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ACADEMIC COUNCIL MEETING

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AEC/ACM/2024-25/C04

Date: 09.07.2024

CIRCULAR

The Academic Council Meeting of our College has been scheduled under the Chairmanship of Dr.A.Anbuchezian, Principal, Annapoorana Engineering College in Board Room on 12.07.2024 at 11.00 am. All the Academic Council members are requested to attend the meeting to discuss on the following agenda.

Agenda:

Agenda: 1: Welcome Note by the Principal

Agenda :2: To Review the Action Taken report of the previous Academic Council Meeting

Agenda: 3: To Review the Department BOS Meeting Minutes & approve the suggestions made by the members

Agenda: 4: To Review the Result Passing Board Meeting Minutes and Academic Results

Agenda: 5: To pursue the Academic Enrichments

Agenda: 6: To approve the Special courses (2024 – 2025)

Agenda: 7: To note & pursue the Research Activities since last meeting

Agenda: 8: To note the conduct of Events Agenda: 9: To note the Placement Records

Agenda: 10: To note the Infrastructural Facility Improvements

Agenda: 11: Any other matters, with the approval of the Chairman

6. Subhaashini
Dr.S.Subhashini

Director - Academics

Copy to:

1. Director – Administration

2. All Academic Council Members

3. Main Notice Board

4. File

Dr.A.Anbuchezian
Principal

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ACADEMIC COUNCIL MEMBERS: 2024-2025

S.No	Name Position		Category
1	Dr.A.Anbuchezian	Chairman	Principal
		Prof. & Head, Dept. of Bio-Technology,	
2	Dr.P.Suresh Kumar	University College of Engineering, BIT Campus,	-4
		Anna University, Tiruchirapalli	Anna University
3	Dr.P.Karpagavalli	Professor, Department of EEE, GCE, Salem	Nominee
4	Dr.R.Valarmathi	Prof. & Head, Dept. of ECE, Government College	
-	DI.N.Valarillatili	of Engineering (IRTT), Erode	
	Cart - E	Professor / Director, Centre for Materials Joining	Academic Expert
5	Dr. V.Balasubramaniam	& Research (CEMAJOR), Department of	
		Manufacturing Engineering, Annamalai Nagar, Chidambaram	
6		Dean, University College of Engineering, BIT	Academic Expert
No.	Dr.T.Senthilkumar	Campus, Anna University, Tiruchirapalli	Academic Expert
7	Mr.R.Sadhanandhavel	Littlemore Innovations Lab, Chennai	Industry Expert
8	Dr.S.Subhashini	Director - Academics	Member Secretary
9	Dr.S.Sukumar	Director - Research	Member
10	Dr.N.Nedunchezhian	HoD - Automobile	Member
11	Dr.R.S.Gandhimathi	HoD - Civil	Member
12	Dr.T.Buvaneswari	HoD - CSE	Member
13	Dr.B.Ramesh	HoD - ECE	Member
14	Dr.R.Venkatesh	HoD - EEE	Member
15	Dr.J.Shivakumar	HoD - Mechanical	Member
16	Dr.V.Anbazhagan	HoD - Chemistry	Member
17	Dr.R.Kumaravel	HoD - Physics	Member
18	Dr.A.Murugesan	ASP- Civil	Member
19	Mr.S.Karthick	AP - ECE	Member
20	Mr.S.Senthilkumar	AP - EEE	Member
21	Mr.M.P.Mohanraj	ASP - Mechanical	Member

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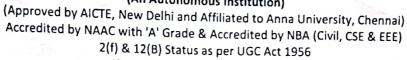
ATTENDANCE

Academic Council Meeting 2024-2025 of Annapoorana Engineering College held on 12.07.2024 at 11.00pm at Board Room

S.No	Name	Position	Category	Signature	
	Dr.A.Anbuchezian	Chairman	Principal	12/07	
2	Dr.P.Suresh Kumar	Prof. & Head, Dept. of Bio- Technology, University College of Engineering, BIT Campus, Anna University, Tiruchirapalli	A - University	10 12/2/24	
3	Dr.P.Karpagavalli	Professor, Department of EEE, GCE, Dharmapuri	Anna University Nominee	2000	
4	Dr.R.Valarmathi	Prof. & Head, Dept. of ECE, Government College of Engineering (IRTT), Erode		62m/12/7	
5	Dr. V.Balasubramaniam	Professor / Director, Centre for Materials Joining & Research (CEMAJOR), Department of Manufacturing Engineering, Annamalai Nagar, Chidambaram	Academic Expert	Vorte 1- 12/7/24	
6	Dr.T.Senthilkumar	Dean, University College of Engineering, BIT Campus, Anna University, Tiruchirapalli	Academic Expert	(1-800) or	
7	Mr.R.Sadhanandhavel	Littlemore Innovations Lab, Chennai	Industry Expert	R Soul hurgher	
8	Dr.S.Subhashini	Director - Academics	Member Secretary	5. Subhassin	
9	Dr.S.Sukumar	Director - Research	Member	For	
10	Dr.N.Nedunchezhian	HoD - Automobile	Member	X100117	



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11	Dr.R.S.Gandhimathi	HoD - Civil	Member	R.S. efithi
12	Dr.T.Buvaneswari	HoD - CSE	Member	1366711
13	Dr.B.Ramesh	HoD - ECE	Member	Deph!
	Dr.R.Venkatesh	HoD - EEE	Member	Johnson
15	Dr.J.Shivakumar	HoD - Mechanical	Member	J. Sivatowi.
16	Dr.V.Anbazhagan	HoD - Chemistry	Member	V. M. 62/7/2
17	Dr.R.Kumaravel	HoD - Physics	Member	&hr/1217
18	Dr.A.Murugesan	ASP- Civil	Member	Mw/277
9	Mr.S.Karthick	AP - ECE	Member	Start
20	Mr.S.Senthilkumar	AP - EEE	Member	(0000)
21	Mr.M.P.Mohanraj	ASP - Mechanical	Member	(M) cm)



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MINUTES OF THE ACADEMIC COUNCIL MEETING – 12.07.2024 (Friday)

Minutes of the Academic Council Meeting of Annapoorana Engineering College for the Academic year 2024-25 held at 11.00 Am on 12.07.2024 in Board Room.

Agenda 1: Welcome note by the Principal

• The Principal and Chairman welcomed the Academic Council Members and made a presentation on points relating to the meeting agenda.

Agenda 2: To Review the Action Taken Report of the previous Academic Council Meeting

Resolution 2:

• The Action Taken Report of the Previous Academic Council Meeting held on 31.01.2024 is placed before the Academic Council, incorporating the suggestions and observations of the members, duly rectified, and the details of the actions initiated thereon.

Agenda :3: To Review the Department BOS Meeting Minutes & approve the suggestions made by the members

3.1: Automobile Engineering:

Agenda:

The members suggested:

- To Consider Hydrogen production, storage and distribution oriented syllabus course
- To include the Electrical Vehicle Laboratory if possible.
- To add embedded system and MATlab courses for better placements.
- To change if possible, the course "Electrical Two and Three wheelers" as "Electrical Vehicle" with syllabus modification.

Resolution:

The Academic Council approved the BOS Meeting Minutes of Automobile Engineering

3.2: Civil Engineering:

Agenda:

The Committee members proposed in:

• Structural Analysis I: Unit-IV and Unit-V Static and Kinematic in determinacy were restricted to 3 x 3 matrix.



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- Concrete Technology: To add Self-Healing concrete, Bacterial Concrete, 3D-Printing Concretes in Unit-V Special Concrete also change textbook Gupta.B.L as reference and Gambir.M.L as textbook.
- STAAD Pro Level 1: To add Bentley manual in references.
- STADD Pro Level 2: To remove Introduction to STAAD and add design of Silo or Chimney.
- Irrigation Engineering: To add introduction to contour canal and Participation of NGO's in Unit-V.

Resolution:

• The Academic Council approved the BOS Meeting Minutes of Civil Engineering and the suggestion made by the BOS members in STAAD Pro – Level 1 to add Bentley Manual is approved and ratified.

3.3 : Computer Science & Engineering:

Agenda:

The BoS Members:

- Recommended replacing the Computer Graphics course with a Java Programming course in the fifth semester.
- Proposed adding a Mobile App Development (Android/iOS) course in the fifth semester and recommended replacing the Distributed Computing course in the sixth semester with Theory of Computation.

3.4. Artificial Intelligence and Data Science

Agenda:

The BoS Members:

- Suggested including Discrete Mathematics in the third semester for the Artificial Intelligence and Data Science department to provide a strong mathematical foundation necessary for advanced topics in these fields
- Suggested including AI tools in the curriculum

3.5: Information Technology

Agenda:

The BoS Members:

- Recommended replacing the Digital Logic Design and Microprocessor and Microcontroller courses with a single course, Digital Principles and Computer Organization.
- Proposed adding a mathematics paper in the fourth semester, aiming to strengthen students' foundational mathematical skills.



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Resolution:

 The Academic Council approved the BOS Meeting Minutes of Computer Science & Engineering, Artificial Intelligence & Data Science and Information Technology and approved the conduct of Mobile App Development Courses through George Academy and the conduct of IBM Joint Program for the upcoming years.

3.6: Electronics & Communication Engineering

Agenda:

The academic experts:

- Suggested increasing the subjects in verticals.
- Recommended to check the credit points for Industrial training and Internship
- Suggested Projects can be done by individually for placed students and in groups by others.

Resolution:

 The Academic Council approved the BOS Meeting Minutes of Electronics & Communication Engineering and regarding the suggestions made by the BOS Members to increase the subjects in verticals, the Academic Council insisted and approved to follow Uniform 7 Verticals.

3.7: Bio-Medical Engineering

Agenda:

The experts suggested:

- To add diode applications, clipper, clamper and rectifier in first unit of Electronic Devices and Circuits.
- To remove digital logic design circuit in Semester 4 and include bio mechanics
- That all text books should be the latest edition
- Recommendations were given for the removal of IC Fabrication in Analog and Digital Circuits.

Resolution:

The Academic Council approved the BOS Meeting Minutes of Bio-Medical Engineering.

3.8: Electrical & Electronics Engineering:

Agenda

The Committee suggested to include the topic in following Courses:



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22EE701-HIGH VOLTAGE ENGINEERING						
Unit-III Generation of H	ligh Voltage and High Current					
Existing	Suggestions					
Generation of High	Generation of High Direct Current Voltage - Rectifiers, Voltage Multipliers,					
DC, AC, Impulse	Vandi-Graff generator - Generation of High Impulse Voltage - Single and					
Voltage and currents -	Multistage Marx circuits - Generation of High Alternating Current Voltage-					
Triggering and control	Cascade Transformer, Resonant Transformer and Tesla coil - Generation of					
of Impulse generators	Switching surges - Generation of Impulse Current-Triggering and control of					
	Impulse generators					

Resolution:

• The Academic Council approved the BOS Meeting Minutes of Electrical & Electronics Engineering

3.9: Mechanical Engineering:

Agenda:

The BoS members suggested:

- To include MAT Lab courses for the betterment placement for students.
- To include Hydrogen Production, Storage and Distribution oriented courses in our curriculum.

Resolution:

 The Academic Council approved the BOS Meeting Minutes of Mechanical Engineering and suggested to consider Hydrogen Production, Storage and Distribution as One unit in the existing curriculum

3.10: Science and Humanities:

Agenda:

The BoS members suggested:

- For Professional English-I, years of publication in the reference section to be added.
- Recently published books may be added for reference to enhance students' skill development



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Resolution:

 The Academic Council approved the BOS Meeting Minutes and suggested to include and follow E- Books for reference.

Agenda: 4: To Review the Result Passing Board Meeting Minutes and Academic Results

4.1. Abstracts of Result Passing Board Meeting

- Dr.R.Dillibabu, Professor, Department of Industrial Engineering, CEG, Anna University, Chennai was the Anna University Nominee for the meeting
- Result Passing Board Meeting for UG 5th & 7th Semesters was held on 17.02.2024
- Result Passing Board Meeting for UG 1st & 3rd semester and PG 1st & 3rd Semesters were held on 25.03.2024
- The Board approved the Examination results and also gave approval for result publication and the Results of the End Semester Nov./Dec.-2023 were published on 19.02.2024 (B.E.-III Year and IV Year), 25.03.2024 (B.E. & M.E.-I Year and II Year)
- No moderation were proposed by the institution, the same was accepted

Resolution:

 The Academic Council noted the abstracts of the Result Passing Board meeting held on 17.02.2024 & 25.03.2024

4.2: Academic Results for the November / December 2023 Examinations

B.E. AUTOMOBILE ENGINEERING					
Semester	ı	Ш	V	VII	
Registered	35	65	59	54	
Appeared	35	63	59	53	
Passed	8	42	34	30	
Pass %	22.08	67	58	56.6	

B.E. CIVIL ENGINEERING					
Semester	1	Ш	V	VII	
Registered	11	64	46	55	
Appeared	11	59	46	55	
Passed	9	43	33	35	
Pass %	81.08	72	72	64	

B.E. COMPUTER SCIENCE & ENGINEERING					
Semester	I	III	٧	VII	
Registered	58	66	62	59	
Appeared	58	62	59	54	
Passed	40	47	57	45	
Pass %	68	75	96	83.33	

B.E. ELECTRONICS & COMMUNICATION ENGINEERING					
Semester	I	III	V	VII	
Registered	60	65	63	22	
Appeared	60	61	57	20	
Passed	29	44	36	13	
Pass %	48	72	63	65	



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B.E. ELECTRICAL & ELECTRONICS ENGINEERING					
Semester	1	Ш	V	VII	
Registered	45	66	61	55	
Appeared	45	64	55	46	
Passed	23	44	42	34	
Pass %	50	68	76	73	

B.E. MECHANICAL ENGINEERING					
Semester	I	Ш	V	VII	
Registered	43	66	56	61	
Appeared	43	60	53	59	
Passed	11	41	31	38	
Pass %	25.5	68	58	64	

M.E. COMPUTER SCIENCE & ENGINEERING					
Semester I III					
Registered	16	11			
Appeared	16	11			
Passed	11	8			
Pass %	68.7	72.7			

M.E. POWER ELECTRONICS & DRIVES				
Semester I III				
Registered	09	02		
Appeared	09	02		
Passed	7	2		
Pass %	78	100		

B.E. BIO MEDICAL		
ENGINEERING		
Semester I		
Registered	59	
Appeared	59	
Passed	44	
Pass %	74.5	

B.TECH. ARTIFICIAL INTELLIGENCE & DATA SCIENCE			
Semester I			
Registered	60		
Appeared	60		
Passed	43		
Pass %	71		

B.TECH. INFORMATION TECHNOLOGY			
Semester	1		
Registered	60		
Appeared	60		
Passed	44		
Pass %	73		

Resolution:

The overall Academic results of the end semester examinations held on the November / December 2023, published through Result Passing Board for UG and PG were reviewed in detail and approved by the Academic council.

Agenda: 5: To pursue the Academic Enrichments

5.1: Through Academia Collaboration:

❖ Established Center of Excellence for the Data Base Course Mango – DB through ICT Academy



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- Established Center of Excellence for Auto Desk through ICT Academy
- ❖ Academic Alliance with Ui Path Robotic Process Automation Center of Excellence (COE) through ICT Academy

5.2 : Through MOUs:

Sl.No.	MoU signed Company / Institution	Purpose	
1.	iTNT Foundation (Tamilnadu	Innovations Network Program such as	
	Technology Hub)	Workshop, Research Project, Training	
		program, entrepreneurial activities and	
		Innovations Network platform	
2.	Chipware Technologies Pvt. Ltd	Training Program based on VLSI	
3.	IBM India Pvt. Ltd	Value added courses & Joint program	
4.	Hire Mee and User	Placement & Training	
5.	Blue Print	Designing , Planning & Survey Training	
6.	Palle Technolgies	Placement & Internship	
7.	Skillablers Technologies Pvt. Ltd	Skill Enhancement	
8.	Confido Training and events Pvt. Ltd	Soft Skill Training	
9.	Algojaxon Global Soft Pvt. Ltd	Technical Training	
10.	Asset Society	Technical Placement Training	

Resolution:

 The Academic Council noted and approved the Academia Enrichments made by the Institution through Academic Collaborations and Signing MoUs with Companies and Institutions for various purposes.

Agenda: 6: To approve the Special courses (2024 – 2025)

6.1: Value Added Courses

Sl.No	Name of the course	Organizing	
		Department	
1.	Motivational Training		
2.	Leadership Training Automobi		
3.	Personality Development		
4.	Employability Enhancement Training	Civil	
5.	DevOps	CSE	



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6.	Mongo DB		
7.	Mobile App Development (Android/iOS)		
8.	Campus Recruitment Training	ГСГ	
9. Entrepreneurship Development Program		ECE	
10.	Aptitude Training		
11. Soft Skill Training		EEE	
12.	12. Yoga and Meditation		
13.	Campus to Corporate Training	Machanical	
14.	Time management	Mechanical	

6.2 : Certificate Courses

Sl.No	Name of the course	Organizing Department
1.	PM and Nox control techniques	Automobile
2.	Automotive HMI	
3.	Geometric Dimensioning and Tolerancing	
4.	Revit	
5.	Auto Cadd	Civil
6.	STAAD PRO	
7.	Data Analysis with Excel	CSE
8.	C++ for Beginners	CSE
9.	VHDL modeling in VLSI Design	
10.	Image Processing Using Matlab	ECE
11.	MATLAB	
12.	Electrical CAD	
13.	Programmable Logic Controller	EEE
14.	VHDL modeling in VLSI Design	
15.	Engine Dismantling & Assembly	
16.	Industrial fire & safety	Mechanical
17.	Air-conditioning and refrigeration system	

Resolution:

- The Academic Council Members noted & approved the conduct of Value added courses and suggested to include AI in Drug Designing course as Value Added Course
- The Academic Council Members noted & approved the conduct of Certificate courses and suggested replacing STAAD Pro with Ansys or E-Tabs in the Certificate Courses list



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Agenda: 7: To note & pursue the Research Activities since last meeting

7.1: PH.D. Completions

Agenda

S.No	Name	Department	Date of completion
1	Dr.P.Periyannan	Physics	07.02.2024
2	Dr.M.Nithyanandham	English	11.10.2023

Resolution

• The Academic Council members appreciated the faculty members for Ph.D completition and recommended the Chairman to give the Appreciation Letter.

7.2 : Ph	7.2 : Ph.D Pursuing & Registered					
S.No	Name	Department	S.No	Name	Department	
1.	Mr.C.Arivazhagan		11.	Mr.S.Karthick		
2.	Mr.S.Paulraj	Automobile	12.	Mr.Justin Joseph		
3.	Mr.B.Prabu	Automobile	13.	Mr.R.Arul	ECE	
				Arumugam		
4.	Mr.K.Thangadurai		14.	Mr.C.Santhosh		
5.	Mr.T.P.Udhayasankar		15.	Mr.L.Gnanaprakash		
6.	Mr.T.Poornachandran		16.	Mrs.M.Praba		
7.	Mrs.R.Suchitha	CSE	17.	Mrs.P.Ganga	EEE	
8.	Mrs.G.Suganya		18.	Mrs.T.Muthamil		
9.	Mrs.A.Saranyadurai		19.	Mrs.A.Sowmya		
10.	Mrs.M.Saranya		20.	Ms.R.Sripriya	English	
			21.	Mrs.E.Tamilselvi	Physics	

Resolution 7.2

 The Academic Council Members noted & approved the Faculty Members for have freshly registered for Ph.D.



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7.3: Government Funds Received

- 1. MSME Idea Hackathon 3.0 2023 : "AI-Enabled Highway Safety Device Informing Guardians in Critical Situations to Prevent Accidents and Highway Hijackings" Rs.8,05,000/-
- 2. Naan Mudhalvan Project Funding: Niral Project Hackathon

S.No	Project Title	Dept.	Amount Recd. (Rs)
1.	Investigation of Advanced Driver Assistance Systems (ADAS) For Enhanced Vehicle Safety	Auto	10,000
2.	A Field Scale Production of Organic Manure for Sustainable Agriculture	Civil	10,000
3.	AI-Powered Vegetables Harvester: Revolutionizing Agriculture Through Precision And Efficiency	CSE	10,000
4.	Switched Capacitor Llc-Dcx Multilevel Converter With Integrated Filter	EEE	10,000

Resolution 7.3

The Academic Council Members noted and appreciated the Government Funds
 Received and insisted that more funds need to be generated.

7.4: R & D Center Applied

❖ Registration of Research & Development Center with Center of Research by the Department of Mechanical Engineering 08.12.2023 : Online Inspection completed on 21.03.2024 and Awaiting Results

Resolution 7.4

 The Academic Council Members noted and approved the Registration of Research & Development Center with Center of Research by the Department of Mechanical Engineering



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7.5: Patent Granted

- 1. Prefabricated Plastic Panels for Road Constructions 08.11.2023
- 2. Rain water storage cum Interlocking Brick 16.11.2023
- 3. Construction Material Testing Machine 11.10.2023
- 4. Machine Learning Based Fruit Grading Machine 15.11.2023

Resolution 7.5

• The Academic Council members appreciated the Patent Grants and recommended the Chairman to give the Appreciation Letter

Agenda: 8: To note the conduct of Events

Number of Quality Enhancement Events conducted by the Departments: 69 No's.

Few to mention are:

- ❖ 3rd International Conference on Building a Sustainable Future with Recent Trends in Science and Technology − 2024 (ICOST-2024) on March 22 & 23, 2024
- ❖ Annual Day & Sports Day were conducted on 16 & 17/04/2023
- ❖ Alumni Meet 2023-24 26.05.2024
- ❖ Even semester classes for the Academic Year 2023-24 began for 3rd & 4thyear students on 05.01.2024 and 2nd Year on 12.02.2024 and 1st year on 04.03.2024
- ❖ International Yoga Day 21.06.2024
- ❖ National Level Technical Symposium "CASTILO":04.04.2024
- ❖ National Science Day "Sci-Festiva 2024" : 26.03.2024
- ❖ Inauguration of Science Club: 26.04.2024



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- FDP on Data Analytics Using Python 25.6.2024 29.06.2024
- Training Program on UI Path-Robotic Process automation SCP Training- ICT Academy -23.1.2024 - 19.2.2024
- Placement Training Program on Employability Skill Training Program ICT Academy 22.1.2024 -14.2.2024

Resolution 8

 The Academic Council members noted and approved the conduct of Events and appreciated the conduct of "3rd International Conference on Building a Sustainable Future with Recent Trends in Science and Technology – 2024 (ICOST-2024)" in a successful manner and motivated to conduct more such events in the forth coming years.

Agenda: 9: To note the Placement Records

AEC Placement Record: Companies Visited and Student Placements					
Year No. of Co., Visited No. of Students Placed % .of Students Placed					
2023-2024	21	291	268	92.1%	
2022-2023	15	103	92	90%	

Resolution 9

 The Academic Council members noted and approved the Placement Records of the college.

Agenda: 10: To note the Infrastructural Facility Improvements

10.1: Completed

Established Vehicle Maintenance Lab with 4D Wheel Alignment Machine, NT 702 Digital Wheel Balancer and NT 622 Tyre Changer



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Established of Bio-Medical & Bio-Sciences Laboratory

- Established Advanced Materials Research Laboratory (AMRL)
- Enhanced Incubation Center with Bambu Lab XIE- D Printer
- Established Apple Authorized Training Centre
- Installed ICT Tools in all Class Rooms
- Purchased Biomedical Lab Equipments
- Purchased 100 New Computer systems
- Purchased New Furnitures (Benches & Desks) for the Class Rooms

10.2 : Project under Progress

- Renovation of Seminar Hall
- Construction of additional Boys & Girls Hostel

Resolution 10

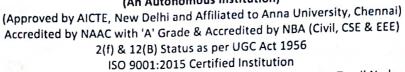
The Academic Council members noted and approved the Infrastructural Facility
 Improvements made by the college.

Agenda: 11: Any other matters, with the approval of the Chairman:

- Suggested to register the faculty publications in the INIRS SITE
- The Academic Council Members suggested to include Faculty achievements and Students achievements in the next Academic Council Meeting presentation.
- The Academic Council Members suggested to include Faculty Journal Publications also in the next Academic Council Meeting presentation.



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Meeting concluded with vote of thanks by Dr.R. Venkatesh, Vice Principal.

Dr.P.Suresh Kumar

Anna University Nominee

Dr.P.Karpagavalli

Anna University Nominee

Dr.R. Valarmathi

Anna University Nominee

112/4/24

Dr. V.Balasubramaniam

Academic Expert

Dr. T. Senthilkumar

Academic Expert \ 2.7.2024

of the highest happy

Mr.R.Sadhanandhavel Industry Expert

Chairman - AC

Dr.A.Anbuchezian

Principal

PRINCIPAL
Annapoorana Engineering College.

Autonomous NH-47, Sankari Main Road, Periya Seeragapadi, Salem-636 308.

