	12.06.2020 , 03.30 PM
Venue	Online Meeting (Reports from BoS members obtained through email are analyzed and reviewed in detail)

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

1. Chairman / BoS welcomed all members for the 3rd Meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Review of last BOS Meeting Minutes.
 - During the last BoS Meeting the curriculum and Syllabus of Regulation 2017 is finalized.
 - The effectiveness and outputs of the 2017 curriculum was analyzed in detail.
4. Chairman / BoS briefed the members about the Agenda
 - Discussion and suggestions invited on the newly framed Regulations, Curriculum and Syllabus for the 2020-21 Academic Batch of 2 years MCA Programme.



Dr. J. Vanitha

Chairman (BoS)



Dr. Michael Arock

Subject Expert



Mrs. C. Malika

Senior Faculty



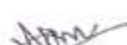
Dr. J. Shana

University Nominee



Mr. S. Sathya Prakash

Industry Expert



Mrs. A. Hema

Senior Faculty



Dr. T. Ramkumar

Subject Expert



Mr. S. Saravanan

Alumni



P. Kumaran

Senior Faculty



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

Dr. J. Shana (University Nominee) suggested the following.

- i. Since the focus of MCA programme is to build such skills that would enable the MCA graduates to develop software applications, Kindly design courses that would help in this. In this regard it suggested incorporating lab component wherever feasible. Operating system with hands-on lab in Linux and system programming would be better.
- ii. Since the course has been shrunk to 2 years even though there won't be too many slots to include all courses but we can free up slots by combining lab in theory wherever it is possible. Data mining lab can be put along with theory as we will be using only libraries to implement the mining algorithms.
- iii. Mobile application development lab can be a core as today all apps are mobile based.
- iv. It is suggested to include one information security paper as a core.
- v. Network lab is also missing though socket programming has been added in Java and web lab.
- vi. It is suggested to include advanced topics in all the theory papers as the majority of the subjects students would have already learnt unless we have more students from other backgrounds.
- vii. Kindly consider the latest edition of books for all the subjects.
- viii. OOAD concepts could be included in Software Engineering as one unit and free that slot.
- ix. Data Analytics paper has units which overlaps with Data mining paper. We can remove that and also add the lab component along with theory because this paper is more of practicals.

The list of electives can be extended so that students have more choi

Dr. J. Vanitha

Chairman (BoS)

Dr. J. Shana
University Nominee

Dr. T. Ramkumar

Subject Expert

Dr. Michael Arock

Subject Expert

Mr. SS. Sathya Prakash

Industry Expert

Mr. S. Saravanan

Alumni

Mrs. C. Mallika

Senior Faculty

Mrs. A. Hema

Senior Faculty

P. Karthikeyan

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E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

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- xi. New web programming technologies like nodeJS, Angular, ReactJS can be included in web programming lab.
- xii. In regulation if possible kindly mention the one credit and online courses should not be similar to one offered in PC or PE list.

Dr. T. Ramkumar (Subject Expert) suggested the following.

- i. The curriculum is well designed with immense care for a qualifying credit of 82.
- ii. Professional components such as Programme Core, Programme Elective, Value Added courses have been included with segmented focus.
- iii. 4th semester Master Thesis may be included in PC instead of EEC.
- iv. Since Cloud Computing course is allotted in Third Semester, Better to remove Internet of Things, Artificial Intelligence, Hadoop and NoSQL Databases from Elective - I (Second Semester Electives) and carry over to Elective - II (Third Semester Electives)
- v. Instead of above three, please keep Digital Image Processing, Software Quality Assurance, Professional Practice and Ethics in Elective - I from Elective - II.
- vi. DevOps can be included as one of the value added courses.
- vii. Pre-requisite information is missing in electives.
- viii. Mode of evaluation can be included in all the courses besides course objectives and course outcomes

Dr. Michael Arock (Subject Expert) suggested the following.

- i. In two places, in Mathematical Foundations and Data Structures and algorithms, Minimum spanning trees related algorithms are discussed.
- ii. Remove AVL tree from Data Structures and include latest tree (given in Cormen et al. latest edition).
- iii. Instead of Programming using C and C++, we can go for Python.

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- iv. In OS, we can include one unit for mobile OS.
- v. Instead of HR Management, we can go for Organizational Behavior and Personnel Management.
- vi. Instead of Website Development, we can have "Web Technology".
- vii. In electives, we have "Application Development". That can be "App Development" itself.
- viii. Verbal ability courses were found in two places.

Mr. Sathya Prakash SS (Industry Expert) suggested the following.

- i. Electives can be bundled as career oriented, this will be an eye opener and an exposure for the students to become a SME from internship.
- ii. The elective HRM can be replaced by newer management paper.
- iii. In the course, Distributed Systems and Cloud Computing emphasis should be given to AWS with regard to IaaS, SaaS and PaaS.
- iv. The courses can include topics related to IT Business fundamentals.
- v. An elective paper related to Technical Business Analyst job would be more benefit to the MCA Professionals.
- vi. The Operating System course should include topics related to Microsoft Windows, Apple MAC OS, Linux, Android and Apple's iOS.
- vii. The power of Microsoft Excel should be learned by the students and this can be included in appropriate course.
- viii. The internship should include live projects or outsourcing work experience.
- ix. The Business intelligence/Data Analytics should include text mining, optimization and Data visualization topics.
- x. The Business intelligence, ERP courses can be give as special electives.
- xi. The Internet of Things course should include topics related to Acquiring and sorting IoT Data, Reprocessing and transformations and Analytics for business insights
- xii. IOT frameworks and Sensors. Internships in IoT should be encouraged.


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- iii. In Mobile Technologies course emphasis should be give on Android and iOS development, graphical representations and Application Program Interface (APIs)
- iv. Software testing course can be provided giving emphasis to automation test tools and selenium software.
- v. Special Electives related to IT infrastructure Management can be included.

Mr. S. Saravanan (Alumni Member) suggested the following.

- i. In Elective III group, ASP.NET and C#.NET Programming is Part of .NET Programming, we can combine these two courses into one course.
- ii. After combining the above courses into one course we can introduce "Mobile Development" course in Elective III group.

6. The following are the Suggestions for Improvement of Research Areas

It is suggested to add lab component for such courses which have industrial and research importance.

7. The following resolutions were passed

- It is resolved to recommend the newly framed 2020-21 regulations for MCA Programme to the Academic Council for Approval.
- It is resolved to recommend the newly framed 2020-21 curriculum and syllabi of 1st to 4th semester of two years MCA Programme to the Academic Council for approval.

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

Date: 12-06-2020

Place: Nagapattinam

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