PSN COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
Approved by AICTE, Recognized by UGC under section 2(f) & 12 (B)
An ISO 9001:2015 Certified Institution Accredited by NAAC with A+
Melathediyoor, Tirunelveli - 627 152

ACTION PLAN AY 2025-2026- ODD SEMESTER

DEPARTMENT OF BIO MEDICAL ENGINEERING

1	Workload –AY 2025-26 ODD SEMSTER						
	S.No	Name of the Faculty with Designation	Subject Allotted	No.of Hours per week	UG/PG	Year/Branch	Semester
	1	Dr.B.Shoba, Professor & Head /BME	EC630202-Signals and Systems	4	UG	II/BME	III
			EC630203- Digital Electronics (NPTEL)	4	UG	II/BME	III
	2	Mrs.M.Chitra, Assistant Professor/BME	M630402 - Universal Human Values	2	UG	II/BME	III
			BM630501 - Integrated Aptitude Skills - I (Lower)	1	UG	II/BME	III
2	VALUE ADDED COURSES (Three VAC Mandatory per Semester)						
	S.NO	Title of the course	Title of the course	Proposed Date	Student Year (I/II/III/IV)		
	1	AI in Bio Medical Applications (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	AI in Bio Medical Applications	18.08.2025	II		
3	INDUSTRIAL VISIT (Minimum One Per Semester)						
	S.NO	Year of student	Place of Visit	Name of the Industry	Work Domain of the Industry (Manufacturing/Design/ Software)	Proposed Date	
	1.	II (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Bangalore	Cloud nine Hospital	Modern Biomedical Equipments	25.08.2025	
4	TOUR (Optional as per the willingness of the students)						
	S.NO	Year of student	Place of Visit		Proposed Date		
	1.	II (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Bangalore		26.08.2025		
5	EXTENSIONACTIVITY (Minimum One Per Semester)						
	S.NO	Name of the Activity	Theme of Visit	Village Name	Proposed Date		
	1.	Awareness program on various Govt. Schemes (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Providing awareness	Sengalakurichi	22.07.2025		

6	**OUTREACH ACTIVITY (Minimum One Activity Per Semester)**		
S.NO	**Name of the Activity (Book donation, Literacy improvement, Blood donation,..)**	**Beneficial Persons**	**Proposed Date**
1.	Awareness on Outcome Based Education (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Parents	11.08.2025

7	**FACULTY DEVELOPMENT PROGRAM (Online Participation Per Semester per Faculty, Minimum Five Days FDP Mandatory) Preferably in IIT,NIT,NITTR Chennai, ATAL Scheme**			
S.NO	**Name of the faculty**	**Title of the FDP**	**Organizing Institute**	**Proposed Date**
1	Dr.B.Shoba, Professor & Head/BME	AI applications in Medicine	-	-
2	Mrs.M.Chitra, Assistant Professor/BME	AI applications in Medicine	-	-

8	**FACULTY DEVELOPMENT PROGRAM (Physical Participation, Minimum Five Days FDP Mandatory one Semester per Faculty)**			
S.NO	**Name of the faculty**	**Title of the FDP**	**Organizing Institute**	**Proposed Date**
1	Dr.B.Shoba, Professor & Head/BME	Recent Trends in Biomedical applications	-	-
2	Mrs.M.Chitra, Assistant Professor/BME	Recent Trends in Biomedical applications	-	-

9	**ORGANISING FACULTY DEVELOPMENT PROGRAM (One FDP Mandatory Per Semester)**			
S.NO	**Title of the FDP**	**Resource person**	**Target Audience**	**Proposed Date**
1	6 Day ATAL online FDP on Contemporary AI, ML and Data science Approaches for Healthcare and Medical Technology: Exploring Transformative Innovations. (Co Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Academicians and Industry Persons	Faculty, PG scholars from other Colleges and PSNCET	10.11.2025 to15.11.2025

10	**ORGANISING WORKSHOP WITH HANDS ON TRAINING (One Workshop Mandatory Per Semester)Not Mandatory for our Students**			
S.NO	**Title of the Workshop**	**Resource person**	**Target Audience**	**Proposed Date**
1.	Design of Surgical Robots (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Er. Arunan, Managing Director, EX-OR Robotics PVT LTD, Pondicherry.	II Year students	15.10.2025

11	**RESEARCH WORKSHOP (One Research workshop Mandatory Per Semester) Topic Should be very Specific**			
S.NO	**Title of the Workshop**	**Resource person**	**Target Audience**	**Proposed Date**
1.	Intellectual Property Rights (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Dr.Parimala	Faculty from other Colleges and PSNCET	30.10.2025

12	**NATIONAL/INTERNATIONAL SEMINAR/WORKSHOP -PG DEPARTMENT (Mandatory per Semester)**				
S.NO	**Title of the Workshop**	**Major Area**	**Expected no of Participants**	**Whether going to applied for Grant**	**Proposed Date**
1.	-				

13	ORGANISING INTERNATIONAL CONFERENCE (Mandatory Per Year)			

S.NO	Title of the Conference	Online/Offline	Proposed Date
1	International Conference of Artificial Intelligence and Agri Tech Revolution, (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	Hybrid	24.10.2025

14	PUBLICATION AND PATENT -PER YEAR (Mandatory (Phd Faculty Members -3;PG- 2 ; Patent -1))

S.NO	Name of the Faculty Members	Publication Target	No of Papers can Published in next one year	Patent Target	No of Patents to be Registered
1	Dr.B.Shoba, Professor & Head/BME	5	5	1	1
2	Mrs.M.Chitra, Assistant Professor/BME	2	2	1	1

15	CONSULTANCY PROJECTS/TESTING -PER YEAR (Mandatory (Ph.D Faculty Members-Rs 10000 Per year ;PG- Rs 5000 Per Year))**Offering Testing Services to the Students/Public / Transport**

S.NO	Name of the Faculty Members	Type of Consultancy Work/Testing	Funding Amount	Remarks
1	Dr.B.Shoba, Professor & Head/BME	Work	10,000	
2	Mrs.M.Chitra, Assistant Professor/BME	Work	5,000	

16	ALUMNI INTERACTION (Minimum One per Semester)

S.NO	Name of the Alumni with Batch	Title of the Presentation	Proposed Date
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17	NEW MOU'S /PRESENT SIGNED MOU ACTIVITIES (Mandatory (2 Per Year))

S.NO	New/ Exsting	Type of Activity (IV/Internship/ workshop)	Name of the company	Proposed Date
1.	New	Internship (Co-ordinator: Mrs.M.Chitra, Assistant Professor/BME)	Aatheenapandian PVT LTD	21.07.2025
2.	New	Workshop (Co-ordinator: Mrs.M.Chitra, Assistant Professor/BME)	Aries Biomed Technology PVT LTD	25.08.2025

18	Spoken Tutorial (Registered and received certificate, one per semester per student)

S.NO	Spoken Tutorial Course name	No of students to be registered in this upcoming semester	Possibility of getting certificate from IIT Bombay
1	Arduino (Co-ordinator: Mrs.M.Chitra, Assistant Professor/BME)	16	Yes

19	NPTEL/SWAYAM/SWAYAM PLUS (one course per semester)

S.NO	Course Name	No of students to be registered in this upcoming semester	Whether received certificate
1.	Digital Circuits (Co-ordinator : Dr.B.Shoba, Professor & Head/BME)	16	Will receive

20	Domain Specific Seminar on Government /Public Sector/Opportunities (One per semester)

S.NO	Title of the program	Name of the Domain	Proposed Date	Total no of students participated
1	Banking Exams (Co-ordinator: Mrs.M.Chitra, Assistant Professor/BME)	Data Sufficiency	6.08.2025	16

21	**LIFE SKILL PROGRAM (one per student per semester)**			
	(Yoga,Swimming, Trecking, Fire Safety Awareness)			
	S.NO	**Title of the Program**	**Target Audience**	**Proposed Date**
	1.	Yoga (Dr.B.Shoba, Professor & Head/BME)	16	30.06.2025

22	**SEMINAR ON INTELLECTUAL PROPERTY RIGHTS (one per Semester)**				
	S.NO	**Title of the Program**	**Resourse Person/ Agency**	**Target Audience**	**Proposed Date**
	1.	Patent filing (Dr.B.Shoba, Professor & Head/BME)	Dr. Amirdha Shergill, Dean / Research, PSNCET	II BME	22.08.2025

23	**PARENTS TEACHERS MEETING (one per Semester)**			
	S.NO	**Year of the student**	**No of Students' Parents**	**Proposed Date**
	1.	II Year – BME	17	16.09.2025

24	**PROFESSIONAL BODY ACTIVITY (3 Events per Semester)**			
	S.NO	**Name of the Professional Body**	**Title of the Event**	**Proposed Date**
	1	BMESI	Inauguration with seminar	26.07.2025
	2	BMESI	Paper Presentation Competition	18.08.2025
	3	BMESI (Dr.B.Shoba, Professor & Head/BME)	Technical Quiz	21.09.2025

25	**GUEST LECTURE ((3 Events per Semester).Experts should be from Industries)**			
	S.NO	**Title of the Program**	**Resourse Person Details**	**Proposed Date**
	1	Technological Advancements in Medical Treatments (Dr.B.Shoba, Professor & Head/BME)	Er.D.Ashok Kumar, Senior Executive Biomedical Engineer, Cloudnine Hospitals, Bangalore.	26.07.2025
	2	Enhancement of Career Growth (Dr.B.Shoba, Professor & Head/BME)	Dr.Kalpana Shanmugam, Senior Manager, IT solutions, L&T Edutech Chennai, Tamilnadu.	19.08.2025
	3	Artificial Intelligence and Machine Learning for Medical Applications (Dr.B.Shoba, Professor & Head/BME)	Dr.B.Lakshmi Priya, ASP/School of Engineering, JNU, New Delhi.	10.09.2025

26	**LIST OF COMPANIES TO BE IDENTIFIED/COLLABORATED FOR PLACEMENTS**				
	S.No.	**Name of the Company**	**Name of the HR**	**Mail Id**	**Contact Number**
	1.	Atheenapandian PVT LTD	Dr.S.Atheena Milagi Pandian, CEO	ceo@atheenapandian.com	+91 7502599891
	2.	Cloudnine Hospitals	Er.D. Ashok Kumar	ashokevi@gmail.com	+91 8754173344

27	**Any Other Plans to Develop the Department/Improving studies of students/ Improving Placement**
	To work towards 100 percentage Placement. We have planned to do innovative biomedical projects and apply for any conference or Journal or patent.

Signature of HOD   **Recommended by IQAC Coordinator**   **Approved by Principal**