

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

Department of Electronics and Communication Engineering Attainment of Program Outcomes (POs) of 2018 - 2020 batch (IARE-R18)

Subject Code			P02	PO3	P04	P05	P06
BESB01	Embedded System Design			2.70	2.70		2.70
BESB02	Micro Controllers and Programmable Digital Signal Processing	2.00		1.80	2.20		
BESB03	Wireless LAN and Pans	1.10	1.10	0.50	1.20		1.10
BESB06	Principles of Distributed Embedded Systems			2.10	2.10		
BESB09	9 Embedded Programming Laboratory			3.00	3.00	3.00	3.00
BESB10	ESB10 Microcontrollers and Programmable Digital Signal Processors Laboratory			2.70	2.70		
BESB11	SB11 Embedded System Architecture			1.10	1.00		1.10
BESB12	Internet of Things	1.60	2.00	1.90			
BESB14	Embedded Wireless Sensor Networks	2.20	2.10	2.30	2.10	2.70	
BESB16	Microcontrollers for Embedded System Design	2.20		1.90	2.40		
BESB19	Embedded Systems Laboratory	1.30		1.30		1.30	
BESB20	Internet of Things Laboratory	2.10		2.10	2.10		
BESB21	Mini Project with Seminar	2.40	2.40	2.40	2.40	2.40	2.40
BESB22	Embedded Real Time Operating Systems	1.80	2.60	2.90	2.10	2.40	1.90
BCSB30	Waste to Energy	2.90	2.40	2.40		2.90	2.10
BCSB31	Research Methodology & IPR	2.20	2.20				2.50
BESB40	BESB40 Phase - I Dissertation		3.00	3.00	3.00	3.00	3.00
	Direct Attainment Value			2.1	2.2	2.5	2.2

Overall Attainment

S No.	Assessment Component(Direct + Indirect)	Program Outcomes						
		PO1	PO2	PO3	PO4	PO5	PO6	
1.	Direct Assessment (CIA + SEE + Course End Survey) (a)	2.2	2.2	2.1	2.2	2.5	2.2	
2.	Student Program exit surveys (b)	2.6	2.8	2.6	2.2	2.7	2.6	
3.	Employer surveys (c)	2.6	2.6	2.2	2.7	2.3	2.3	
4.	4. Alumni Survey (d)		2.3	2.6	2.5	2.6	2.5	
Overall attainment = $a*0.8 + b*0.1 + c*0.05 + d*0.05$			2.3	2.2	2.2	2.5	2.3	

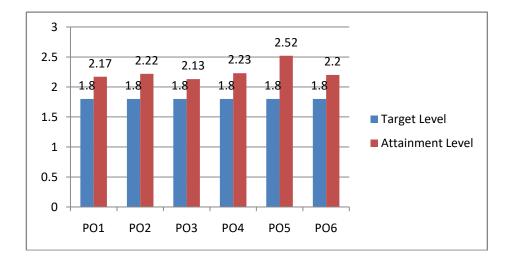
	Table: POs Attainment Levels and Actions for improvement						
POs	Target Level	Attainment Level	Observations				
PO1:	Independently carry out resea	arch / investigation and development worl	to solve practical problems.				
PO1	1.8	2.17	Target is achieved. The following actions were taken to enhance the target level.				
AdMiTh	Iditional research facilities, gr ini projects related to advance te program has made it manda	initiated to enhance the PO1 attainment le radually making a significant contribution ed topics in the area of Embedded domain atory to publish a paper related to the domain ature and courses in lifelong learning	for better attainment of PO1. will enhance the attainment				
PO2:	Write and present a substanti	al technical report / document.					
PO2	1.8	2.22	Target is achieved. The following actions were taken to enhance the target level.				
MithePO3:	ini Project with seminar was in technical report/document Demonstrate a degree of ma	writing skills.	ect. ed curriculum. This has enabled students to improve tion of the program. The mastery should be at a level of				
PO3	1.8	2.13	Target is achieved. The following actions were taken to enhance the target level.				
UsImThPO4:	sing modern tools in the labor aproving curriculum by introduce elective courses provide broaden Apply the skills and knowled	initiated to enhance the PO3 attainment leatory, such as MATLAB, Keil, enhances ucing topics related to research. Eadth of experience in the area of embedding needed to serve as a professional engal electronics and signal processing applications.	the demonstration levels of the program. ed systems and its realtime applications. gineer skilful at designing embedded systems for effective cations				
PO4	1.8	2.23	Target is achieved. The following actions were taken to enhance the target level.				
EnNeStu	ariched the curriculum by incl ew labs have been introduced adents are encouraged to carr	y the mini projects in the multi domain ar	ols like PSOC simulator, Keil and MATLAB.				
PO5	1.8	2.52	Target is achieved. The following actions wer taken to enhance the target level.				
• So	me course coordinators introduction me course coordinators introduction me course in PC		evel: urses, for which students had to work independently. This				

taken to enhance the target level. The following measures have been initiated to enhance the PO6 attainment level:

- Students were motivated to do the research in advanced areas in premier institution
- Students were motivated to take up NPTEL certification courses.

1.8

PO6



2.20



Target is achieved. The following actions were