



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru - 560064

Department of Electronics and Telecommunication Engineering OPEN COURSE REPORT (2021-2022) June 13-17, 2022

Department: Electronics and Telecommunication Engineering		
Title of the Open Course		PCB Design, Fabrication and Testing
Targeted Students from Branches		ECE, ETE, EEE
Registration Fee		400
No. of students attended		64
Software/Hardware Tools used		Cadence, ORCAD, Schematic Simulation
Delivery Methods		Presentation, Hands On
Assessment Methods (e.g.: Quiz, test, mini- project, report submission, etc.)		Mini project
Open Course Chief Coordinator Details	Name	Dr Satish Kumar
	Mobile No.	9980500700
	Email ID	satisht@bmsit.in
Internal Resource Person Details	Name	Dr Raju Hajare
	Designation	Asso Professor
	Mobile Number	6672700277
External Resource Person Details	Name	Mr. Karunakaran S
	Designation	Managing Director
	Company/Organization	SCHEMAZEN TECHNOLOGIES
	Mobile Number/email-id	9845039374
	Name	
	Designation	
	Company/Organization	
	Mobile Number/email-id	
	Name	
	Designation	
	Company/Organization	
	Mobile Number/email-id	
Curriculum Gaps: PO3, PO5, PO9,10,12,PSO3		
Abstract (Details of the Open Course)	The course started with Introduction to Electronics Industry, Product Designing, Bridging the Gap between Industry and Academics followed by Design Life Cycle, Hardware Design Life Cycle. Various Types of Processors, ICS used for Product Design Component Packages, Introduction to Tools: CADENCE ORCAD for Designing the Products, Introduction to Cadence Allegro . The students were also taught on Working on Schematics for the Product along with Working on PCB Layout for the Product.	
Photograph of the event:		



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Open Course Outcomes	CO-1	Design single and multiple layer PCB
	CO-2	Design and fabricate the PCB with Industrial standards
	CO-3	Evaluate and testing of PCB design using industrial protocols



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CO-PO Mapping for open course of “Deep Learning with Python”

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO3
CO1			3										
CO2			3		3								
CO3			3						3	3		3	1

Feedback from external expert:

1. External Speaker appreciated the participants for being interactive and completing the assignment assigned in time.

Feedback (critical) from students:

- 1.
- 2.

Feedback from External participants (if any):

1. – NIL-

Corrective methods/suggestions to consider while conducting open course next time (at least two points)

1. All sessions to be made hands On
2. Sufficient time must be given to participants to complete their assignment.

Impact Analysis of skill based OPEN COURSE								
PCB DESIGN, FABRICATION AND TESTING								
		13th -17th JUNE 2022				Ac.Yr 2021-22		
	TOTAL RESPONS ES =56/64							56*3= 168
	PO	PO1	PO2	PO3	PO4	PO5	PO9	PO1 0
								PO12
	Total	141	140	141	152	156	146	147
	ATTAINME NT	2.5178571 43	2.5	2.5178571 43	2.7142857 14	2.7857142 86	2.6071428 57	2.62 5
								2.7142857 14
	PERCENTA GE	83.928571 43	83.333333 33	83.928571 43	90.476190 48	92.857142 86	86.904761 9	87.5 48
								90.476190 48



Sample course feedback form

Questions Responses **14**

responses cannot be edited

Open Course on Deep Learning with Python

Thank you for participating in our event.

We want to hear your feedback so please fill this quick survey and let us know your thoughts.

* Required

Email *

Did the Open Course help you with new learning? *

Yes
 No

How informative did you find the Open Course? *

Poor 1 2 3 4 5 Excellent

How clear were concepts presented by the speakers?

Not Clear 1 2 3 4 5 Very Clear

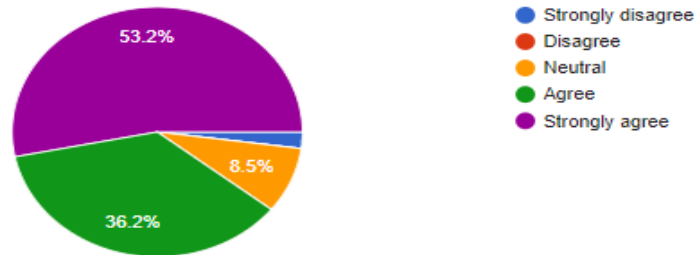
Overall how satisfied were you with this Open Course? *



Sample course feedback form

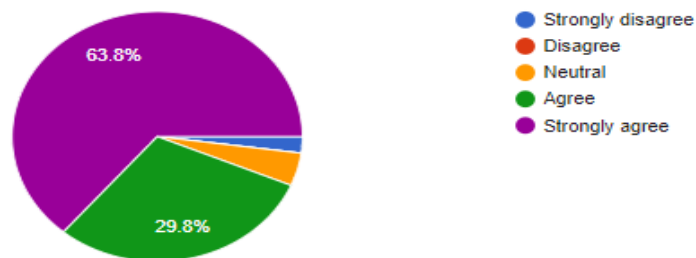
The instructor effectively explained and illustrated course concepts

47 responses



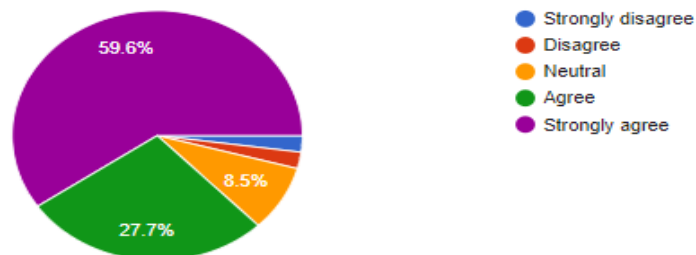
The instructor encouraged student participation in class

47 responses



The instructor communicated clearly and was easy to understand

47 responses



FEEDBACK :Any suggestions(Students opinion)

Looking forward to more courses in this manner

No suggestions



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Nothing:), it was a well informative session and looking for ore of this.

We need more session like this

Field trip to be more engaging

An advanced course on PCB design in the future would be helpful.

Extension of the course.

It could be done more frequently

We need more field trips like this

Industrial visits to be conducted often

It could be done more frequently

Some more days should have been invested on the course

Field trip and number of open courses should take place more

We need more sessions like this and we need more industry visit

Feedback - The course was very informative and it threw light on how the industry works, the processes/stages of PCB design. It brought awareness of requirements one must satisfy

we need more industrial visit to experience how pcb is manufactured.

Good exposure.

If we get any chance to join again the open course we need to know more about this course.

It would be good if the duration of the course was more than 5days

Everything was good and helpful

It was fine

It was fine

Overall it was a great experience.



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Department of Electronics and Telecommunication Engineering OPEN COURSE REPORT (2021-2022) June 13-17, 2022

Department: Electronics and Telecommunication Engineering		
Title of the Open Course		Embedded Systems for IOT Applications
Targeted Students from Branches		ECE, ETE, EEE
Registration Fee		400
No. of students attended		29
Software/Hardware Tools used		IOT-boards, Raspberry Boards, EVADO Boards, Wireshark, Packet Tracer.
Delivery Methods		Presentation, Hands On
Assessment Methods (e.g.: Quiz, test, mini- project, report submission, etc.)		Mini project
Open Course Chief Coordinator Details	Name	Dr Satish Kumar
	Mobile No.	9980500700
	Email ID	satisht@bmsit.in
Internal Resource Person Details	Name	Dr Raghunandan G H
	Designation	Asst Professor
	Mobile Number	9535009317
	Name	Prof Saritha I G
	Designation	Asst Professor
	Mobile Number	9916128329
	Name	Dr Sumathi M S
	Designation	Asst Professor
	Mobile Number	9036274256
	Name	Prof Dwarakanath
	Designation	Asst Professor
	Mobile Number	9916155597
	Name	Prof Sowmyashree M S
	Designation	Asst Professor
	Mobile Number	9620901561
Name	Prof Pratibha N	
Designation	Asst Professor	
Mobile Number	9900264612	
External Resource Person Details	Name	Mr S Vinayaka Babu
	Designation	Managing Director
	Company/Organization	4Semi Technologies
	Mobile Number/email-id	9886021632
	Name	Mr Sharan
	Designation	Application Engineer
	Company/Organization	Coreel Technologies
Mobile Number/email-id	9500868760	
	Name	Mr Sunil T Shambhatnavar



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	Designation	Managing Director
	Company/Organization	ALS Technologies
	Mobile Number/email-id	9019062761

Curriculum Gaps: PO3, PO5, PO12,PSO3

Abstract
(Details of
the Open
Course)

The course began with Introduction to Embedded systems followed by hands on session using IOT Boards. Later the importance of Embedded systems in Industry was told to the students. Hands On Applications using Packet tracer , EVADO boards, Raspberry boards was taught to the students. The students were also taught how to work on Wireshark any analyze the performance of network.

Photograph of the event:

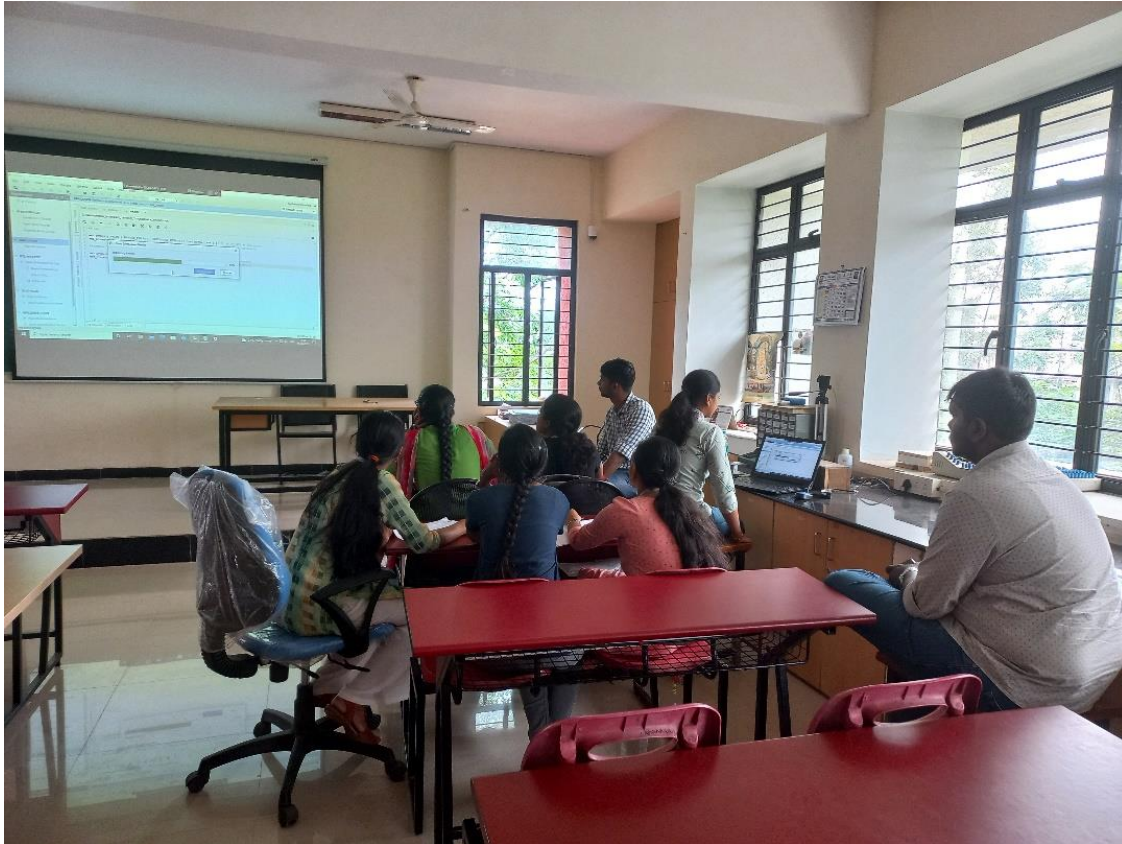




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Open Course Outcomes		
CO-1	Learn the concepts of embedded components and IoT	
CO-2	Identify the hardware and software required to establish IoT	
CO-3	Analyze the behaviors of sensors and devices used to develop IoT application	
CO-4	Develop IoT applications	

CO-PO Mapping for open course of “Deep Learning with Python”

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO3
CO1													
CO2	3												
CO3		3											
CO4			3		3				3	3		3	1

Feedback from external expert:

1. External Speaker appreciated the participants for being interactive and completing the assignment assigned in time.

Feedback (critical) from students:

1. More Sensor based Application is required.
2. Students insisted that all the sessions could be Hands On.

Feedback from External participants (if any):

1. – NIL-

Corrective methods/suggestions to consider while conducting open course next time (at least two points)

1. All sessions to be made hands On
2. Sufficient time must be given to participants to complete their assignment.

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Questions Responses **14**

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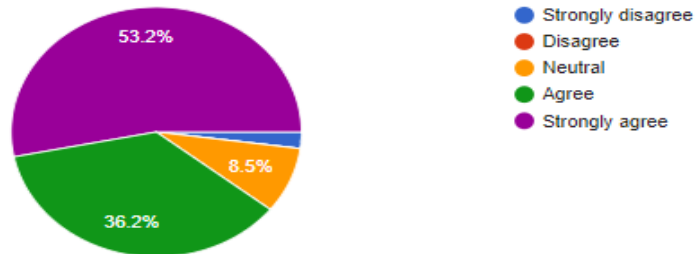
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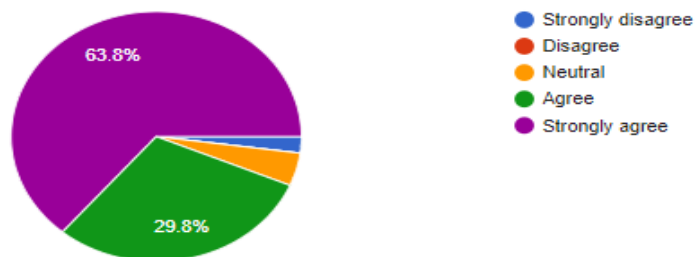
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