



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



Board of Studies Meeting

Attendance

Name of the Department : Information Technology

Meeting No : 01

Date & Time : 08-07-2017 & 9.30 A.M.

Venue : IT A/C Seminar Hall

Sl.No.	Name	Category	Signature
1	Prof. S. MANIKANDAN	Chairman	
2	Dr. V. RHYMEND UTHARIARAJ	University Nominee	
3	Dr. M. ARAMUDHAN	External Expert Members	
4	Dr. E. SIVASANKAR		
5	Mr. MUBARAK	Industry / Corporate Sector	
6	Mr. A. SARAVANAN	Alumnus	
7	Mr. S. P. GOPALAN		
8	Dr. S. KANNAN		
9	Prof. V. M. SURESH	Internal Members	
10	Prof. R. LAVANYA		
11	Prof. K. RAJU		

ATTESTED

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

Chairman - BoS (IT)



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

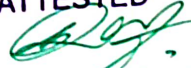



Minutes of Board of Studies(BoS) Meeting

Name of the Department	Information Technology
Name of the Programmes	B.Tech – Information Technology
Meeting No.	01
Date & Time	08.07.2017 & 10.00 A.M.
Venue	IT A/C Seminar Hall

1. Chairman / BoS welcomed all members for the 1st meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
 - To finalize the curriculum and syllabi of First and Second semester B.Tech – Information Technology Programmes
 - To finalize the curriculum of 3rd – 8th Semester B.Tech - Information Technology
 - 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.

ATTESTED


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

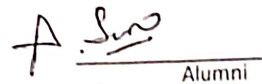

Chairman (BoS)

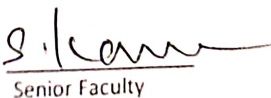

University Nominee

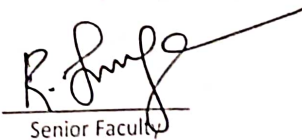

Subject Expert

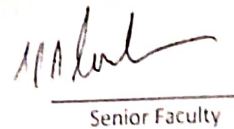

Subject Expert


Industry Expert


Alumni


Senior Faculty



Senior Faculty


Senior Faculty

1. Dr. A. Amuthan suggested that, In Question paper pattern make one question as mandatory.
2. Dr. M. Aramudhan & Dr. E. Sivasankar insisted that objective type questions are not required instead we have to include comprehensive viva.
3. Mr. Mubarak insisted to Include "Basics of computer knowledge "as zero credit course.
4. Dr. V. Rhymend Uthariaraj & Dr. A. Amuthan insisted to combine physics and chemistry courses with contents related to information and communication engineering.
5. Dr. V. Rhymend Uthariaraj suggested that, In "Programming in C" Course include Basic Algorithm development as a separate unit.
6. Dr. E. Sivasankar suggested that, While combining theory and practical courses we have to consider 2:1 mark ratio.
7. Dr. V. Rhymend Uthariaraj suggested to increase the credit points gradually from 1st to 8th semester.
8. Dr. M. Aramudhan advised to allocate tutorial or practical hours for communicative English course.
9. Dr. V. Rhymend Uthariaraj suggested that, Assign 4 hours tutorial for "Engineering mathematics" courses.


Chairman (BoS)

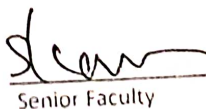

University Nominee

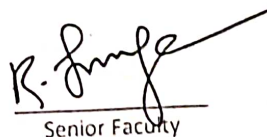
ATTESTED

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

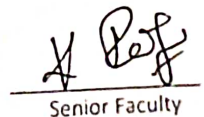

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

10. Dr.V.Rhymend Uthariaraj & Dr.A.Amuthan pointed that there is No need for Basic Civil and Mechanical Engineering course in 2nd semester instead, include some IT related courses.

11. Dr.M.Aramudhan insisted that, In "C++" course 4 to 5 reference books are enough, also need updated books like "Object Oriented Programming in C++" by Robert Lafore.

12. Dr.V.Rhymend Uthariaraj & Dr.M.Aramudhan suggested to include generalized lab exercises only.

13. Dr.A.Amuthan insisted to include languages like German, Japanese instead of Hindi.

14. Dr.M.Aramudhan suggested to assign zero Credit for Technical Seminar courses instead of one credit course.

15. Dr.V.Rhymend Uthariaraj insisted to include "Building Smart City " as one credit Course.

16. Dr.V.Rhymend Uthariaraj & Dr.M.Aramudhan insisted that ,Instead of "Digital Signal Processing" include "Theory of Computation " as core course.

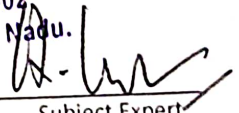
17. Dr.E.Sivasankar & Dr.V.Rhymend Uthariaraj suggested to include Algorithm Analysis in data Structures Lab.

18. Dr.M.Aramudhan insisted to Combine Digital theory and lab Courses.

ATTESTED

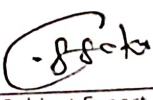

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

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

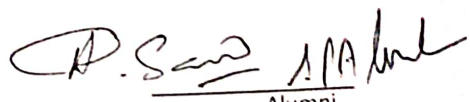

Subject Expert

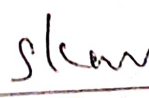

Chairman (BoS)


University Nominee

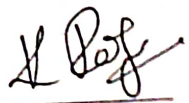

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

Dr. M. Aramudhan suggested to combine Microprocessor & Micro Controller Theory and lab courses, include Network lab as new course in that semester itself.

20. Dr.V.Rhymend Uthariaraj, Dr.M.Aramudhan & Dr .M. Aramudhan suggested to swap the courses "Software Engineering" and "Object Oriented Analysis and Design " in 4th and 5th semesters.

21. Instead of 5th semester, keep "Java Programming "in 2nd semester.

22. No need of "Grid Computing" and keep "Cloud computing "itself as core course.

23. All programming papers have to be studied before 7th semester.

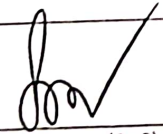
24. "Software Project Management "and"Security" courses are mandatory for curriculum.

25. Dr.V.Rhymend Uthariaraj suggested to include "Software Testing "and "Deep learning "courses as a Electives.


26. Include lab for "Internet of Things" and make as a core course.

27. Dr.E.Sivasankar suggested to add "R programming" as separate one credit course.

28. Dr.V.Rhymend Uthariaraj Appreciated the concept of merging lab sessions with theory.

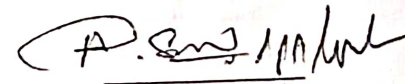

Chairman (BoS)

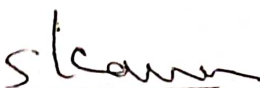

University Nominee

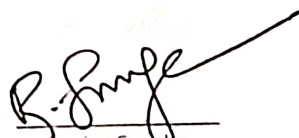
ATTESTED

DR. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 617 002.
Nagapattinam (Dt) Tamil Nadu
Subject Expert

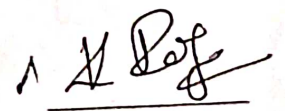

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

Department Academic Advisory Committee

Agenda of the meeting:

- ❖ Formulating/Re-Drafting Vision, Mission, PEOs and PSOs of the Programme
- ❖ Conduct beyond syllabus
- ❖ Value added and industry certificate
- ❖ Research and development

Minutes of the meeting:

- ✓ Mr. S. Manikandan, HOD/IT explained the framing and activities of PEOs, PSOs and POs process and list some PEOs and PSOs to the members. As well as previous NBA experts discussion regarding vision, mission process
- ✓ Dr. Rhymend Uthariaraj was explained framing PSOs taken into account IT and ITeS services in various fields like data science, artificial intelligence, ect
- ✓ Dr. A. Aramudhan was happy the gap analysis done and he ensured participation from student in various courses
- ✓ He suggested PEOs and PSOs statements have recent trends, society needs, R&D and Employability and He told already three PEOs are available and suggest that add another PEO for concentrating Professional Societies and Higher studies.
- ✓ S.Manikandan shared by important of changes and improved in the new NBA format.
- ✓ The expert members suggested that invite external expert members in end of each academic year to academic audit to meet CO to PO and PSO attainment process also get suggestion for improvement.

After the discussion and deliberation following are the finalized Vision, Mission, PEOs and PSOs of the B.Tech – Information Technology

Vision of the Department

To produce globally competent information technologist and to inculcate values of leadership and research qualities in them

Mission of the Department


- To provide high quality Education to the students by our competent faculty members, effective teaching learning process and value added courses
- To create centres of excellence by interacting with industries for better employability and to contribute to the society through consultancy and R&D works.
- To improve the soft skill, interpersonal skill, ethical behavior and communication skill of students by involving them in team works and technical events

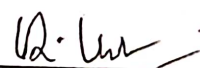
ATTESTED



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


E.G.S. Pillay Engineering College,

Thethi N. O-6
Nagapattinam, S. India.
University Nominee

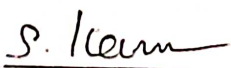

Chairman (BoS) / IT

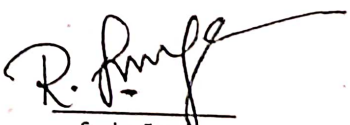

Subject Expert

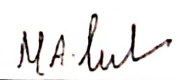

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. PEO1: Information Technology Graduates will have knowledge and competency for successful careers in and related to Information Technology
2. PEO2: Information Technology Graduates will contribute to the planning, design, implement and maintain computing systems to solve real life problems in the society with an understanding of the trade-offs and constraints involved while maintaining high professional ethical standards
3. PEO3: Information Technology Graduates are motivated to proceed to higher studies in Engineering or other Professional fields and promote awareness of the life-long learning
4. PEO4: Information Technology Graduates will work effectively as individuals and as team members in multidisciplinary projects

PROGRAM SPECIFIC OUTCOMES (PSOs)

At the end of B.Tech Information Technology Programmes Graduate will be able to

PSO 1: Apply core aspects of Information Technology and programming paradigms in order to facilitate processing, storage, retrieval, transmission and exchange of information

PSO 2: Provide solution to real world problems using Structured, Object Oriented Programming Languages and Open Source Software

PSO 3: Solve Complex IT Problems as a Software Engineer, Software Analyst and Tester in IT and ITeS Consistency between PEOs and Mission

Mission	M1: To provide high quality Education to the students by our competent faculty members, effective teaching learning process and value added courses	M2: To create centres of excellence by interacting with industries for better employability and to contribute to the society	M3: To improve the soft skill, interpersonal skill, ethical behavior and communication skill of students by involving them in team
PEO Statements			
PEO1: Graduates will have knowledge and competency for successful careers in and related to Information Technology	3	2	1

ATTESTED

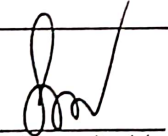


**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

E.G.S. Pillay Engineering College,

Thethi, Nageri - 644 002

Nagapattinam (Dt) Tamil Nadu.



Chairman (BoS) / IT



University Nominee




Subject Expert



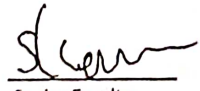
Subject Expert



Industry Expert



Alumni



Senior Faculty



Senior Faculty




Senior Faculty

PEO2: Graduates will contribute to the design and implementation of software systems to solve real life problems in the society with an understanding of profession ethical standards	3	3	2
PEO3: Graduates are motivated to proceed to higher studies in Engineering or other Professional fields and promote awareness of the life-long learning	2	2	1
PEO4: Graduates will work and communicate effectively as individuals and as team members in multidisciplinary projects, research and development activities	2	3	3

Justification

- ✓ PEO1 (knowledge and competency) vs M1 (competent faculty members, effective teaching learning process) – Substantial –
- ✓ PEO1 (knowledge and competency) vs M2 (centres of excellence by interacting with industries for better employability) – Moderate
- ✓ PEO1 (knowledge and competency) vs M3 (soft skill, interpersonal skill, ethical behavior and communication skill and events) – Slight
- ✓ PEO2 (higher studies in Engineering or other Professional fields) vs M1 (competent faculty members, effective teaching learning process) – Moderate
- ✓ PEO2 (higher studies in Engineering or other Professional fields) vs M2 (centres of excellence by interacting with industries for better employability) – Moderate
- ✓ PEO2 (higher studies in Engineering or other Professional fields) vs M3 (soft skill, interpersonal skill, ethical behavior and communication skill and events) – Slight
- ✓ PEO3 (communicate effectively as individuals and as team members in multidisciplinary projects) vs M1 (competent faculty members, effective teaching learning process) – Moderate
- ✓ PEO3 (communicate effectively as individuals and as team members in multidisciplinary projects) vs M2 (centres of excellence by interacting with industries for better employability) – Substantial
- ✓ PEO3 (communicate effectively as individuals and as team members in multidisciplinary projects) vs M3 (soft skill, interpersonal skill, ethical behavior and communication skill and events) – Slight

ATTESTED


Chairman (BoS) / IT


University Nominee

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

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

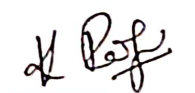

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty



Senior Faculty


projects) vs M3 (soft skill, interpersonal skill, ethical behavior and communication skill and events) – **Substantial**

Finally Dr. P. Sivakumar, Prof/IT concluded the meeting with following action to be taken

- ❖ The Vision, Mission, PEOs and PSOs are redrafted based on expert members input of the B.Tech – Information Technology will inform to Principal and Governing Council Members. Plan to display and Disseminate to all stake holders
- ❖ Plan to conduct training course on higher studies and competitive exam

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 626 001
Nagapattinam, (Dt) Tanjore - 612 001.


Chairman (BoS) / IT


University Nominee


Subject Expert

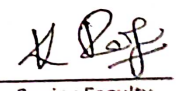

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

Invitation - hodit@egspec.org - E.G.S. Pillay Engineering College Mail

sivasankar@nitt.edu

Move to Inbox

All

COMPOSE

Inbox

Starred

Sent Mail

Drafts

More



Search people...

all

anand babu

Chinnadurai M

hemavathi ramas...

iciot

kannan s

MAHALAKSHMI....

manikanda kumar...

Raju k

Ramabalan Sund...

Invitation



HOD IT <hodit@egspec.org>

to sivasankar, bosit

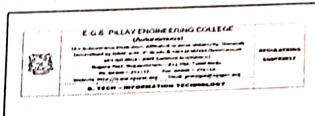
Dear Sir

Greetings from E.G.S Pillay Engineering College, Nagapattinam

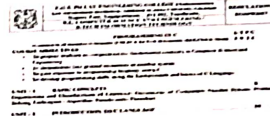
I am very happy to inform that it is a very good opportunity for us as you are getting into Studios. As per the telephonic conversation we planned to contact BoS meeting on framing curriculum and syllabus. Herewith I enclosed proposed curriculum and syllabus give your valuable feedback.

Thanking You

2 Attachments



IT_2017_Regulati..



Syllabus Prg in C.



Click here to Reply, Reply to all, or Forward

ATTESTED

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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

Department of Information Technology

Action Taken for BOS Meeting Minutes held on 08.07.2017

Name of the Department	Information Technology
Name of the programmes	B.Tech. Information Technology
Meeting No	01
Date Time	08.07.2017 & 9.30 A.M
Venue	ITA/C Seminar Hall

The Following resolutions were passed

- The curriculum and syllabi from first and second semester of B.Tech -Information Technology Programmes recommended by the members of BOS
- The curriculum of 3rd-8th Semester B.Tech -Information Technology Programmes recommended by the members of BOS .

List of Syllabus revised from Anna University R2013

S.NO	Course Code	Name of the Course	Change Details	Revised
1	1701MA101	Engineering Mathematics-I	Revision	1 Module Change
2	1701PH101	Applied Physics for Engineers	Revision	1 Module Change
3	1701EN101	Technical English	Revision	3 Module change
4	1701CH101	Applied Chemistry in Informatics	Revision	1 Module Change
5	1701GEX03	Programming in C	Revision	2.5 Module Change
6	1701HS151	Physics and Chemistry Lab -I	Revision	1 Module Change
7	1701MA201	Engineering Mathematics - II	Revision	1 Module Change
8	1701PH201	Physics of Engineering Materials	Revision	1 Module Change

List of New Courses

Course Code	Name of the Course	Change Details
1701GEX01	Basic Electrical and Electronics Engineering	New Course
1701GEX51	Programming in C Lab	New Course
1701GEX52	Communication Skills Lab	New Course
1701GE201	Basic Civil and Mechanical Engineering	New Course
1702CS201	Programming in C++	New Course
1701LE201 / 1701LE202	Communicative English / Hindi	New Course

ATTESTED


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

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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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


1701GEX53	Workshop Practice	New Course
1702CS251	Programming in C++ Lab	New Course

List of CBCS/Electives for /offered by B.Tech-Information Technology

LIST OF ELECTIVES

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
ELECTIVE – I									
1703IT001	Advanced Database Technology	3	0	0	3	40	60	100	PE
1703IT002	Network Programming and Management	3	0	0	3	40	60	100	PE
1703IT003	Artificial Intelligence	3	0	0	3	40	60	100	PE
1703IT004	Theory of Computation	3	0	0	3	40	60	100	PE
1703IT005	Software Testing Methods and Tools	3	0	0	3	40	60	100	PE
ELECTIVE – II									
1703IT006	Multi core Programming	3	0	0	3	40	60	100	PE
1703IT007	Information Theory and Coding	3	0	0	3	40	60	100	PE
1703IT008	Compiler Design	3	0	0	3	40	60	100	PE
1703IT009	Embedded Systems	3	0	0	3	40	60	100	PE
1703IT010	Mainframe Computing	3	0	0	3	40	60	100	PE
ELECTIVE – III									
1703MG002	Principles of Management	3	0	0	3	40	60	100	PE
1703IT011	Social Network Analysis	3	0	0	3	40	60	100	PE
1703IT012	Open Source Programming	3	0	0	3	40	60	100	PE
1703IT013	Software Architecture	3	0	0	3	40	60	100	PE
1703IT014	Computer Vision	3	0	0	3	40	60	100	PE
ELECTIVE - IV									
1703IT015	Information Management	3	0	0	3	40	60	100	PE
1703MG001	Total Quality Management	3	0	0	3	40	60	100	PE
1703IT016	Data Centre And Virtualization	3	0	0	3	40	60	100	PE
1703IT017	Software Configuration Management	3	0	0	3	40	60	100	PE
1703IT018	Enterprise Resource Planning	3	0	0	3	40	60	100	PE
ELECTIVE – V									
1703IT019	Cyber Forensics	3	0	0	3	40	60	100	PE
1703IT020	Robot Programming	3	0	0	3	40	60	100	PE

ATTESTED


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



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


NAGAPATTINAM – 611 002, TAMILNADU, INDIA


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

1703CS020	Soft Computing	3	0	0	3	40	60	100	PE
1703IT021	Natural Language Processing	3	0	0	3	40	60	100	PE
1703IT022	Service Oriented Architecture	3	0	0	3	40	60	100	PE
ELECTIVE – VI									
1703IT023	Human Computer Interaction	3	0	0	3	40	60	100	PE
1703MG003	Human Rights	3	0	0	3	40	60	100	PE
1703IT024	Graph Theory	3	0	0	3	40	60	100	PE
1703IT025	Software Quality Assurance	3	0	0	3	40	60	100	PE
1703IT026	Game Programming	3	0	0	3	40	60	100	PE
ELECTIVE - VII									
1703MG004	Intellectual Property Rights	3	0	0	3	40	60	100	PE
1703IT027	Deep Learning	3	0	0	3	40	60	100	PE
1703IT028	Business Intelligence	3	0	0	3	40	60	100	PE
1703IT029	Visualization Techniques	3	0	0	3	40	60	100	PE
1703IT030	Bio Informatics	3	0	0	3	40	60	100	PE

ONE CREDIT COURSES

1704IT001	Python Programming	-	-	-	1	40	60	100	EEC
1704IT002	Perl Programming	-	-	-	1	40	60	100	EEC
1704IT003	Angular JS	-	-	-	1	40	60	100	EEC
1704IT004	Sales force Trail Head	-	-	-	1	40	60	100	EEC
1704IT005	VMware Data Centre and Virtualization	-	-	-	1	40	60	100	EEC
1704IT006	R-Programming	-	-	-	1	40	60	100	EEC
1704IT007	EMC Cloud Infrastructure and Services	-	-	-	1	40	60	100	EEC
1704IT008	Amazon Web Services Cloud Computing Architect	-	-	-	1	40	60	100	EEC
1704IT009	Agriculture for Engineers	-	-	-	1	40	60	100	EEC
1704IT010	Mongo and Maria Db	-	-	-	1	40	60	100	EEC
1704IT011	Building Smart Cities	-	-	-	1	40	60	100	EEC
1704IT012	Industrial Safety for Engineers	-	-	-	1	40	60	100	EEC
1704IT013	Introduction to Fisheries Engineering	-	-	-	1	40	60	100	EEC
1704IT014	Political Science	-	-	-	1	40	60	100	EEC
1704IT015	Visual Communication	-	-	-	1	40	60	100	EEC

ATTESTED

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


HEAD OF THE DEPARTMENT
INFORMATION TECHNOLOGY
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



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	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

ATTESTED

Dr. S. RAMA
PRIN

E.G.S. Pillay Engg
College
Nagore

Nagapattinam (Tamil Nadu)



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 as case study
- In Business Intelligence, change unit 3 title as “ Business Intelligence concepts and applications” and change model topic from unit 5 to unit 4

ATTESTED

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



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

- In 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

ATTESTED
[Signature]
Dr. S. RAMANATHAN
PRINCIPAL
E.G.S. Pillay Engineering College
Therai, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu



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

4. The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of Third to Eighth semester of B.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

21/4/18

Chairman (BoS)

21/4/18

University Nominee

21/4/18

Subject Expert

21/4/18

Industry Expert

21/4/18

Alumni

21/4/18

Senior Faculty

21/4/18

Senior Faculty

21/4/18



Senior Faculty

21/4/18

Senior Faculty

ATTESTED

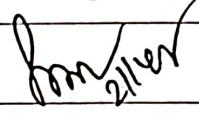
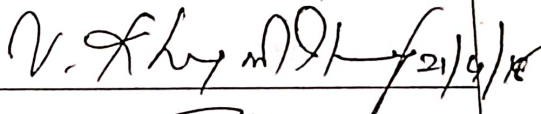
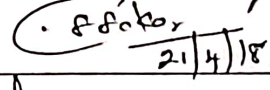
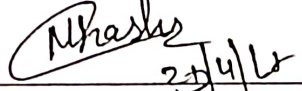



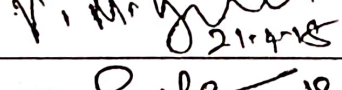


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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


Board of Studies Meeting


Attendance

Name of the Department : Information Technology
 Meeting No : 02
 Date & Time : 21-04-2018 & 10.00 A.M.
 Venue : IT A/C Seminar Hall

Sl.No.	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		

ATTESTED


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


 Chairman – BoS (IT)

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>

to myogeeskumar

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

ATTESTED

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

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 myogeeskumar

ATTESTED

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

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, Yogees, saravanan4sap, Academic, Chinnadurai, Ramabalar

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>, Yogees 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- egspec.org
by:

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

ATTESTED

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

TODAY

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
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?](https://us04web.zoom.us/j/71538561160?pwd=V01kQ0tPMs91bE16R2phamM2Qy9lZz09)

[pwd=V01kQ0tPMs91bE16R2phamM2Qy9lZz09](https://us04web.zoom.us/j/71538561160?pwd=V01kQ0tPMs91bE16R2phamM2Qy9lZz09)

Meeting ID: 715 3856 1160

Password: 123456

11:11 AM ✓



Pasupathi Sir
online

TODAY

Messages you send to this chat and calls are secured with end-to-end encryption. Click for more info.

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
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?](https://us04web.zoom.us/j/71538561160?pwd=V01kQ0tPMs91bE16R2phamM2Qy9lZz09)

[pwd=V01kQ0tPMs91bE16R2phamM2Qy9lZz09](https://us04web.zoom.us/j/71538561160?pwd=V01kQ0tPMs91bE16R2phamM2Qy9lZz09)

Meeting ID: 715 3856 1160

Password: 123456

11:11 AM ✓

Activate Windows

ATTESTED

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

Cancel Info Edit

When Sat 13 June 2020, 9:45 AM

Topic BoS Meeting EGSPEC IT

Meeting ID 715 3856 1160

Duration 45 minutes

Password 123456

Start Meeting

Add to Calendar

Add Invitees

Delete Meeting

Meetings Refresh

Personal Meeting ID
932 203 9640

Start Send Invitation Edit

13 June 2020

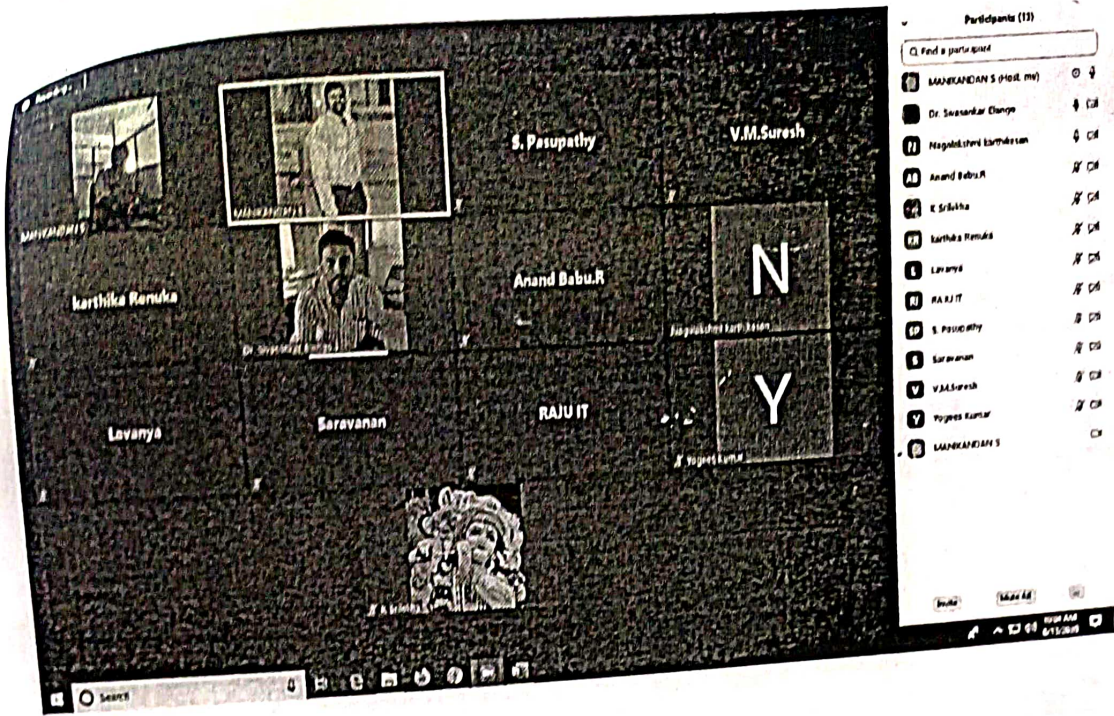
09:45 AM BoS Meeting EGSPEC IT Meeting ID: 715 3856 1160 Start

Meet & Chat Meetings Contacts Settings

ATTESTED

[Signature]

Dr. S. R. MAHADEVAN, M. Ed. Ph.D.,
Principal
E.G.S. Pillay Engineering College,
Theruvu, Nagapattinam - 611 002.
Nagapattinam (Tamil Nadu).



Zoom Meeting
 Meeting ID: 919 811 1234

Meeting ID: 919 811 1234

Meeting Topic: BGS Meeting EGSP/ECIT
 Host: MAHAKANDAN S
 Password: 123456
 Invite Link: <https://us02zoom.us/j/9198111234?pwd=V01kZkZP...>



Join Audio
 Computer Audio (Default)



Share Screen



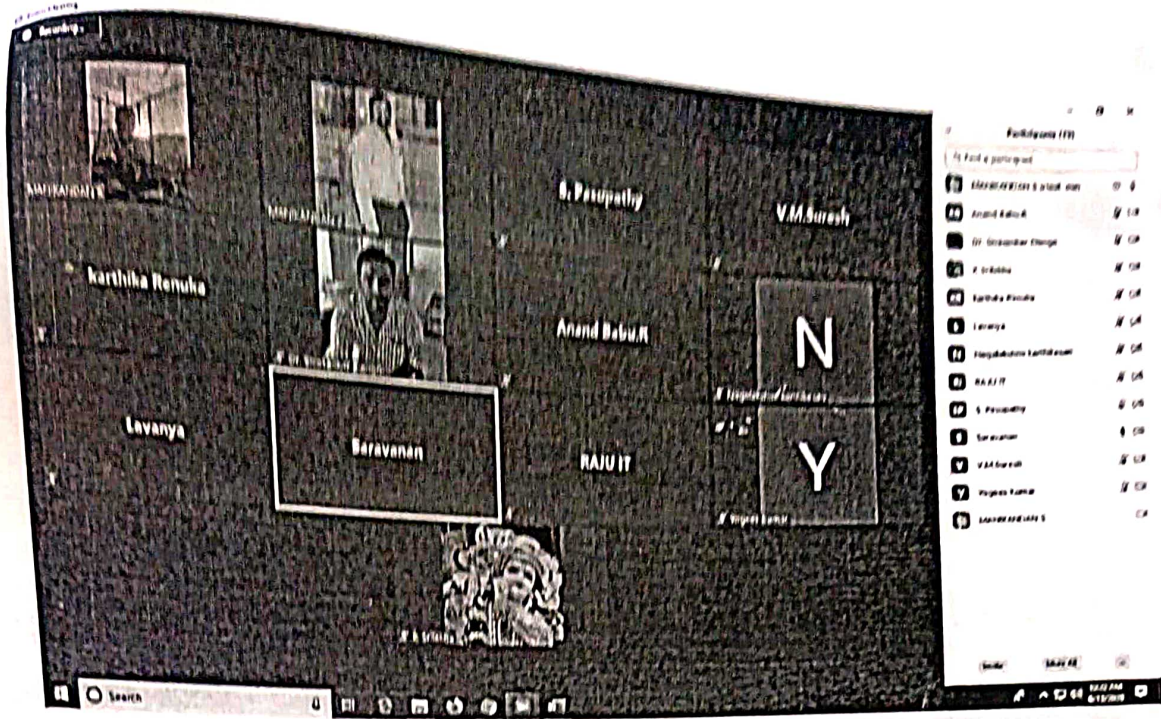
Profile Name

- Participants (13)
- MAHAKANDAN S (Host, M)
 - Dr. Sivasankar Elango
 - Nagapattinam Karthikeyan
 - Anand Babu.R
 - K. Srihitha
 - Karthika Ramdas
 - Lavanya
 - RAJU IT
 - S. Pasupathy
 - Saravanan
 - V.M.Suresh
 - Pooja Kumar
 - MAHAKANDAN S



[Handwritten signature]


ATTESTED
[Handwritten signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 092.
Nagapattinam (Dt) Tamil Nadu.



BoS: Proof

<https://drive.google.com/open?id=1FWDvuKrMTT-tkDTu1ehfOvGihgp2VApt>

ATTESTED


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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

Department of Information Technology

Action Taken for BOS Meeting Minutes held on 21.04.2018

Name of the Department	Information Technology
Name of the programmes	B.Tech. Information Technology
Meeting No	02
Date Time	21.04.2018 & 9.30 A.M
Venue	ITA/C Seminar Hall

The Following resolutions were passed

- To finalize the syllabi of B.Tech -Information Technology Programmes from Third to Eighth Semester recommended by the members of BOS

List of Syllabus revised from Anna University R2013

Course Code	Name of the Course	Change Details	Revised
1701MA301	Engineering Mathematics III	Revision	1 Module Change
1702IT301	Data Structures and Algorithms	Revision	3 Module Change
1702CSX02	Database Management Systems	Revision	1 Module change
1702CSX52	Database Management Systems Lab	Revision	3 Module Change
1701MA401	Probability and Queuing Theory	Revision	Some Content Change
1702IT404	Operating Systems	Revision	1 Module Change
1702IT405	Computer Networks	Revision	2 Module Change
1702IT503	Computer Graphics and Multimedia	Revision	2 Module Change
1702IT504	Web Programming	Revision	3 Module Change
1704IT551	Case Tools (Mini Project I)	Revision	Some Content Change
1703IT001	Advanced Database Technology	Revision	1 Module Change
1703IT003	Artificial Intelligence	Revision	Some Content Change
1703IT007	Information Theory and Coding	Revision	Some Content Change
1702IT601	C# and .net	Revision	Some Content Change
1702IT602	Mobile Computing	Revision	Some Content Change
1702IT603	Data Warehousing and Data Mining	Revision	4 Module change
1701MGX01	Professional Ethics	Revision	Some Content Change
1703MG001	Total Quality Management	Revision	Some Content Change
1703IT024	Graph Theory	Revision	Some Content Change

List of New Courses Introduced

Course Code	Name of the Course	Change Details
-------------	--------------------	----------------

ATTESTED


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

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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

1702IT301	Data Structures and Algorithms	New Course
1702IT302	Digital Principles and Design	New Course
1702IT303	Principles of Communication	New Course
1702IT401	Software Engineering and Project Management	New Course
1702IT402	Java Programming	New Course
1702IT403	Internet of Things	New Course
1702IT451	Networks Lab	New Course
1704GE451	Life Skills: Verbal Ability	New Course
1702IT502	Distributed Computing	New Course
1704GE551	Life Skills: Aptitude I	New Course
1704IT552	Technical Seminar	New Course
1703IT004	Theory of Computation	New Course
1703IT005	Software Testing Methods and Tools	New Course
1703IT006	Multicore Programming	New Course
1703IT009	Embedded Systems	New Course
1703IT010	Mainframe Computing	New Course
1704IT651	Mobile Application Development (Mini Project II)	New Course
1704GE651	Life Skills: Aptitude II	New Course
1704IT652	Industrial Visit Presentation	New Course
1703MG002	Principles of Management	New Course
1703IT011	Social Network Analysis	
1703IT012	Open Source Programming	New Course
1703IT014	Computer Vision	New Course
1702IT701	Data Analytics	New Course
1702IT702	Security in Computing	New Course
1702IT703	Cloud Infrastructure and Computing	New Course
1703IT015	Information Management	New Course
1704IT751	Software Development (Mini project III)	New Course
1704GE751	Life Skills: Competitive Exam Preparation	New Course
1704IT752	In Plant / Internship Training Presentation	New Course
1703MG003	Human Rights	New Course
1703IT016	Data Centre and Virtualization	New Course
1703IT017	Software Configuration Management	New Course
1703IT018	Enterprise Resource Planning	New Course
1703IT020	Robot Programming	New Course
1703IT021	Natural Language Processing	New Course
1703IT022	Service Oriented Architecture	New Course
1703IT026	Game Programming	New Course
1703MG004	Intellectual Property Rights	New Course
1703IT027	Deep Learning	New Course
1703IT029	Visualization Techniques	New Course

ATTESTED

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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

List of CBCS/Electives for /offered by B.Tech-Information Technology

LIST OF ELECTIVES

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
ELECTIVE – I									
1703IT001	Advanced Database Technology	3	0	0	3	40	60	100	PE
1703IT002	Network Programming and Management	3	0	0	3	40	60	100	PE
1703IT003	Artificial Intelligence	3	0	0	3	40	60	100	PE
1703IT004	Theory of Computation	3	0	0	3	40	60	100	PE
1703IT005	Software Testing Methods and Tools	3	0	0	3	40	60	100	PE
ELECTIVE – II									
1703IT006	Multi core Programming	3	0	0	3	40	60	100	PE
1703IT007	Information Theory and Coding	3	0	0	3	40	60	100	PE
1703IT008	Compiler Design	3	0	0	3	40	60	100	PE
1703IT009	Embedded Systems	3	0	0	3	40	60	100	PE
1703IT010	Mainframe Computing	3	0	0	3	40	60	100	PE
ELECTIVE – III									
1703MG002	Principles of Management	3	0	0	3	40	60	100	PE
1703IT011	Social Network Analysis	3	0	0	3	40	60	100	PE
1703IT012	Open Source Programming	3	0	0	3	40	60	100	PE
1703IT013	Software Architecture	3	0	0	3	40	60	100	PE
1703IT014	Computer Vision	3	0	0	3	40	60	100	PE
ELECTIVE – IV									
1703IT015	Information Management	3	0	0	3	40	60	100	PE
1703MG001	Total Quality Management	3	0	0	3	40	60	100	PE
1703IT016	Data Centre And Virtualization	3	0	0	3	40	60	100	PE
1703IT017	Software Configuration Management	3	0	0	3	40	60	100	PE
1703IT018	Enterprise Resource Planning	3	0	0	3	40	60	100	PE
ELECTIVE – V									
1703IT019	Cyber Forensics	3	0	0	3	40	60	100	PE
1703IT020	Robot Programming	3	0	0	3	40	60	100	PE

ATTESTED


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

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

NAGAPATTINAM - 611 002. TAMILNADU, INDIA

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

1703CS020	Soft Computing	3	0	0	3	40	60	100	PE
1703IT021	Natural Language Processing	3	0	0	3	40	60	100	PE
1703IT022	Service Oriented Architecture	3	0	0	3	40	60	100	PE
ELECTIVE - VI									
1703IT023	Human Computer Interaction	3	0	0	3	40	60	100	PE
1703MG003	Human Rights	3	0	0	3	40	60	100	PE
1703IT024	Graph Theory	3	0	0	3	40	60	100	PE
1703IT025	Software Quality Assurance	3	0	0	3	40	60	100	PE
1703IT026	Game Programming	3	0	0	3	40	60	100	PE
ELECTIVE - VII									
1703MG004	Intellectual Property Rights	3	0	0	3	40	60	100	PE
1703IT027	Deep Learning	3	0	0	3	40	60	100	PE
1703IT028	Business Intelligence	3	0	0	3	40	60	100	PE
1703IT029	Visualization Techniques	3	0	0	3	40	60	100	PE
1703IT030	Bio Informatics	3	0	0	3	40	60	100	PE

ONE CREDIT COURSES

1704IT001	Python Programming	-	-	-	1	40	60	100	EEC
1704IT002	Perl Programming	-	-	-	1	40	60	100	EEC
1704IT003	Angular JS	-	-	-	1	40	60	100	EEC
1704IT004	Sales force Trail Head	-	-	-	1	40	60	100	EEC
1704IT005	VMware Data Centre and Virtualization	-	-	-	1	40	60	100	EEC
1704IT006	R-Programming	-	-	-	1	40	60	100	EEC
1704IT007	EMC Cloud Infrastructure and Services	-	-	-	1	40	60	100	EEC
1704IT008	Amazon Web Services Cloud Computing Architect	-	-	-	1	40	60	100	EEC
1704IT009	Agriculture for Engineers	-	-	-	1	40	60	100	EEC
1704IT010	Mongo and Maria Db	-	-	-	1	40	60	100	EEC
1704IT011	Building Smart Cities	-	-	-	1	40	60	100	EEC
1704IT012	Industrial Safety for Engineers	-	-	-	1	40	60	100	EEC
1704IT013	Introduction to Fisheries Engineering	-	-	-	1	40	60	100	EEC
1704IT014	Political Science	-	-	-	1	40	60	100	EEC
1704IT015	Visual Communication	-	-	-	1	40	60	100	EEC

ATTESTED


Dr. S. RAMABALAN, M.E. - 1
PRINCIPAL

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


HEAD OF THE DEPARTMENT
INFORMATION TECHNOLOGY
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



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



Board of Studies Meeting

Attendance

Name of the Department : Information Technology

Meeting No : 03

Date & Time : 18-05-2019 & 10.30 A.M.

Venue : IT A/C Seminar Hall

Sl.No.	Name	Category	Signature
1	Prof. S. MANIKANDAN	Chairman	<i>[Signature]</i> 18/5/19
2	Dr. V. RHYMEND UTHARIARAJ	University Nominee	<i>[Signature]</i> 18/5/19
3	Dr. M. ARAMUDHAN	External Expert Members	<i>[Signature]</i>
4	Mr. SARATH CHANDAR	Industry / Corporate Sector	<i>[Signature]</i> 18/5/19
5	Mr. A. SARAVANAN	Alumnus	<i>[Signature]</i> 18/5/19
6	Dr. P. VIJAYALAKSHMI	Internal Members	<i>[Signature]</i> 18/5/19
7	Prof. K. MANIKANDA KUMARAN		<i>[Signature]</i> 18/5/19
8	Prof. R. LAVANYA		<i>[Signature]</i> 18/5/2019
9	Prof. K. RAJU		<i>[Signature]</i>

ATTESTED

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

[Signature] 18/5/2019
Chairman – BoS (IT)



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


Minutes of Board of Studies (BoS) Meeting

Name of the Department	Information Technology
Name of the Programmes	B.Tech – Information Technology
Meeting No.	03
Date & Time	18.05.2019 & 10.30AM
Venue	IT A/C Seminar Hall

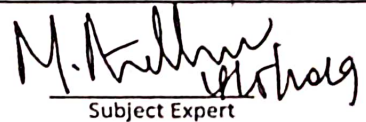
1. Chairman / BoS welcomed all members for the 3rd meeting of Board of Studies.
2. Chairman / BoS introduced the members.
3. Chairman / BoS briefed the members about the Agenda.
 - Minutes of last meeting reviewed
 - To discuss last III and IV Semester activities
 - To finalize First and Second Semester curriculum and syllabi for B.Tech – Information Technology Programmes
 - To finalize Third to Eighth Semester curriculum for B.Tech – Information Technology Programmes
 - Any other matters.
4. The following are the suggestions given by the member of Board of Studies.

ATTESTED


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


18/5/19
Chairman (BoS) / IT

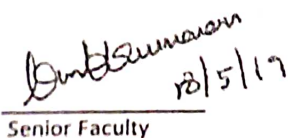

18/5/19
University Nominee


18/5/19
Subject Expert

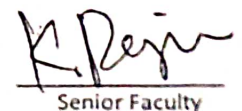

18/5/19
Industry Expert


18/5/19
Alumni


18/5/19
Senior Faculty


18/5/19
Senior Faculty


18/5/2019
Senior Faculty


Senior Faculty

- BoS members appreciated for last one year activities such as oracle certification, one credit course and onsite seminar. Suggested give training and credit course for open source tools for web development, mobile apps, social media, etc
- Appreciated for adopting AICTE model curriculum and included all the mandate courses
- Recommended to change life skills course names to specific title like technical communication instead of normal names like **communication, verbal ability and aptitude**
- For humanities and science elective, change the course title business model generation, creating new startup and establishing new business into some other names
- Programming Problem solving course fix as lab combined course and change recursion, searching and sorting techniques to Data Structure and Algorithms and give introduction to recursion, file handling techniques in this paper
- Appreciated for **computer hardware, troubleshooting and IT Essential** lab course and remove network, web apps and mobile apps development title because of huge contents.
- For 3rd Semester add new course as Problem Solving using Python and change Java programming course into 4th Semester
- Combine Probability, Queuing Theory and Statistics as one course and introduce in 3rd Semester itself with IT related problems
- Courses and credits also equally distributed and fix the credit range between 150-155.
- Appreciated for all the courses are included lab and tutorial components
- Recommended that Mooc courses like NPTEL, Course Era, Edx and other industry support online course as one credit based on students performance and consider for credit transfer
- Appreciated for IoT lab, AICTE Smart India Hackathon projects, Chatra Viswkarama Awards, ISTE projects and Copyrights and.Suggested that try UGC, AICTE for R&D funding for setting labs and projects

ATTESTED



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

- Allocate science and humanities department faculty as Co-Guide for project course for gaining more knowledge in Mathematics, Physics and Chemistry courses
- While setting syllabus for 3 units/modules for basic, fundamentals and needs, remaining units will focus on concepts, case studies, experiments and models
- While handling lab, give different problems for all students and instruct them able to solve for improving practical
- 65% to 75% weightage will give to practical and tutorial parts
- Review meeting should be conducted at the end of every semester to get the students & faculty feedback and make changes according to it
- 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

Department Academic Advisory

- Discussed last year academic audit process and evaluation procedure
- Attainment calculation of PO, PSO verified and suggested that give more training and activities to above apply level COs
- Arrange Open source training and online learning for improving self-learning practices
- Discussed display and dissemination process of Vision, Mission, PEO, PO and PSO to stake holders in addition that feedback mechanism also discussed
- Expert members are suggested that conduct alumni meet and get a feedback for interacting with industry for recent trends and updation
- Continuous improvement and monitoring is important for calculating attainment and suggested end of each course file-the faculty course attainment report played vital role next course input so kindly ensure that process will be done
- Sample attainment calculation, CO to PO and PSO attainment, Event feedback, Action Taken report are shown and suggestion are given for next improvement

ATTESTED

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

- 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


1. The following resolutions were passed

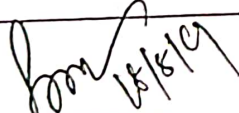
- It is resolved to recommend the curriculum and syllabi of First and Second semester and Curriculum for 3rd to 8th Semester of B.Tech – Information Technology Programme to the Academic Council for approval.

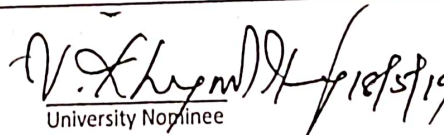
The Chairman, Board of Studies thanked all the members for their valuable suggestions and coordination.

Date: 18/05/2019

Place: Nagapattinam

ATTESTED

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


 Chairman (BoS) / IT

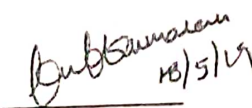

 University Nominee

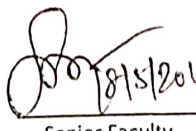

 Subject Expert


 Industry Expert


 Alumni


 Senior Faculty


 Senior Faculty


 Senior Faculty


 Senior Faculty



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

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE & Mech) / Accredited by NAAC with 'A' Grade

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

An ISO 9001 : 2015 Certified Institution

Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

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

Ref. No. : EGSPEC/BoS/2018-2019/25

Date : 14/05/2019

To

Dr.M.Aramudhan,

Professor and Head of IT,

Perunthalaivar Kamarajar Institute of Engineering and Technology,

Karaikal.

Sir,

Sub: Convening the Board of Studies Meeting - Invitation - Reg.

We are honoured to have your good self as an External Expert in the Board of Studies for the Department of Information Technology of our Institution for the academic year 2018-19.

Considering the academic schedule of the esteemed members, it is planned to convene the Meeting of the Board of Studies on Saturday, the 18th of May 2019 at 10.00 a.m. in our College to consider and approve the Curriculum & Syllabus prepared for the Regulations R2019 based on the AICTE model curriculum for UG Degree Courses in Engineering & Technology (Jan 2018).

We invite you to attend the meeting and share your valuable experience for the successful implementation of the Regulations R2019 in our Autonomous system for the benefit of all stake holders.

Thanking you,

Yours faithfully,

PRINCIPAL

ATTESTED

Dr. S. RAMABALAN, M.E.
PRINCIPAL

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





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

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE & Mech) / Accredited by NAAC with 'A' Grade

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

An ISO 9001 : 2015 Certified Institution

Website: www.egspeec.org, Email: principal@egspeec.org, Ph: (04265) 251112, Fax: (04265) 251114

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

Ref. No. : EGSPEC/BoS/2018-2019/26

Date : 14/05/2019

To

Mr. A.Saravanan,
Senior IT Operations Analyst,
Accenture,
Bangalore.

Sir,

Sub: Convening the Board of Studies Meeting - Invitation - Reg.

We are honoured to have your good self as Alumni in the Board of Studies for the Department of **Information Technology** of our Institution for the academic year 2018-19.


Considering the academic schedule of the esteemed members, it is planned to convene the Meeting of the Board of Studies on **Saturday, the 18th of May 2019 at 10.00 a.m.** in our College to consider and approve the Curriculum & Syllabus prepared for the Regulations R2019 based on the AICTE model curriculum for UG Degree Courses in Engineering & Technology (Jan 2018).

We invite you to attend the meeting and share your valuable experience for the successful implementation of the Regulations R2019 in our Autonomous system for the benefit of all stake holders.

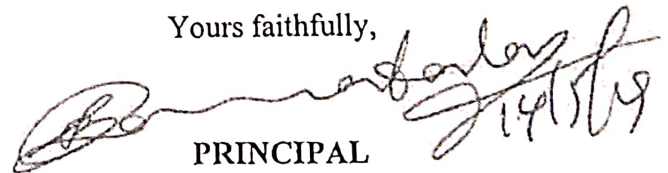
Thanking you,

Yours faithfully,


PRINCIPAL

ATTESTED

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




PRINCIPAL

E.G.S. PILLAY ENGINEERING COLLEGE
 (Autonomous)
 NAGAPATTINAM - 611 002
 Department of Information Technology



18th May 2019

**HEARTY WELCOME TO ALL
 BOARD OF STUDIES MEETING**

AGENDA

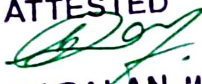
1. Programme Structure
2. Minutes of previous meeting
3. Approval of I to II Semester Curriculum and Syllabus & Curriculum for III to VIII Semesters (EGSPE Regulation - 2019)

BOARD OF STUDIES MEMBERS

S.No	Name	Category
1	Dr. V.RHYMEND UTHIARAJ Professor / IT Madras Institute of Technology, Chennai	University Nominee
2	Dr. E. SIVASANKAR Assistant Professor / CSE National Institute of Technology, Trichy	External Expert Members
3	Mr. MUBARAK Managing Director Vivid InfoTech Software Solutions Chennai - 600092	Industry Experts
4	Mr. A. SARAVANAN Senior IT Operations Analyst Accenture, Bangalore	Alumni
5	ALL THE FACULTY MEMBERS OF IT	Internal

STRUCTURE OF THE PROGRAMME

S.No	Category	Credits
A	Foundation Courses	50
	Humanities, Social Science and management (HSS)	15
	Basic Science (BS)	23
	Engineering Science (ES)	12
B	Professional Core Courses	53
	Elective Courses	33
	Programme specific Electives	18
C	Open Electives	6
	Humanities, Social Science and management (HSS) Electives	9
D	Project work, seminar, internship in industry or at Higher Learning institutions	16
E	Mandatory Courses - Environment Science, Induction Programme, Indian Constitution, Essence of Indian Tradition Knowledge, consumer Affairs (as per IGC guideline)	None Credit (Not included for CGPA)
	Minimum Credits to be earned for the award of the Degree	152 (from A to E) and the successful completion of Mandatory Courses

ATTESTED

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

MINUTES OF PREVIOUS MEETING

1. Finalized Curriculum and Syllabus III and VIII Semesters
2. Discussed Question Paper and Evaluation Pattern
3. Included Language Elective course and completed Hindi Course in 2017-18 Even Semester
4. Included Algorithm Analysis part in Data structure course as well as changed course name into Data Structures and Algorithms
5. Interchanged Software Engineering and OOAD course in 4th and 5th Semester

**MINUTES OF PREVIOUS MEETING
(contd.)**

General Points

1. Appreciated Curriculum, Syllabus and Combined Lab and Theory courses
2. Suggested number of theory courses as 5 per semester
3. Give more important to real time problem solving
4. Include placement related one credit courses


**MINUTES OF PREVIOUS MEETING
(contd.)**

6. Changed Software Project Management and Security as core course
7. Included Software Testing and Deep Learning as Elective Courses
8. Included Professional Ethics in Engineering Course as Core course in 7th Semester
9. As per recommendation we included following one credit courses – R-Programming, Building Smart Cities

**IMPLEMENTATION
(III and IV Semester)**

1. Completed 2 One credit courses Oracle PL/SQL and Oracle Java Programming and included their mark sheet
2. Visited BSNL, Karaikal for On-site seminar
3. Visited UST Global, Cochin for Industrial Visit
4. IoT Lab created for doing real time projects – 2 Project selected (1 – AICTE Hackathon, 1- AICTE Chatra Viswakarma Awards, 12 – Idea submitted to AICTE Hackathon)

ATTESTED


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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

Department of Information Technology Action Taken for BOS Meeting Minutes held on 18.05.2019

Name of the Department	Information Technology
Name of the programmes	B.Tech. Information Technology
Meeting No	03
Date Time	21.04.2018 & 10.30 A.M
Venue	ITA/C Seminar Hall

The Following resolutions were passed

- To finalize First and Second semester Curriculum and syllabi from first and second semester of B.Tech -Information Technology Programmes recommended by the members of BOS
- To finalize Third to Eighth Semester Curriculum for B.Tech -Information Technology Programmes recommended by the members of BOS .

List of Syllabus revised from EGSPEC R2017

Course Code	Name of the Course	Change Details	Revised
1901MA102	Engineering Mathematics –I (Calculus and Linear Algebra)	Revision	3 Module Change
1901CH101	Applied Chemistry in Informatics	Revision	3 Module Change
1901GEX03	Programming for Problem Solving	Revision	Some Content Change
1901MA202	Engineering Mathematics –II	Revision	3 Module Change
1901PH201	Physics for Information Science	Revision	3 Module Change
1901GEX01	Basic Electrical and Electronics Engineering	Revision	4 Module Change


List of New Courses Introduced

Course Code	Name of the Course	Change Details
1901ENX01	English for Engineers	New Course
1901GE151	Engineering Intelligence I	New Course
1901GE201	Engineering Exploration	New Course
1901GE254	Computer Hardware and IT Essentials Lab	New Course
1901GE252	Engineering Intelligence - II	New Course
1901GEX51	CAD Lab	New Course
1901GEX53	Basic Electrical and Electronics Engineering Lab	New Course

List of CBCS/Electives for /offered by B.Tech-Information Technology

LIST OF ELECTIVES

ATTESTED


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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
PROFESSIONAL ELECTIVE COURSE I									
19031T001	Software Testing Methods and Tools	3	0	0	3	40	60	100	PEC
19031T002	Virtual Reality	3	0	0	3	40	60	100	PEC
19031T003	Information Theory and Coding	3	0	0	3	40	60	100	PEC
19031T004	Mainframe Computing	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE II									
19031T005	Multi core Architecture	3	0	0	3	40	60	100	PEC
19031T006	Cyber Security	3	0	0	3	40	60	100	PEC
19031T007	Compiler Design	3	0	0	3	40	60	100	PEC
19031T008	Wireless Communication	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE III									
19031T009	Robot Process and Automation	3	0	0	3	40	60	100	PEC
19031T010	Computer Vision	3	0	0	3	40	60	100	PEC
19031T011	Information Management	3	0	0	3	40	60	100	PEC
19031T012	Software Architectures	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE IV									
19031T013	Enterprise Resource Planning	3	0	0	3	40	60	100	PEC
19031T014	Business Intelligence	3	0	0	3	40	60	100	PEC
19031T015	Data Analytics	3	0	0	3	40	60	100	PEC
19031T016	Social Network Analysis	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE V									
19031T017	Human Computer Interaction	3	0	0	3	40	60	100	PEC
19031T018	Blockchain Technologies	3	0	0	3	40	60	100	PEC
19031T019	Game Programming	3	0	0	3	40	60	100	PEC
19031T020	Deep Learning	3	0	0	3	40	60	100	PEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE I									
1901MGX04	Principles of Management	3	0	0	3	40	60	100	HSSEC
1901MGX05	Engineering Economics and Finance	3	0	0	3	40	60	100	HSSEC
1901MGX06	Human Resource Development in IT	3	0	0	3	40	60	100	HSSEC
1901MGX01	Total Quality Management	3	0	0	3	40	60	100	HSSEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE II									
1901HS001	Innovation & Entrepreneurship fundamentals	3	0	0	3	40	60	100	HSSEC
1901HS002	Intellectual Property Rights for Engineers	3	0	0	3	40	60	100	HSSEC
1901HS003	Startup Entrepreneurship	3	0	0	3	40	60	100	HSSEC
1901HS004	Business Model Innovation	3	0	0	3	40	60	100	HSSEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE III									
1901HS005	Social Entrepreneurship	3	0	0	3	40	60	100	HSSEC
1901HS006	Design Thinking for Innovation	3	0	0	3	40	60	100	HSSEC
1901HS007	Indian Patent Law & Patent Drafting	3	0	0	3	40	60	100	HSSEC
1901HS008	IP Management & Commercialization	3	0	0	3	40	60	100	HSSEC
ONE CREDIT COURSES									
19051T001	Full Stack Developer	-	-	-	1	40	60	100	EEC
19051T002	Devops	-	-	-	1	40	60	100	EEC
19051T003	Angular JS	-	-	-	1	40	60	100	EEC
19051T004	Sales force Trail Head	-	-	-	1	40	60	100	EEC
19051T005	VMware Data Centre and Virtualization	-	-	-	1	40	60	100	EEC
19051T006	R-Programming	-	-	-	1	40	60	100	EEC
19051T007	EMC Cloud Infrastructure and Services	-	-	-	1	40	60	100	EEC
19051T008	Amazon Web Services Cloud Computing Architect	-	-	-	1	40	60	100	EEC

ATTESTED

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

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



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

190511009	Agriculture for Engineers	-	-	-	1	40	60	100	EEC
190511010	Mongo and Maria Db	-	-	-	1	40	60	100	EEC
190511011	Building Smart Cities	-	-	-	1	40	60	100	EEC
190511012	Industrial Safety for Engineers	-	-	-	1	40	60	100	EEC
190511013	Introduction to Fisheries Engineering	-	-	-	1	40	60	100	EEC
190511014	Political Science	-	-	-	1	40	60	100	EEC
190511015	Visual Communication	-	-	-	1	40	60	100	EEC

ATTESTED


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



HEAD OF THE DEPARTMENT
INFORMATION TECHNOLOGY
EGS PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



E.G.S. PILLAY ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam - 611 002, Tamil Nadu

Board of Studies (BoS) Meeting Suggestions and Action taken

Name of the Department: Information Technology

Names of the Programme : B.Tech – Information Technology

Meeting No: 04

Date & Time: 13.06.2020 & 09.30 A.M.

Venue: IT A/C Seminar Hall & Zoom 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=V01kQ0tPMS9lbEl6R2phamM2Qy9JZz09>

Meeting ID: 715 3856 1160, Password: 123456

As per the recommendation from University Nominee, external Expert, Industry

Expert and alumni, following actions are taken for effective implementations

S.No	Points to be Discussed	Action taken
1.	<ul style="list-style-type: none">Small changes or modifications in the syllabus approved by Chairman BOS in Department Academic meeting and recommended to pass in BoS meeting, subsequently ratified in Academic councilThe 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	<ul style="list-style-type: none">Small changes in the syllabus, need based value added course and 1 credit course will be added and ratified in BOS and subsequently in academic council
2.	<ul style="list-style-type: none">Need to check/change all the reference books are to be a latest editions	<ul style="list-style-type: none">New edition and updated references are added
3.	<ul style="list-style-type: none">Need to add web references in the syllabus, if any	<ul style="list-style-type: none">Web references are also added in syllabus
4.	<ul style="list-style-type: none">Include more problems and programming concepts in laboratory based courses	<ul style="list-style-type: none">Based on current trends and industry needy problems are included
5.	<ul style="list-style-type: none">For Digital Principles and Design course, Include Verilog compiler as a unit and give some problems in laboratory	<ul style="list-style-type: none">Verilog added in Unit 5 also included problem in Lab
6.	<ul style="list-style-type: none">For Python Course, Include Python and MySQL Connection	<ul style="list-style-type: none">Included in both Theory and Laboratory part
7.	<ul style="list-style-type: none">Include NoSQL Concepts in DBMS Course	<ul style="list-style-type: none">NoSQL Concepts added in DBMS
8.	<ul style="list-style-type: none">Give case studies of operating systems in unit 5	<ul style="list-style-type: none">Windows, Linux added in Unit 5
9.	<ul style="list-style-type: none">In Engineering Mathematics III include Queuing and Network Model	<ul style="list-style-type: none">Queuing and Network model included
10.	<ul style="list-style-type: none">Include Node JS and placement related course as one credit course	<ul style="list-style-type: none">Instead of proprietary software, included open source software like

ATTESTED


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

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



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

		NodeJS, R, AWS, angular JS in syllabus and 1 credit courses
11.	<ul style="list-style-type: none">• Include Industry 4.0 courses – Virtual Reality, Cyber Security, Block Chain, Data Analytics, Artificial Intelligence courses	<ul style="list-style-type: none">• Artificial Intelligence, Data Analytics are courses and VR, Cyber Security, Block Chain as Elective Courses
12.	<ul style="list-style-type: none">• Add Principles of Machine Learning and Deep Learning, Image and Video Analytics, Text Analytics as Elective Courses	<ul style="list-style-type: none">• Principles of Machine Learning and Deep Learning, Image and Video Analytics, Text Analytics as Elective Courses are added in Elective
13.	<ul style="list-style-type: none">• Add Entrepreneurship, IPR, Patent Design Thinking as Humanities Elective Science group	<ul style="list-style-type: none">• Entrepreneurship, IPR, Patent Design Thinking are included in Humanities Elective Science group
14.	<ul style="list-style-type: none">• NBA Peer team report – slight modification is required in Mission, PEO and PSO statements	<ul style="list-style-type: none">• Based on NBA Peer team visit report department vision, mission, PEO and PSO slightly redrafted• Mapping with PEOs and Mission are verified and justification is recorded
15.	<ul style="list-style-type: none">• Content Delivery and Assessment methods are need to be change	<ul style="list-style-type: none">• Dynamically content delivery and assessment method are changed and reflected in course file
16.	<ul style="list-style-type: none">• Admission and their cut-off should be improved	<ul style="list-style-type: none">• Seats are filled and cut-off also increased

Enclosed redrafted Vision, Mission, PEO and PSO Statement with mapping

HOD/IT

Dr. S. MANIKANDAN, M. E., Ph.D
Head of the Department
Department of Information Technology
E.G.S. Pillay Engineering College
(Autonomous)
Nagapattinam - 611 002

ATTESTED

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




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



Department of Information Technology
Board of Studies (BoS) Members

Sl.No.	Name	Role
1	Prof. S. MANIKANDAN Head of the Department Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam – 611 002 Mobile: +91-9047902685 Email: hodit@egspec.org	Chairman – BoS
2	Dr. D. KARTHIKA RENUKA Associate Professor Department of Information Technology PSG College of Technology Coimbatore – 641 004 Email: dkr@ity.psgtech.ac.in Mobile: +91-9976128726	University Nominee
3	Dr. E. SIVASANKAR Assistant Professor / CSE National Institute of Technology, Trichy Email: sivasankar@nitt.edu Mobile: +91-9443744680	Subject Expert
4	Dr. S. PASUPATHY Associate Professor / CSE Annamalai University, Annamalai Nagar Email: pathyannamalai@gmail.com Mobile: +91-9443940576	Subject Expert
5	Mr. YOGESH KUMAR L & T Infotech, Chennai Email: myogeekumar@gmail.com Mobile: +919500036077	Industry
6	Mr. A. SARAVANAN Senior IT Operations Analyst, Accenture, Bangalore Email: saravanan4sap@gmail.com Mobile: +91-8892131312	Alumni
7	Dr. A.S. ANAKATH Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam – 611 002	Member
8	Ms. K. NAGALAKSHMI Associate Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam – 611 002	Member

ATTESTED

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

9	Mr. V.M. SURESH Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
10	Mr. K. MANIKANDA KUMARAN Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
11	Ms. R.G. GOKILA Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
12	Mr. K. RAJU Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
13	Ms. R. LAVANYA Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
14	Mr. R. ANAND BABU Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
15	Ms. K. SRILEKHA Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member


BoS/IT (Chairman)

ATTESTED

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

HEAD OF THE DEPARTMENT
INFORMATION TECHNOLOGY
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002



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

Minutes of Board of Studies(BoS) Meeting

Name of the Department	Information Technology
Name of the Programmes	B.Tech – Information Technology
Meeting No.	04
Date & Time	13.06.2020 & 09.30AM
Venue	IT A/C Seminar Hall & ZOOM 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=V01kQ0tPMS9lbEl6R2phamM2Qy9JZz09 Meeting ID: 715 3856 1160 Password: 123456

1. Chairman / BoS welcomed all members for the 4th 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 discuss last year activities
 - To finalize Third to Eighth Semester curriculum and syllabi for B.Tech – Information Technology Programmes
 - Any other matters.
4. The following are the suggestions given by the member of Board of Studies.

ATTESTED

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

E.G.S.

Na

Chairman (BoS) / IT

University Nominee

Subject Expert

Subject Expert

Industry Expert


Alumni

Senior Faculty


Senior Faculty

Senior Faculty


- BoS members appreciated for last one year activities such as oracle certification, one credit course and onsite seminar. Suggested give training and credit course for open source tools for web development, mobile apps, social media, etc
- Appreciated for adopting AICTE model curriculum and included all the mandate courses
- Appreciated to Department received NBA Accreditation status
- For humanities and science elective, change the course title business model generation, creating new startup and establishing new business into some other names
- Combine Probability, Queuing Theory and Statistics as one course and introduce in 3rd Semester itself with IT related problems
- Courses and credits also equally distributed and fix the credit range between 150-160.
- Appreciated for all the courses are included lab and tutorial components
- Recommended that Mooc courses like NPTEL, Course Era, Edx and other industry support online course as one credit based on students performance and consider for credit transfer
- Appreciated for IoT lab, AICTE Smart India Hackathon projects, ChatraViswkarama Awards, ISTE projects and Copyrights and Suggested that try UGC, AICTE for R&D funding for setting labs and projects
- Allocate science and humanities department faculty as Co-Guide for project course for gaining more knowledge in Mathematics, Physics and Chemistry courses
- While setting syllabus for 3 units/modules for basic, fundamentals and needs, remaining units will focus on concepts, case studies, experiments and models
- While handling lab, give different problems for all students and instruct them able to solve for improving practical
- Include Subject based mini-project or team project in Web Programming, DBMS, OOAD Courses
- Include prerequisite, course objectivities, outcomes to all the courses
- While framing course outcome check with OBE Rules and Blooms taxonomy action verbs



Chairman (BoS) / IT



University Nominee

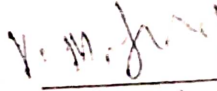
ATTESTED

Subject Expert
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 021
Nagapattinam (Dt) Tanjore
Alumni


Subject Expert


Industry Expert


Senior Faculty


Senior Faculty


Senior Faculty

- Do not use 0.5 credits in the courses, it will create lot of confusion allocation marks and grade. Follow AICTE Guidelines or Lecture hour 1 hour means 1 credit, Practical 2 hours means 1 credit
- Elective courses are link with previous courses. Check it Software Testing, Compiler Design, Information Coding, Information Management courses
- While framing Syllabus give crisp details instead giving paragraph. If it is possible include assessment method also
- Mandate courses use common syllabus or syllabus given by AICTE follow it
- Semester 2 CAD lab is not necessary for IT instead of that use IT Essential or Industry 4.0 as one course for understanding IT
- Python course introduced in 3rd semester appreciated, may be change digital course into Second semester
- Biology for IT much needed and learn about Bio-informatics
- **Software Engineering and Project Management** give mini project as case study
- **Start-up Opportunities for IT Engineers** new initiative taken for give some idea about Entrepreneurship
- Kindly check with combination of Open Elective, Humanities Elective courses and discuss with other branches
- Life Skill courses are needed for students and order also well. Check it GD is needed for credit for calculation
- For internship students can opt online internship or certification training minimum of 15 days or 45 to 60 hours consider for credit
- Kindly avail facility to transfer credit for MOOC/NPTEL Courses
- Check with regulation if it is possible give credit to extra/co-curricular activities
- 65% to 75% weightage will give to practical and tutorial parts

ATTESTED

Dr. S. RAMABALAN, P.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore 617 011
 Nagapattinam, Tamil Nadu.


 Chairman (BoS) / IT


 University Nominee


 Subject Expert


 Industry Expert


 Alumni



 Senior Faculty



 Senior Faculty


 Senior Faculty


- Review meeting should be conducted at the end of every semester to get the students & faculty feedback and make changes according to it
- In the course Digital Lab, The following topics can be included, Design of a 32-bit, carry look-ahead adder with logarithmic depth using Verilog, Design of a Wallace tree multiplier using Verilog
- In the course Problem solving using Python, Working with Python and MySQL to create a database and insert records into the table can be included.
- In the course Database Management Systems in Unit -5 Introduction to NoSQL can be taught to students
- In the course Operating System in Unit -5 Case Study Linux & Windows can be taught to students
- In the course Web Programming in Unit -5 Basics of Web Services can be taught to students.
- Humanities Science Elective Group 1 – Management courses related with IT (TQM, POM, Financial Management, HR in IT)
- Humanities Science Elective Group 2 and 3 – Innovation, Entrepreneurship, Design Thinking, Intellectual Property Rights
- Recommended adding the following course as elective courses Principles of Machine Learning and Deep Learning, Image and Video Analytics, Text Analytics
- Appreciated Indian Constitution, Environmental Sciences, and Essence Indian Traditional Knowledge courses as Audit and Mandatory Courses. The Evaluation of Audit Courses give case study assignments, seminar, group discussion or team assignment for getting depth and improve their communication skills

ATTESTED


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



 Chairman (BoS) / IT



 University Nominee


 Subject Expert



 Subject Expert


 Industry Expert


 Alumni


 Senior Faculty

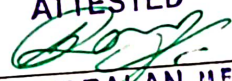

 Senior Faculty

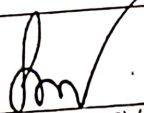

 Senior Faculty

Department Academic Advisory

- Discussed about NBA Peer team evaluation report
- Discussed last year academic audit process and evaluation procedure
- Attainment calculation of PO, PSO verified and suggested that give more training and activities to above apply level COs
- Inform to students to participate more interstate events like AICTE, Hackathon, Internshella, etc
- Discussed about online forms for collecting feedback, survey and various submissions
- Inform to faculty members to involve consultancy, R&D and innovation activities
- Upgrade lab facilities and increase continuously
- Kindly update question paper level above apply level and conduct more activities, case studies and assignments for achieving above levels
- Expert members are suggested that conduct alumni meet and get a feedback for interacting with industry for recent trends and updation
- Continuous improvement and monitoring is important for calculating attainment and suggested end of each course file the faculty course attainment report played vital role next course input so kindly ensure that process will be done
- Sample attainment calculation, CO to PO and PSO attainment, Event feedback, Action Taken report are shown and suggestion are given for next improvement
- 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

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering
Thethi, Nagore - 6
Nagapattinam - 617


Chairman (BoS) / IT



University Nominee


Subject Expert

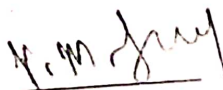

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

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

1. The following resolutions were passed

- It is resolved to recommend the curriculum and syllabi of 3rd to 8th 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: 13/06/2020

Place: Nagapattinam

ATTESTED

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


Chairman (BoS) / IT


University Nominee


Subject Expert

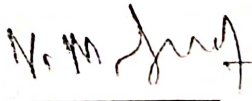

Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

DEPARTMENT OF INFORMATION TECHNOLOGY

Minutes of Staff Meeting

GGB 106 - Department of IT

HELD ON 21/05/2020

TIME: FROM 10.00 AM TO 12.45 PM

List Of Members Attended

1. Dr. P. Vijayalakshmi, Professor
2. Dr.A.S.Anakath, Professor
3. Ms. K.Nagalakshmi, Assoc.Prof
4. Mr. S. Manikandan, Asst. Prof & HoD
5. Mr. V.M. Suresh, Asst. Prof
6. Mr. K. Manikanda Kumaran, Asst. Prof
7. Ms. R.G. Gokila, Asst. Prof
8. Ms. R. Lavanya, Asst. Prof
9. Mr. R. Anand Babu, Asst. Prof
10. Mr. K. Raju, Asst. Prof
11. Ms. P. Ponnaravi, Asst.Prof
12. Ms. R. Vignesh, Asst.Prof
13. Ms. R. Lalitha, Asst.Prof

Action Taken on Previous Meeting	Agenda Points	Details Of Discussion	Responsible Person and Target Date
1. Prepared course file for even semester courses 2. Discussed previous NBA visit and Re-drafted vision, mission, PEO, PSO based on inputs from stakeholders 3. Academic Audit Point Discussed	1. Academics	1. Requested to all faculties taking classes based on OBE and explain course outcome for each course 2. Prepare Cycle test question paper and submit to Dept. exam cell coordinator 3. Requested to all faculties prepare Scheme of evaluation for unit test question and give to students 4. Requested to all faculties cycle test performance exam duty and conduct exam smoothly 5. Requested to all target fixed for this semester so work based on that and improve the result	All faculty Members and Inform to students
	2. R&D Activities	1. Requested to all faculties publish paper in SCI Journals. 2. Instruct to all final year students and UG project supervisor convert students projects into patents, copyrights and journals. All the projects are only internal mode 3. Requested to all faculties send minimum of one project proposal to funding agencies	
	3. Performance Evaluation	1. Check Monthly Evaluation Form and Follow the activities regularly 2. Check your mail, Annual Credit point system sent to all kindly go through it and work based on that 3. Daily attendance and Biometric report monitored by daily basis. Kindly follow the protocols	
	4. BoS	1. Regulation 2019 Curriculum and Syllabus discussed based on brainstorming session. Drafted Curriculum and Syllabus will be presented Board of Studies meeting will be conducted on June'2020 2. Academic audit points are incorporated and discussed	

Minuted by Mr. R. Anand Babu, AP/IT

ATTESTED



Cc to: Principal Office and Department File
E.G.S. PILLAY, M.E., Ph.D.,
 PRINCIPAL

E.G.S. Pillay Engineering College,
 Thethi, Nagore,
 Nagapattinam (Dist. Thanjavur)



HOD/IT

HEAD OF THE DEPARTMENT
INFORMATION TECHNOLOGY
 EGS PILLAY ENGINEERING COLLEGE
 NAGAPATTINAM - 626002.



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

NAGAPATTINAM – 611 002, TAMILNADU, INDIA

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

Department of Information Technology Action Taken for BOS Meeting Minutes held on 13.06.2020

Name of the Department	Information Technology
Name of the programmes	B.Tech. Information Technology
Meeting No	04
Date Time	13.06.2020 & 9.30 A.M
Venue	ITA/C Seminar Hall

The Following resolutions were passed

- To finalize Third to Eighth Semester Curriculum and Syllabi for B.Tech -Information Technology Programmes recommended by the members of BOS .

List of Syllabus revised from EGSPEC R2017

Course Code	Name of the Course	Change Details	Revised
1902IT351	Data Structures and Algorithms Lab	Revision	2 Module Change
1902IT453	Operating Systems Lab	Revision	2 Module Change
1902IT504	Internet of Things	Revision	2 Module Change

List of New Courses Introduced

Course Code	Name of the Course	Change Details
1901MA302	Engineering Mathematics III (Queuing Model and Network Model)	New Course
1902IT304	Problem solving using Python	New Course
1902IT305	Biology for IT	New Course
1902IT352	Digital Principles and Design Lab	New Course
1902IT353	Python Programming Lab	New Course
1904GE351	Life Skills: Verbal Ability	New Course
1902MCX02	Constitution of India	New Course
1902IT452	Java Programming Lab	New Course
1904GE451	Life Skills: Verbal Reasoning	New Course
1902IT551	Web Programming Lab	New Course
1904IT552	Start up Opportunities for IT Engineers	New Course
1902MCX03	Essence of Indian Traditional Knowledge	New Course
1903IT002	Virtual Reality	New Course
1901MGX05	Engineering Economics and Finance	New Course
1901MGX06	Human Resource Development in IT	New Course
1903IT007	Cyber Security	New Course

ATTESTED


Dr. S. RAMABALAN, M.E., M.Tech.,
PRINCIPAL

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



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

NAGAPATTINAM – 611 002, TAMILNADU, INDIA

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

1901HS001	Innovation and Entrepreneurship Fundamentals	New Course
1901HS002	Intellectual Property Rights for Engineers	New Course
1901HS003	Start up Entrepreneurship	New Course
1901HS004	Business Model Innovation	New Course

List of CBCS/Electives for /offered by B.Tech-Information Technology

LIST OF ELECTIVES

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CA	ES	Total	
PROFESSIONAL ELECTIVE COURSE I									
1903IT001	Software Testing Methods and Tools	3	0	0	3	40	60	100	PEC
1903IT002	Virtual Reality	3	0	0	3	40	60	100	PEC
1903IT003	Information Theory and Coding	3	0	0	3	40	60	100	PEC
1903IT004	Mainframe Computing	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE II									
1903IT005	Multi core Architecture	3	0	0	3	40	60	100	PEC
1903IT006	Cyber Security	3	0	0	3	40	60	100	PEC
1903IT007	Compiler Design	3	0	0	3	40	60	100	PEC
1903IT008	Wireless Communication	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE III									
1903IT009	Robot Process and Automation	3	0	0	3	40	60	100	PEC
1903IT010	Computer Vision	3	0	0	3	40	60	100	PEC
1903IT011	Information Management	3	0	0	3	40	60	100	PEC
1903IT012	Software Architectures	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE IV									
1903IT013	Enterprise Resource Planning	3	0	0	3	40	60	100	PEC
1903IT014	Business Intelligence	3	0	0	3	40	60	100	PEC
1903IT015	Data Analytics	3	0	0	3	40	60	100	PEC
1903IT016	Social Network Analysis	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE V									
1903IT017	Human Computer Interaction	3	0	0	3	40	60	100	PEC
1903IT018	Blockchain Technologies	3	0	0	3	40	60	100	PEC
1903IT019	Game Programming	3	0	0	3	40	60	100	PEC
1903IT020	Deep Learning	3	0	0	3	40	60	100	PEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE I									
1901MGX04	Principles of Management	3	0	0	3	40	60	100	HSSEC
1901MGX05	Engineering Economics and Finance	3	0	0	3	40	60	100	HSSEC
1901MGX06	Human Resource Development in IT	3	0	0	3	40	60	100	HSSEC
1901MGX01	Total Quality Management	3	0	0	3	40	60	100	HSSEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE II									
1901HS001	Innovation & Entrepreneurship fundamentals	3	0	0	3	40	60	100	HSSEC
1901HS002	Intellectual Property Rights for Engineers	3	0	0	3	40	60	100	HSSEC
1901HS003	Startup Entrepreneurship	3	0	0	3	40	60	100	HSSEC
1901HS004	Business Model Innovation	3	0	0	3	40	60	100	HSSEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE III									
1901HS005	Social Entrepreneurship	3	0	0	3	40	60	100	HSSEC
1901HS006	Design Thinking for Innovation	3	0	0	3	40	60	100	HSSEC

ATTESTED


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

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

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


NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

Course Code	Course Name	3	0	0	3	40	60	100	HSSEC
1901HS007	Indian Patent Law & Patent Drafting	3	0	0	3	40	60	100	HSSEC
1901HS008	IP Management & Commercialization	3	0	0	3	40	60	100	HSSEC
ONE CREDIT COURSES									
1905IT001	Full Stack Developer	-	-	-	1	40	60	100	EEC
1905IT002	Devops	-	-	-	1	40	60	100	EEC
1905IT003	Angular JS	-	-	-	1	40	60	100	EEC
1905IT004	Sales force Trail Head	-	-	-	1	40	60	100	EEC
1905IT005	VMware Data Centre and Virtualization	-	-	-	1	40	60	100	EEC
1905IT006	R-Programming	-	-	-	1	40	60	100	EEC
1905IT007	EMC Cloud Infrastructure and Services	-	-	-	1	40	60	100	EEC
1905IT008	Amazon Web Services Cloud Computing Architect	-	-	-	1	40	60	100	EEC
1905IT009	Agriculture for Engineers	-	-	-	1	40	60	100	EEC
1905IT010	Mongo and Maria Db	-	-	-	1	40	60	100	EEC
1905IT011	Building Smart Cities	-	-	-	1	40	60	100	EEC
1905IT012	Industrial Safety for Engineers	-	-	-	1	40	60	100	EEC
1905IT013	Introduction to Fisheries Engineering	-	-	-	1	40	60	100	EEC
1905IT014	Political Science	-	-	-	1	40	60	100	EEC
1905IT015	Visual Communication	-	-	-	1	40	60	100	EEC

ATTESTED


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


HEAD OF THE DEPARTMENT
INFORMATION TECHNOLOGY
E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM - 611 002.



Board of Studies (BoS) Meeting Suggestions and Action taken

Name of the Department: Information Technology

Names of the Programme : B.Tech – Information Technology

Meeting No: 05

Date & Time: 16.07.2021 & 10.00 A.M.

Venue: IT A/C Seminar Hall & Google Meet

As per the recommendation from University Nominee, external Expert, Industry Expert and alumni, following action to be taken

S.No	Points to be Discussed	Action taken
1.	<ul style="list-style-type: none">Small changes or modifications in the syllabus approved by Chairman BOS in Department Academic meeting and recommended to pass in BoS meeting, subsequently ratified in Academic councilThe 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	<ul style="list-style-type: none">Small changes in the syllabus, need based value added course and 1 credit course will be added and ratified in BOS and subsequently in academic council
2.	<ul style="list-style-type: none">Industry related training is required for students and provide Hands on based experience	<ul style="list-style-type: none">Skillrack and E-Box training started for students and problem based learning practice initiated
3.	<ul style="list-style-type: none">Online Industry training will be considered for internship	<ul style="list-style-type: none">TCS iON, ICT Academy Learnathon activities are conducted for students and it is continuous process doing for students regularly
4.	<ul style="list-style-type: none">Programme Assessment Committee	<ul style="list-style-type: none">PAC Committee will be constituted after the result will be published for 2021 passed out it will be conducted with PO and PSO attainment
5.	<ul style="list-style-type: none">AICTE SPICES Project	<ul style="list-style-type: none">2 Student patent, 3 students Projects submitted
6.	<ul style="list-style-type: none">HSS Elective	<ul style="list-style-type: none">HR in IT, Engineering Economic courses added in HSS Elective
7.	<ul style="list-style-type: none">Industry 4.0 courses to added	<ul style="list-style-type: none">Block Chain Technology Computer Vision, Machine Learning courses are added in Elective
8.	<ul style="list-style-type: none">Provide option for Innovation, Design Thinking, Social Entrepreneurship as elective courses	<ul style="list-style-type: none">Design Thinking for Innovation Social Entrepreneurship courses added in HSS Elective

ATTESTED

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

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

Nagapattinam (Dt) Tamil Nadu.

HoD/IT

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF INFORMATION TECHNOLOGY
 Minutes of Staff Meeting

VENUE	SJB214 - Department of IT		
CONVENED ON	08/07/2021	TIME: FROM	01.00 PM TO 01.30 PM
List Of Members Attended	1. Dr. P. Vijayalakshmi, Professor 2. Dr. A.S. Anakath, Professor 3. Dr. S. Manikandan, Assoc. Prof & HoD 4. Dr. K. Manikanda Kumaran, Assoc. Prof 5. Ms. K. Nagalakshmi, Assoc. Prof 6. Mr. V.M. Suresh, Asst. Prof 7. Ms. R.G. Gokila, Asst. Prof 8. Ms. R. Lavariya, Asst. Prof 9. Mr. R. Anand Babu, Asst. Prof 10. Dr. K. Raju, Asst. Prof 11. Ms. P. Ponnaruvi, Asst. Prof 12. Ms. R. Vignesh, Asst. Prof 13. Ms. R. Lalitha, Asst. Prof		
Action Taken on Previous Meeting	Agenda Points	Details Of Discussion	Responsible Person and Target Date
1. Academic Audit 2. Students Interaction and Activities 3. Curriculum and Design	BoS Meeting	1. The 5 th BoS meeting will be conducted on 16/07/2021 online mode. Requested to Staff members and Domain Coordinator draft the syllabus for approval 2. Academic Audit points will be discussed on the BoS meeting so ready with all the minutes and action taken details 3. Students activities and interaction details will present in the meeting 4. EGSPEC R2017 2021, 2022 passed out curriculum need to show the BoS members (List of courses completed details) 5. Stakeholders inputs need to discuss in the meeting for effective implementation	All faculty Members

Minuted by Mr. R. Anand Babu, AP/IT

Dr. S. MANIKANDAN
 Head of the Department
 Department of Information Technology
 E.G.S.Pillay Engineering College
 (Autonomous)
 Nagapattinam - 611 002

h
Dr.P.V

Dr.ASA *ASA*

Dr.KMK *KMK*

KN *KN*

VMS *VMS*

KR *KR*

RL *RL*

PP *PP*

RAB *RAB*

RGG *RGG*

RLA *RLA*

RV *RV*

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,

Nagapattinam - 611 002




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



Department of Information Technology
Board of Studies (BoS) Members


Sl.No.	Name	Role
1	Dr. S. MANIKANDAN Associate Professor & Head of the Department Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam – 611 002 Mobile: +91-9047902685 Email: hodit@egspec.org	Chairman – BoS
2	Dr. D. KARTHIKA RENUKA Associate Professor Department of Information Technology PSG College of Technology Coimbatore – 641 004 Email: dkr@ity.psgtech.ac.in Mobile: +91-9976128726	University Nominee
3	Dr. E. SIVASANKAR Assistant Professor / CSE National Institute of Technology, Trichy Email: sivasankar@nitt.edu Mobile: +91-9443744680	Subject Expert
4	Dr. S. PASUPATHY Associate Professor / CSE Annamalai University, Annamalai Nagar Email: pathyannamalai@gmail.com Mobile: +91-9443940576	Subject Expert
5	Mr. YOGESH KUMAR L & T Infotech, Chennai Email: myogeeskumar@gmail.com Mobile: +919500036077	Industry
6	Mr. A. SARAVANAN Senior IT Operations Analyst, Accenture, Bangalore Email: saravanan4sap@gmail.com Mobile: +91-8892131312	Alumni
7	Dr. P. VIJAYALAKSHMI Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam – 611 002	Member
8	Dr. A.S. ANAKATH Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam – 611 002	Member

ATTESTED


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

9	Dr. K. MANIKANDA KUMARAN Associate Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
10	Ms. K. NAGALAKSHMI Associate Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
11	Mr. V.M. SURESH Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
12	Ms. R.G. GOKILA Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
13	Mr. K. RAJU Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
14	Ms. R. LAVANYA Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
15	Mr. R. ANAND BABU Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
16	Ms. P. PONNARUVI Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member
17	Mr. K. VIGNESH Assistant Professor Department of Information Technology E.G.S. Pillay Engineering College Nagapattinam - 611 002	Member

ATTESTED


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


BoS/IT (Chairman)



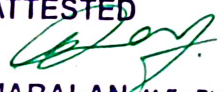
E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamil Nadu.


Minutes of Board of Studies (BoS) Meeting

Name of the Department	Information Technology
Name of the Programmes	B.Tech – Information Technology
Meeting No.	05
Date & Time	16.07.2021 & 10.30AM
Venue	IT A/C Seminar Hall & Online Google Meet: meet.google.com/zir-ehrb-zgi Topic: BoS Meeting EGSPEC IT


1. Chairman / BoS welcomed all members for the 5th 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 discuss last year activities
 - Discuss about stakeholders input III Semester and VIII Semester Curriculum and Syllabus
 - Discuss about Academic Audit minutes
 - Any other matters.
4. The following are the suggestions given by the member of Board of Studies.
 - Expert members gave appreciation to staff members to taken effort during pandemic period and discussed various self-learning activities, industry training and certification
 - Students Activities such as **Oracle certification, E-Box, Skillrack** training are discussed and appreciated.

ATTESTED


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



Chairman (BoS) / IT



University Nominee

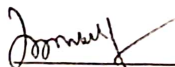

Subject Expert


Subject Expert


Industry Expert

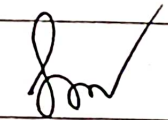

Alumni


Senior Faculty


Senior Faculty



Senior Faculty

- Industry expert suggested that students can attend the online training courses like TCS iON, GUVI, Skillathon, Programming training. Also consider this training as Value added courses, Internship and other modes for students development
- The total credit distribution verified and fixed as 160 for EGSPEC2019 curriculum
- EGSPEC2017 Curriculum and Syllabus – 2021, 2022 batches studied courses are verified and check one credit courses, value added courses and student's internship activities.
- BoS members are suggested that online training courses or mooc courses are considered for internship or credit transfer. Also suggested that use the benefit for choice based credit system in credit transfer also
- AICTE SPICES activities discussed and they suggested that motivate the students to participate startups, innovation and incubation
- Humanities Science elective courses are discussed and they suggested that include **Human resource in IT, Engineering Economics course**
- Also Provide option for **Innovation, Design Thinking, Social Entrepreneurship** as elective courses
- BoS members are suggested that offer department professional elective courses as open elective for other programme may be it will covers current industry 4.0 standards
- List of professional Elective courses and their syllabus are verified and suggestions are noticed
- While setting syllabus for 3 units/modules for basic, fundamentals and needs, remaining units will focus on concepts, case studies, experiments and models
- While handling lab, give different problems for all students and instruct them able to solve for improving practical
- While framing Syllabus give crisp details instead giving paragraph. If it is possible include assessment method also
- **Mandate courses use common syllabus or syllabus given by AICTE follow it**


Chairman (BoS) / IT


University Nominee

ATTESTED



Subject Expert

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


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

Nagapattinam (Dt) Tamil Nadu.


Alumni


Subject Expert


Industry Expert


Senior Faculty


Senior Faculty


Senior Faculty

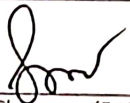
- Kindly check with combination of Open Elective, Humanities Elective courses and discuss with other branches
- Life Skill courses are needed for students and order also well. Check if GD is needed for credit for calculation
- Discussed academic audit minutes and they suggested the process for calculation of attainment. Also, they recommended that conduct Programme Assessment Committee for 2021 passed out batch and compare the attainment with previous batch results for effective implementation
- **Indian Constitution, Environmental Sciences, and Essence Indian Traditional Knowledge** courses as Audit and Mandatory Courses are fixed in lower semester. It is appreciated and the suggested instead of conducting examination provide case study, seminar and team project as assignment
- 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

ATTESTED



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

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



Chairman (BoS) / IT



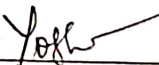
University Nominee



Subject Expert



Subject Expert



Industry Expert



Alumni



Senior Faculty



Senior Faculty



Senior Faculty

1. The following resolutions were passed

- It is resolved to recommend the changes in curriculum and syllabi of 3rd to 8th Semester of B.Tech – Information Technology Programme to the Academic Council for approval.
- It is resolved that conduct Programme Assessment Committee in the department level for the 2020-21 batch and compare the attainment values with existing batches for effective implementation
- It is resolved that every year conduct academic audit with external expert members and implement the process


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


Date: 16/07/2021


Place: Nagapattinam


ATTESTED

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


Chairman (BoS) / IT


University Nominee

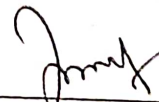

Subject Expert


Subject Expert


Industry Expert


Alumni


Senior Faculty


Senior Faculty


Senior Faculty

Dr. S. Pasupathy

Associate Professor / C&I

Annamalai University

Report on R2019 B.Tech - II Curriculum and Syllabus

First of all I appreciate IT department HoD and faculty members prepared syllabus very well and included recent technologies like block chain, data analytics, AI, Deep learning, Virtual reality as the subject.

1. Followed AICTE Curriculum and Total credit as 160
2. Each semester subject are organized good and syllabus are inline and coherence with previous courses
3. Syllabus are framed good and avoid further reading / content beyond syllabus part
4. Mention Web reference in each subject
5. Include prerequisite, course objectives, outcomes to all the courses
6. While framing course outcome check with OBE Rules and Blooms taxonomy action verbs
7. Do not use 0.5 credits in the courses, it will create lot of confusion allocation marks and grade. Follow AICTE Guidelines or Lecture hour 1 hour means 1 credit, Practical 2 hours means 1 credit
8. Elective courses are link with previous courses. Check it Software Testing, Compiler Design, Information Coding, Information Management courses
9. While framing Syllabus give crisp details instead giving paragraph. If it is possible include assessment method also
10. Mandate courses use common syllabus or syllabus given by AICTE follow it
11. Semester 2 CAD lab is not necessary for IT instead of that use IT Essential or Industry 4.0 as one course for understanding IT
12. Python course introduced in 3rd semester appreciated, may be change digital course into Second semester
13. Biology for IT much need and learn about Bio-Informatics
14. Software Engineering and Project Management give mini project as case study
15. Start-up Opportunities for IT Engineers new initiative taken for give some idea about Entrepreneurship
16. Kindly check with combination of Open Elective, Humanities Elective courses and discuss with other branches
17. Life Skill courses are needed for students and order also well. Check it GD is needed for credit for calculation
18. For internship students can opt online Interhsip or certification traning minimum of 15 days or 45 to 60 hours consider for credit
19. Kindly avail facility to transfer credit for MOOC/NPTEL Courses
20. Check with regulation if it is possible give credit to extra/co-curricular activities

Thanks for provided opportunity as expert member and all the best

Received Report suggestion by mail

[Signature]

ATTESTED Dr.S.PASUPATHY

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

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

Nagapattinam (Dist) Tamil Nadu

Date: Jun 02, 2021, 3:20 PM
Subject: R2019 - BoS - Reg
From: 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.


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>

from: HOD
IT <hodit@egspec.org>
to: saravanan4sap@gmail.com
date: Jun 3, 2021, 10:15 AM.
subject: EGSPEC-IT_BoS-R2019 -
Reg
mailed: egspec.org
by:

ATTESTED


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

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

IMPLEMENTATION (II and III Year)

1. Completed 2 One credit courses Oracle PL/SQL and Oracle Java Programming and included their mark sheet
2. Visited BSNL, Karaikal for On-site seminar
3. Visited UST Global, Cochin for Industrial Visit
4. IoT Lab created for doing real time projects – 2 Project selected (3 – AICTE Hackathon, 2- AICTE Chitra Viswakarma Awards, 12 – Idea submitted to AICTE Hakaethon, TCS iON-30, Learnathon – 20, UiPath RPA – 35)
5. Initiated Entreprenuership as Open Elective Course
6. AWS Cloud Lietracy, VMWare VTA, RedHat Learning, Oracle Day completed with certification



Sl. No.	Course Name	Credits	Prerequisites	Course Objectives	Course Outcomes	Assessment Methods	Grading System	Remarks
I	Engineering Mathematics II	3	Engineering Mathematics I	1. Understand the concept of vector algebra and its applications. 2. Understand the concept of scalar and vector products. 3. Understand the concept of double and triple integrals. 4. Understand the concept of differential equations.	1. Apply vector algebra to solve problems. 2. Apply scalar and vector products to solve problems. 3. Apply double and triple integrals to solve problems. 4. Apply differential equations to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
II	Engineering Mathematics III	3	Engineering Mathematics II	1. Understand the concept of Fourier series. 2. Understand the concept of Fourier transform. 3. Understand the concept of Laplace transform. 4. Understand the concept of Z-transform.	1. Apply Fourier series to solve problems. 2. Apply Fourier transform to solve problems. 3. Apply Laplace transform to solve problems. 4. Apply Z-transform to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
III	Engineering Mathematics IV	3	Engineering Mathematics III	1. Understand the concept of probability. 2. Understand the concept of random variables. 3. Understand the concept of correlation. 4. Understand the concept of regression.	1. Apply probability to solve problems. 2. Apply random variables to solve problems. 3. Apply correlation to solve problems. 4. Apply regression to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
IV	Engineering Mathematics V	3	Engineering Mathematics IV	1. Understand the concept of statistics. 2. Understand the concept of hypothesis testing. 3. Understand the concept of quality control. 4. Understand the concept of inventory control.	1. Apply statistics to solve problems. 2. Apply hypothesis testing to solve problems. 3. Apply quality control to solve problems. 4. Apply inventory control to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
V	Engineering Mathematics VI	3	Engineering Mathematics V	1. Understand the concept of operations research. 2. Understand the concept of linear programming. 3. Understand the concept of network flow. 4. Understand the concept of dynamic programming.	1. Apply operations research to solve problems. 2. Apply linear programming to solve problems. 3. Apply network flow to solve problems. 4. Apply dynamic programming to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
VI	Engineering Mathematics VII	3	Engineering Mathematics VI	1. Understand the concept of optimization. 2. Understand the concept of integer programming. 3. Understand the concept of goal programming. 4. Understand the concept of fuzzy logic.	1. Apply optimization to solve problems. 2. Apply integer programming to solve problems. 3. Apply goal programming to solve problems. 4. Apply fuzzy logic to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
VII	Engineering Mathematics VIII	3	Engineering Mathematics VII	1. Understand the concept of artificial intelligence. 2. Understand the concept of expert systems. 3. Understand the concept of neural networks. 4. Understand the concept of genetic algorithms.	1. Apply artificial intelligence to solve problems. 2. Apply expert systems to solve problems. 3. Apply neural networks to solve problems. 4. Apply genetic algorithms to solve problems.	Internal (20%) and External (80%)	Pass/Fail	
VIII	Engineering Mathematics IX	3	Engineering Mathematics VIII	1. Understand the concept of data mining. 2. Understand the concept of data warehousing. 3. Understand the concept of data security. 4. Understand the concept of data privacy.	1. Apply data mining to solve problems. 2. Apply data warehousing to solve problems. 3. Apply data security to solve problems. 4. Apply data privacy to solve problems.	Internal (20%) and External (80%)	Pass/Fail	

ATTESTED




Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagere - 511 002.
Nagapattinam (Dt) Tamil Nadu.


LIST OF THE COURSES

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						TA	TS	Total	
MODULE I									
EEET101	Engineering Mathematics - I	5	0	0	0	40	60	100	PE
EEET102	Mathematical Proofs	5	0	0	0	40	60	100	PE
EEET103	Engineering Drawing and Graphics	5	0	0	0	40	60	100	PE
EEET104	Computer Aided Design	5	0	0	0	40	60	100	PE
MODULE II									
EEET105	Engineering Physics - Analytical	5	0	0	0	40	60	100	PE
EEET106	Engineering Physics - Experimental	5	0	0	0	40	60	100	PE
EEET107	Engineering Chemistry - I	5	0	0	0	40	60	100	PE
EEET108	Engineering Chemistry - II	5	0	0	0	40	60	100	PE
MODULE III									
EEET109	Engineering Mathematics - II	5	0	0	0	40	60	100	PE
EEET110	Engineering Mathematics - III	5	0	0	0	40	60	100	PE
EEET111	Engineering Mathematics - IV	5	0	0	0	40	60	100	PE
EEET112	Engineering Mathematics - V	5	0	0	0	40	60	100	PE
EEET113	Engineering Mathematics - VI	5	0	0	0	40	60	100	PE
EEET114	Engineering Mathematics - VII	5	0	0	0	40	60	100	PE
EEET115	Engineering Mathematics - VIII	5	0	0	0	40	60	100	PE
EEET116	Engineering Mathematics - IX	5	0	0	0	40	60	100	PE
EEET117	Engineering Mathematics - X	5	0	0	0	40	60	100	PE
EEET118	Engineering Mathematics - XI	5	0	0	0	40	60	100	PE
EEET119	Engineering Mathematics - XII	5	0	0	0	40	60	100	PE
EEET120	Engineering Mathematics - XIII	5	0	0	0	40	60	100	PE
EEET121	Engineering Mathematics - XIV	5	0	0	0	40	60	100	PE
EEET122	Engineering Mathematics - XV	5	0	0	0	40	60	100	PE
EEET123	Engineering Mathematics - XVI	5	0	0	0	40	60	100	PE
EEET124	Engineering Mathematics - XVII	5	0	0	0	40	60	100	PE
EEET125	Engineering Mathematics - XVIII	5	0	0	0	40	60	100	PE
EEET126	Engineering Mathematics - XIX	5	0	0	0	40	60	100	PE
EEET127	Engineering Mathematics - XX	5	0	0	0	40	60	100	PE
EEET128	Engineering Mathematics - XXI	5	0	0	0	40	60	100	PE
EEET129	Engineering Mathematics - XXII	5	0	0	0	40	60	100	PE
EEET130	Engineering Mathematics - XXIII	5	0	0	0	40	60	100	PE
EEET131	Engineering Mathematics - XXIV	5	0	0	0	40	60	100	PE
EEET132	Engineering Mathematics - XXV	5	0	0	0	40	60	100	PE
EEET133	Engineering Mathematics - XXVI	5	0	0	0	40	60	100	PE
EEET134	Engineering Mathematics - XXVII	5	0	0	0	40	60	100	PE
EEET135	Engineering Mathematics - XXVIII	5	0	0	0	40	60	100	PE
EEET136	Engineering Mathematics - XXIX	5	0	0	0	40	60	100	PE
EEET137	Engineering Mathematics - XXX	5	0	0	0	40	60	100	PE
EEET138	Engineering Mathematics - XXXI	5	0	0	0	40	60	100	PE
EEET139	Engineering Mathematics - XXXII	5	0	0	0	40	60	100	PE
EEET140	Engineering Mathematics - XXXIII	5	0	0	0	40	60	100	PE
EEET141	Engineering Mathematics - XXXIV	5	0	0	0	40	60	100	PE
EEET142	Engineering Mathematics - XXXV	5	0	0	0	40	60	100	PE
EEET143	Engineering Mathematics - XXXVI	5	0	0	0	40	60	100	PE
EEET144	Engineering Mathematics - XXXVII	5	0	0	0	40	60	100	PE
EEET145	Engineering Mathematics - XXXVIII	5	0	0	0	40	60	100	PE
EEET146	Engineering Mathematics - XXXIX	5	0	0	0	40	60	100	PE
EEET147	Engineering Mathematics - XL	5	0	0	0	40	60	100	PE
EEET148	Engineering Mathematics - XLI	5	0	0	0	40	60	100	PE
EEET149	Engineering Mathematics - XLII	5	0	0	0	40	60	100	PE
EEET150	Engineering Mathematics - XLIII	5	0	0	0	40	60	100	PE
EEET151	Engineering Mathematics - XLIV	5	0	0	0	40	60	100	PE
EEET152	Engineering Mathematics - XLV	5	0	0	0	40	60	100	PE
EEET153	Engineering Mathematics - XLVI	5	0	0	0	40	60	100	PE
EEET154	Engineering Mathematics - XLVII	5	0	0	0	40	60	100	PE
EEET155	Engineering Mathematics - XLVIII	5	0	0	0	40	60	100	PE
EEET156	Engineering Mathematics - XLIX	5	0	0	0	40	60	100	PE
EEET157	Engineering Mathematics - L	5	0	0	0	40	60	100	PE

Industry Tie-Up

1. Oracle Academy - Java, PL/SQL
2. Dell EMC - Data Mining, Data Analytics
3. VmWare - Cloud Computing
4. Palo Alto - Cyber Security
5. AWS - Cloud Architect
6. Guvi - Programming Languages and Training
7. Ampisoft - E-Box
8. Red Hat - App Development, Operating Systems, Open Source Programming
9. UiPath - Robot Process Automation

ATTESTED

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


 12/12/20



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

Department of Information Technology Action Taken for BOS Meeting Minutes held on 13.06.2020

Name of the Department	Information Technology
Name of the programmes	B.Tech. Information Technology
Meeting No	05
Date Time	16.07.2021 & 10.00 A.M
Venue	ITA/C Seminar Hall

The Following resolutions were passed

- The Curriculum and syllabi from Third to Eighth Semester of B.Tech -Information Technology Programmes recommended by the members of BOS .

List of and New Courses Introduced

Course Code	Name of the Course	Change Details
1901GEX04	Biology for Engineers	New Course
1901MGX07	Universal Human Values and Ethics	New Course
1904IT752	In plant Training / Internship Presentation	New Course
1901HS005	Social Entrepreneurship	New Course
1901HS006	Design Thinking for Innovation	New Course
1901HS007	Indian Patent Law and Patent Drafting	New Course
1901HS008	IP Management and Commercialization	New Course
1903IT019	Blockchain Technologies	New Course

List of CBCS/Electives for /offered by B.Tech-Information Technology

LIST OF ELECTIVES

Course Code	Course Name	L	T	P	C	Maximum Marks			Category	
						CA	ES	Total		
PROFESSIONAL ELECTIVE COURSE I										
1903IT001	Software Testing Methods and Tools	3	0	0	3	40	60	100	PEC	
1903IT002	Virtual Reality	3	0	0	3	40	60	100	PEC	
1903IT003	Information Theory and Coding	3	0	0	3	40	60	100	PEC	
1903IT004	Mainframe Computing	3	0	0	3	40	60	100	PEC	
PROFESSIONAL ELECTIVE COURSE II										
1903IT005	Multi core Architecture	3	0	0	3	40	60	100	PEC	
1903IT006	Cyber Security	3	0	0	3	40	60	100	PEC	
1903IT007	Compiler Design	3	0	0	3	40	60	100	PEC	
1903IT008	Wireless Communication	3	0	0	3	40	60	100	PEC	
PROFESSIONAL ELECTIVE COURSE III										
1903IT009	Robot Process and Automation	3	0	0	3	40	60	100	PEC	
1903IT010	Computer Vision	3	0	0	3	40	60	100	PEC	
1903IT011	Information Management	3	0	0	3	40	60	100	PEC	
1903IT012	Software Architectures	3	0	0	3	40	60	100	PEC	
PROFESSIONAL ELECTIVE COURSE IV										
1903IT013	Enterprise Resource Planning	3	0	0	3	40	60	100	PEC	
1903IT014	Business Intelligence	3	0	0	3	40	60	100	PEC	

ATTESTED

[Signature]
Dr. S. RAMABALAN M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

1903IT015	Data Analytics	3	0	0	3	40	60	100	PEC
1903IT016	Social Network Analysis	3	0	0	3	40	60	100	PEC
PROFESSIONAL ELECTIVE COURSE V									
1903IT017	Human Computer Interaction	3	0	0	3	40	60	100	PEC
1903IT018	Blockchain Technologies	3	0	0	3	40	60	100	PEC
1903IT019	Game Programming	3	0	0	3	40	60	100	PEC
1903IT020	Deep Learning	3	0	0	3	40	60	100	PEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE I									
1901MGX04	Principles of Management	3	0	0	3	40	60	100	HSSEC
1901MGX05	Engineering Economics and Finance	3	0	0	3	40	60	100	HSSEC
1901MGX06	Human Resource Development in IT	3	0	0	3	40	60	100	HSSEC
1901MGX01	Total Quality Management	3	0	0	3	40	60	100	HSSEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE II									
1901HS001	Innovation & Entrepreneurship fundamentals	3	0	0	3	40	60	100	HSSEC
1901HS002	Intellectual Property Rights for Engineers	3	0	0	3	40	60	100	HSSEC
1901HS003	Startup Entrepreneurship	3	0	0	3	40	60	100	HSSEC
1901HS004	Business Model Innovation	3	0	0	3	40	60	100	HSSEC
HUMANITIES AND SOCIAL SCIENCE ELECTIVE III									
1901HS005	Social Entrepreneurship	3	0	0	3	40	60	100	HSSEC
1901HS006	Design Thinking for Innovation	3	0	0	3	40	60	100	HSSEC
1901HS007	Indian Patent Law & Patent Drafting	3	0	0	3	40	60	100	HSSEC
1901HS008	IP Management & Commercialization	3	0	0	3	40	60	100	HSSEC
ONE CREDIT COURSES									
1905IT001	Full Stack Developer	-	-	-	1	40	60	100	EEC
1905IT002	Devops	-	-	-	1	40	60	100	EEC
1905IT003	Angular JS	-	-	-	1	40	60	100	EEC
1905IT004	Sales force Trail Head	-	-	-	1	40	60	100	EEC
1905IT005	VMware Data Centre and Virtualization	-	-	-	1	40	60	100	EEC
1905IT006	R-Programming	-	-	-	1	40	60	100	EEC
1905IT007	EMC Cloud Infrastructure and Services	-	-	-	1	40	60	100	EEC
1905IT008	Amazon Web Services Cloud Computing Architect	-	-	-	1	40	60	100	EEC
1905IT009	Agriculture for Engineers	-	-	-	1	40	60	100	EEC
1905IT010	Mongo and Maria Db	-	-	-	1	40	60	100	EEC
1905IT011	Building Smart Cities	-	-	-	1	40	60	100	EEC
1905IT012	Industrial Safety for Engineers	-	-	-	1	40	60	100	EEC
1905IT013	Introduction to Fisheries Engineering	-	-	-	1	40	60	100	EEC
1905IT014	Political Science	-	-	-	1	40	60	100	EEC
1905IT015	Visual Communication	-	-	-	1	40	60	100	EEC

ATTESTED

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

Dr. S. MANIMONKAN
 Associate Professor and Head
 Chairman - Board of Studies
 Department of Information Technology
 E.G.S. Pillay Engineering College
 - Nagapattinam - 611 002.