



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



Minutes of Board of Studies (BoS) Meeting

Name of the Department	Computer Science an Business Systems
Name of the Programme	B.Tech(Computer Science and Business Systems)
Meeting No.	2
Date & Time	24.12.2021, 11.00A.M
Venue	Online Platform - Google Meet

1. Chairman / BoS welcomed all members for the meeting of Board of Studies for the new programme B.Tech (Computer Science and Business Systems).
2. Chairman / BoS introduced the University Representative and expert members.
3. Chairman / BoS briefed the members about the Agenda.
 - (i) To finalize the curriculum for 3rd and 4th semester B.Tech. Programme in Computer Science and Business Systems.
 - (ii) To finalize the syllabus for 3rd and 4th semester subjects according to the E.G.S.P.E.C Regulations R2019.
 - (iii) To approve the syllabus for 3rd and 4th semester subjects offered for the new Programme, B.Tech in Computer Science and Business Systems (CSBS).
4. Dr. S. Mary Saira banu, University representative gave her introductory speech and wished the members for successful conduction of the meeting.
5. The Subject Experts discussed the syllabus and presented their suggestions on the necessary modifications of the syllabus.

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

- The Board of Studies members have gone through the curriculum and syllabus for first and second semester B.Tech-CSBS Programme offered by the Department of Computer Science and Business Systems.

Third & Four Semester

- Tutorial hours should be added for Formal Language and Automata Theory
- Suggested to combine "Software Engineering" theory and lab courses as single course as Theory cum Lab course with 4 credits.
- Students are encouraged to complete NPTEL courses before 7th sem
- Discuss about the Employability course Entrepreneurship and skill development course were suggested by stockholders
- Combine "Business Communication and Value Science-III" theory and lab courses as single course with 4 credits.

The following resolutions were passed:

- It is resolved to recommend the curriculum and syllabus for third semester and Fourth semester of B.Tech. Programme in CSBS to the Academic Council for approval.

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

Dr.S.Mary Saira banu, University representative gave her concluding remarks and appreciated the efforts taken by the faculties to conduct this meeting successfully

MChS
21/12/2021

Chairman – BoS (CSBS)
CHAIRMAN
Board of Studies
Department of Computer Science & Engineering
EGS Pillay Engineering College (Autonomous)
Nagapattinam.



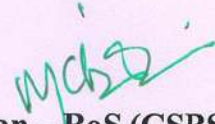
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Board of Studies (BoS) Meeting

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S.No.	Name	Category
	Dr. M. CHINNADURAI	Chairman
2	Dr. S. MARY SAIRA BANU	University Representative
3	Dr. A. AMUTHAN	External Expert Members
4	Dr. M. ARAMUDHAN	
5	Mr.U.CHANDRASEKAR	Industry / Corporate Sector
6	Ms. MERCY MARIA	Alumnus
7	Mr. P. HARIHARAN	
8	Mr.R.SenthilKumar	Internal Members
9	Mr.R.Gobinath	


Chairman – BoS (CSBS)
CHAIRMAN
Board of Studies
Department of Computer Science & Engineering
EGS Pillay Engineering College (Autonomous)
Nagapattinam.

E.G.S. PILLAY ENGINEERING COLLEGE

An Autonomous Institution, Affiliated to Anna University, Chennai
Accredited by NBA | Accredited by NAAC with Grade 'A'
One among Top 300 Institutions in India [NIRF Ranking 2022]
Approved by AICTE, New Delhi | Nagapattinam, Tamil Nadu



CURRUCULUM & SYLLABI

B.Tech – Computer Science & Business Systems [CSBS]
Department of Computer Science & Business Systems, EGSPEC

Regulations-2019 [R-2019]

I SEMESTER											
Code No.	Course Name	L	T	P	C	Hours/Week	Maximum Marks			Category	
							CA	ES	Total		
1901MA105	Discrete Mathematics	3	0	0	3	3	40	60	100	BS	
1901MA106	Probability and Statistics	3	0	0	3	3	40	60	100	BS	
1901GE102	Principles of Electrical Engineering	2	0	2	3	4	50	50	100	BS	
1901PH103	Fundamentals of Physics	2	0	2	3	4	50	50	100	BS	
1901EN101	Business Communication and Value Science – I	1	0	2	2	3	100	0	100	HSS	
1901GE103	Fundamentals of Computer Science	3	0	4	5	7	50	50	100	ES	
	Induction Program (Non Credit)	0	0	0	0	0	100	0	100	-	
Total		14	0	10	19	24	430	270	700		

II SEMESTER											
Code No.	Course Name	L	T	P	C	Hours/Week	Maximum Marks			Category	
							CA	ES	Total		
1901MA205	Linear Algebra	3	1	0	4	4	40	60	100	BS	
1901MA206	Statistical Modeling	3	1	0	4	4	40	60	100	BS	
1901GE202	Data Structures and Algorithms	2	1	2	4	5	50	50	100	ES	
1901GE203	Principles of Electronics	2	0	2	3	4	50	50	100	BS	
1901HS201	Fundamentals of Economics	2	0	0	2	2	40	60	100	BS	
1901EN201	Business Communication and Value Science – II	1	0	2	2	3	100	-	100	HSS	
Total		13	3	6	19	22	320	280	600		

III SEMESTER											
Code No.	Course Name	L	T	P	C	Hours/Week	Maximum Marks			Category	
							CA	ES	Total		
	Theory Course										
1902BS301	Formal Language and Automata Theory	3	1	0	4	4	40	60	100	PC	
1902BS302	Computer Organization and Architecture	3	0	0	3	3	40	60	100	PC	
1902BS303	Object Oriented Programming	3	0	0	3	3	40	60	100	PC	
1902BS304	Computational Statistics	3	0	0	3	3	40	60	100	PC	
1902BS305	Software Engineering	3	0	2	4	5	50	50	100	PC	
1902BS306	Financial Management	3	0	0	3	3	40	60	100	PC	
	Laboratory Course										
1902BS351	Object Oriented Programming Lab	0	0	2	1	2	50	50	100	PC	
1902BS352	Computational Statistics Lab	0	0	2	1	2	50	50	100	PC	
1904GE351	Life Skills: Soft Skill	0	0	2	1	2	100	-	100	EEC	
	Audit Course										
1901MCX02	Constitution of India	2	0	0	0	2	100	-	100	MC	
Total		20	1	8	23	29	550	450	1000		

IV SEMESTER										
Code No.	Course Name	L	T	P	C	Hours/ Week	Maximum Marks			Category
							CA	ES	Total	
	Theory Course									
1902BS401	Operating Systems	3	0	2	4	5	50	50	100	PC
1902BS402	Database Management Systems	3	0	0	3	3	40	60	100	PC
1902BS403	Software Design with UML	3	0	2	4	5	50	50	100	PC
1902BS404	Marketing Research and Marketing Management	3	0	0	3	3	40	60	100	PC
1901GE401	Introduction to Innovation, IP Management and Entrepreneurship	3	0	0	3	3	40	60	100	ES
1901MA404	Operations Research	3	0	0	3	3	40	60	100	BS
	Laboratory Course									
1902BS451	Database Management Systems Lab	0	0	2	1	2	50	50	100	PC
1901EN301	Business Communication and Value Science – III	0	0	4	2	4	50	50	100	HSS
1904GE451	Life Skill :Verbal Ability	0	0	2	1	2	100	-	100	EEC
	Audit Course									
1901MCX01	Environmental Studies	3	0	0	0	3	100	-	100	MC
	Total	21	0	12	24	33	560	440	1000	

V SEMESTER										
Code No.	Course Name	L	T	P	C	Hours/ Week	Maximum Marks			Category
							CA	ES	Total	
	Theory Course									
1902BS501	Design and Analysis of Algorithms	3	0	0	3	3	40	60	100	PC
1902BS502	Compiler Design	3	0	0	3	3	40	60	100	PC
1902BS503	Design Thinking	3	0	0	3	3	40	60	100	PC
1902BS504	Fundamentals of Management	3	0	0	3	3	40	60	100	PC
1902BS505	Business Strategy	3	0	0	3	3	40	60	100	PC
1903BS0XX	Professional Elective I	3	0	0	3	3	40	60	100	PE
	Laboratory Course									
1902BS551	Compiler Design Lab	0	0	2	1	2	50	50	100	PC
1902BS552	Mini Project : Design Thinking Lab	0	0	4	2	2	100	-	100	PC
1904GE551	Life Skills: Aptitude I	0	0	2	1	2	100	-	100	EEC
	Audit Course									
1901MCX03	Essence of Indian Traditional Knowledge	2	0	0	0	2	100	-	100	MC
	Total	20	0	8	22	26	590	410	1000	

VI SEMESTER										
Code No.	Course Name	L	T	P	C	Hours/ Week	Maximum Marks			Category
							CA	ES	Total	
	Theory Course									
1902BS601	Computer Networks	3	0	0	3	3	40	60	100	PC
1902BS602	Information Security	3	0	2	4	5	50	50	100	PC
1902BS603	Artificial Intelligence	3	0	2	4	5	50	50	100	PC
1902BS604	Financial and Cost Accounting	3	0	0	3	3	50	50	100	PC
	Open Elective I	3	0	0	3	3	40	60	100	OE
1903BS0XX	Professional Elective II	3	0	0	3	3	50	50	100	PE
	Laboratory Course									
1902BS651	Computer Networks Lab	0	0	2	1	2	50	50	100	PC
1901EN401	Business Communication and Value Science – IV	0	0	4	2	4	50	50	100	HSS
1904GE651	Life Skills : Aptitude II	0	0	2	1	2	100	-	100	EEC
	Total	18	0	12	24	30	480	420	900	

VII SEMESTER										
Code No.	Course Name	L	T	P	C	Hours/ Week	Maximum Marks			Category
							CA	ES	Total	
	Theory Course									
1902BS701	Usability Design of Software Applications	2	0	2	3	4	50	50	100	PC
1902BS702	Services Science and Service Operational Management	3	0	0	3	3	40	60	100	PC
1902BS703	IT Project Management	3	0	0	3	3	40	60	100	PC
1902BS703	Human Resource Management	3	0	0	3	3	40	60	100	PC
1903BS0XX	Professional Elective III	3	0	0	3	3	40	60	100	PE
1903BS0XX	Professional Elective IV	3	0	0	3	3	50	50	100	PE
	Laboratory Course									
1904BS751	Technical Mini Project	0	0	2	1	2	50	50	100	EEC
	Total	17	0	8	19	23	310	390	700	

VIII SEMESTER											
Code No.	Course	L	T	P	C	Hours/ Week	Maximum Marks			Category	
							CA	ES	Total		
1903BS0XX	Professional Elective V	3	0	0	3	3	40	60	100	PE	
1904BS851	Project Work	0	0	14	7	14	50	50	100	EEC	
Total		3	0	14	10	17	90	110	200		

LIST OF ELECTIVES

PROFESSIONAL ELECTIVE COURSES											
Code No.	Course Name	L	T	P	C	Hours/ Week	Maximum Marks			Category	
							CA	ES	Total		
PE-1 [5th Semester]											
1903BS001	Cognitive Science and Analytics	3	0	0	3	3	40	60	100	PE	
1903BS002	Introduction to IoT	3	0	0	3	3	40	60	100	PE	
1903BS003	Cryptology	3	0	0	3	3	40	60	100	PE	
1903BS004	Computational Finance and Modelling	3	0	0	3	3	40	60	100	PE	
PE-2 [6th Semester]											
1903BS005	Machine Learning	3	0	0	3	3	40	60	100	PE	
1903BS006	Robotics and Embedded Systems	3	0	0	3	3	40	60	100	PE	
1903BS007	Engineering Economics	3	0	0	3	3	40	60	100	PE	
1903BS008	Industrial Psychology	3	0	0	3	3	40	60	100	PE	
PE-3 [7th Semester]											
1903BS009	Data Mining and Analytics	3	0	0	3	3	40	60	100	PE	
1903BS010	Advance Finance	3	0	0	3	3	40	60	100	PE	
1903BS011	Cloud, Micro services and Application	3	0	0	3	3	40	60	100	PE	
1903BS012	Conversational Systems	3	0	0	3	3	40	60	100	PE	
PE-4 [7th Semester]											
1903BS013	Image Processing and Pattern Recognition	3	0	0	3	3	40	60	100	PE	
1903BS014	Behavioral Economics	3	0	0	3	3	40	60	100	PE	
1903BS015	Social Information Networks	3	0	0	3	3	40	60	100	PE	
1903BS016	Mobile Computing	3	0	0	3	3	40	60	100	PE	
PE-5 [8th Semester]											
1903BS017	Modern Web Applications	3	0	0	3	3	40	60	100	PE	
1903BS018	HR Management for Industry 4.0	3	0	0	3	3	40	60	100	PE	
1903BS019	Enterprise Systems	3	0	0	3	3	40	60	100	PE	
1903BS020	Quantum Computation and Quantum Information	3	0	0	3	3	40	60	100	PE	

CURRICULUM COMPONENTS

B.Tech- Computer Science and Business Systems [R-2019]										
S.No	Category	Credits per semester								Total Credits
		1	2	3	4	5	6	7	8	
1	HSS	02	02	-	02	-	02	-	-	08
2	BS	12	13	-	03	-	-	-	-	28
3	ES	05	04	-	03	-	-	-	-	12
4	PC	-	-	22	15	18	15	12	-	82
5	PE	-	-	-	-	03	03	06	03	15
6	OE	-	-	-	-	-	03	-	-	03
7	EEC	-	-	01	01	01	01	01	07	12
8	MC	-	-	X	X	X	-	-	-	0
TOTAL		19	19	23	24	22	24	19	10	160