

DEPARTMENT OF INFORMATION TECHNOLOGY

1st Board of Studies Meeting

Venue: Board Room

Date & Time: 16.12.2023 & 10.00 AM



ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

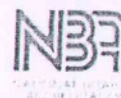
Accredited by NAAC with 'A' Grade & Accredited by NBA(Civil,CSE&EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsaalem.edu.in



INDEX

S. No.	Particulars	Page No
1	Circular - BoS	3
2	Attendance - BoS	4-5
3	Minutes of the Meeting	6-11
4	Curriculum (Semester I to VIII) - UG (CSE)	12-28
5	Syllabus (Semester I to VI) - UG (CSE)	29-203
6	Curriculum (Semester I to IV) - AI&DS	204-218
7	Syllabus (Semester I to IV) - AI&DS	219-259
8	Curriculum (Semester I to IV) - IT	260-283
9	Syllabus (Semester I to IV) - IT	284-331
10	Curriculum (Semester I to IV) – PG (CSE)	332-335
11	Syllabus (Semester I to IV) – PG (CSE)	336-471

ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)
2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsaalem.edu.in



AEC/CSE/IT/AI&DS/2023-2024/BOS

Date: 27.11.2023

CIRCULAR

The Fourth Board of Studies meeting of Computer Science and Engineering ,Information Technology,Artificial Intelligence and Data Science department has been scheduled under the chairmanship of Dr.T.Buvaneswari, Head of the Department, Department of Computer Science and Engineering of Annapoorana Engineering College at Board Room on 16th Dec 2023 at 10.00 am. All the Faculty Members are requested to attend the meeting to discuss the following agenda.

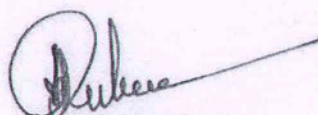
Agenda

1. Welcome note by Head of the Department
2. Introduction of the Members
3. Proposal for Curriculum and syllabi for the various academic programs


Dr.T.Buvaneswari
HoD/CSE

Copy to :

1. Director –Academics
2. Director-Administration
3. All HODs
4. All Faculty members
5. Main Notice Board
6. File


Dr.A.Anbuchejian
Principal

PRINCIPAL
Annapoorana Engineering College,
Autonomous
NH-47, Sankari Main Road,
Periya Seeragapadi, Salem-636 3008.





ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsale.edu.in



Minutes of Board of Studies Meeting on 16.12.2023

Members present:

S.No	Member	Position	Category	Signature
1	Dr.T.Buvaneswari	PROFESSOR/HOD	Chairman	
2	Dr.S.Nagarajan	Associate Professor, Department of Computer Science and Engineering, Government College of Engineering, Srirangam.	University Nominee	 16/12/23
3	Dr.J.Shiny Duella	Associate Professor, Department of Computer Science and Engineering, SRM Institute of Science and Technology, Chennai.	Academic Experts from outside the Parent University	ONLINE
4	Dr. T. Senthil Kumar	Associate Professor, Department of Computer Science and Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore.		
5	Mr.SP.Balamurugan	Co-Founder, GUVI	Industry Representative	
6	Mr. Selvakumar	TCS, IT Analyst, B'Angaloru.	Meritorious Alumnus	
7	Dr. O.Saravanan	Associate Professor	Senior Faculty Members	
8	Mr. T.P.Udhayasankar	Associate Professor		
9	Mr.M.Mailsamy	Associate Professor		
10	Mr. K.Thangadurai	Associate Professor		
11	Mrs.N.Radha	Associate Professor	Faculty Members	
12	Mr. T.Poornachandar	Associate Professor		



ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsalem.edu.in



13	Mr. A.Rameshkumar	Associate Professor	
14	Mr .C.Sukumar	Associate Professor	
15	Mrs.R.Umameswari	Associate Professor	
16	Mr. V.Saravanakumar	Associate Professor	
17	Mr.K. Venkatesh	ASSISTANT PROFESSOR	
18	Mrs.R.Sujitha	ASSISTANT PROFESSOR	
19	Mrs.M.Saranya	ASSISTANT PROFESSOR	
20	Mr.S.Siva	ASSISTANT PROFESSOR	
21	Mrs.G.Suganya	ASSISTANT PROFESSOR	
22	Mr.B.Gunasekar	ASSISTANT PROFESSOR	
23	Mrs.A.Saranyadurai	ASSISTANT PROFESSOR	



PRINCIPAL

PRINCIPAL

Annapoorana Engineering College,
Autonomous

NH-47, Sankari Main Road,
Periya Seeragapadi, Salem-636 3008.



ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsale.edu.in



MINUTES OF BOARD OF STUDIES MEETING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, IT AND AI&DS

DATE: 16.12.2023

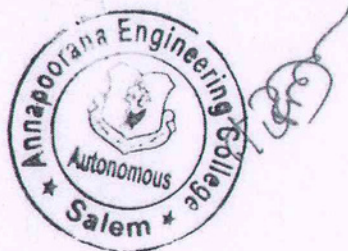
Board of Studies Meeting, Computer Science and Engineering, held at 10.00 am on 16th Dec 2023 (Saturday) at Board Room.

Chairman welcomed the members of the Board of Studies and explained about the history of the institution, Annapoorana Engineering College, Vision, Mission and the Quality policy of the College and the Department.

- The expert members were introduced and curriculum was presented by the Dr. T. Buvaneswari, Professor / HoD and Chairman of BOS. She further requested the expert members give due consideration to the local need while finalizing the curriculum and syllabi in exercise of autonomy. Meeting concluded with vote of thanks.

Computer Science and Engineering:

- Dr. S. Nagarajan proposed reducing total credits to 162 credit points.
- Dr. T. Senthil Kumar suggested adding HTML and CSS as value-added courses and promoting group activities for assessment.
- Dr. J. Shiny Duella recommended including complexity for both linear and nonlinear data structures in Semester III.
- Dr. T. Senthil Kumar, Academic Experts suggested to utilize the Apple Lab to enhance the Students Coding skills and Designing skills.





ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.accsalem.edu.in



- Mr. SP. Balamurugan suggested introducing Augmented Reality and Virtual Reality courses, along with setting up a lab with at least 10 computers for practical learning.
- Dr. T. Senthil Kumar suggested incorporating Mobile Computing as an integrated course in Semester V.
- Dr. S. Nagarajan suggested incorporating Object-Oriented Analysis and Design as an integrated course in Semester VI.
- Dr. T. Senthil Kumar proposed incorporating Full Stack Development as an integrated course in Semester VI.
- Dr. T. Senthil Kumar suggested exploring the possibility of offering online courses or certifications to complement the traditional classroom setting and cater to a wider audience.
- Mr.SP. Balamurugan suggested to change the mini project as Project Phase I and Project work in semester VIII as Project Phase II.
- Dr. S. Nagarajan suggested exploring collaborations with industry experts for guest lectures or workshops, providing students with insights into real-world applications.
- Mr.SP. Balamurugan suggested the students to form official project resource group based on the domain in Project Phase 2.





ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsaalem.edu.in



ARTIFICIAL INTELLIGENCE AND DATA SCIENCE:

- Dr.S. Nagarajan suggested that total credits can be between 162 to 165 credit points
- Dr. T. Senthil Kumar suggested to incorporate 70% of the courses as integrated.
- Dr.J. Shiny Duella suggested to include relevant Maths papers as AI 1 and AI 2.
- Dr. T. Senthil Kumar suggested incorporating coding competitions or hackathons as part of the curriculum to foster a competitive and collaborative spirit among students.
- Dr. S. Nagarajan proposed organizing regular industry visits to IT companies, enabling students to witness the application of theoretical knowledge in real-world settings
- Panel members verified the syllabus for Problem solving and Python Programming in I semester.
- Panel members verified the syllabus for C Programming in II semester
- Panel members verified the curriculum and syllabus for I and II semester



ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)
2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsaalem.edu.in



INFORMATION TECHNOLOGY:

- Dr. S. Nagarajan suggested exploring interdisciplinary courses, allowing IT students to gain insights from other domains like business, healthcare, or engineering.
- Dr. T. Senthil Kumar recommended integrating 70% of the courses to enhance communication-related subjects.
- Dr. T. Buvaneswari stressed the inclusion of soft skills training, such as effective communication and interpersonal skills, to enhance overall employability.
- Mr. SP. Balamurugan proposed creating a mentorship program, connecting students with industry professionals to provide guidance and insights into career development.
- The BOS Members discussed and approved the Academic alliance with IBM for Curriculum Integration through Joint Programs for Artificial Intelligence and Data Science, Computer Science and Engineering and Information Technology.
- The BOS Members approved the Value Added Course(ios app development)through Apple authorized training centre.





ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsaalem.edu.in



Meeting concluded with vote of thanks.

S. Nagarajan 16/12/23

Dr.S.Nagarajan
Anna University Nominee

online
Dr.J.Shiny Duella
Academic Expert

P. Selvakumar
Mr. Selvakumar
Meritorious Alumnus

Dr. A. Anbuchejian
Dr.A.Anbuchejian
Principal
PRINCIPAL

Annapoorana Engineering College,
Autonomous
NH-47, Sankari Main Road,
Periya Seeragapadi, Salem-636 3008.



Dr. T. Senthil Kumar

Dr. T. Senthil Kumar
Academic Expert

Mr. SP. Balamurugan
Mr.SP.Balamurugan
Industry Representative

Dr. T. Buvaneswari
Dr.T.Buvaneswari
Chairman BOS



ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

www.aecsale.edu.in



DEPARTMENT OF COMPUTR SCIENCE AND ENGINEERING , INFORMATION TECHNOLOGY, ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 3rd BOARD OF STUDIES MEETING

Venue : Board Room &

DATE:16.12.2023

