

Department of Electrical Engineering

16-Aug-2019

CIRCULAR

VALUE ADDED COURSE (Robotics)- B.Tech. EE/EC

Students of B.Tech. (EE/EC) all years are hereby informed that value added course "Robotics" is scheduled from 10 September 2019 in your respective classroom, Academic Block-II.

Schedule:

• Time Slot: 03:00 PM to 05:00 PM

• Key Speaker: Mr. Dheeraj Chauhan

• Duration: 2 hrs

Program Overview:

The goal of this workshop is to bring together researchers from robotics, natural language processing, machine learning, and cognitive science to examine the challenges and opportunities emerging from the interdisciplinary research field covering language and robotics. This goal is motivated by two fundamental observations

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Department of ECE/EE
Invertis University
Bareilly-243123, UP

Mr. Mon Prakash Upadhyay

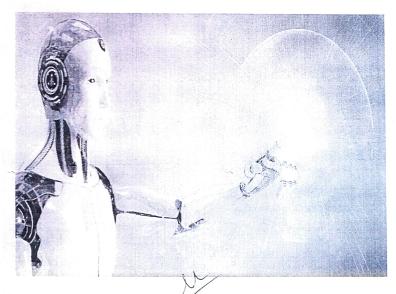
(HOD)

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Barrilly 243123, UP

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VALUE ADDED COURSE (ROBOTICS)





Head
Department of ECE/EE
Invertis University
Barcully-243123, UP

MR. MON PRAKASH UPADHYAY

HOD:

Program: -B.TECH.



03:00 PM TO 05:00 PM



10September 2019-15 October 2019

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KEY SPEAKER:
Mr. Dheeraj Chauhan



VALUE ADDED COURSE (Robotics)



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PROGRAM OVERVIEW:

The future evolution of robotics requires to get closer the natural human communication, and to demonstrates similar adaptability and flexibility in language use. Robots, likewise humans, should be able to adapt to each person they talk to, not using identical stereotypical sentences for each interaction. Moreover, humans are not only able to use language but also able to learn it. In order to have similar proficiency, robotic systems may have to learn it as well, probably not exactly in the same way, but it is rather unlikely that it would rely only on an ungrounded and disembodied language, module identical to any robot. Invertis University

VALUE ADDED COURSE

Course Details:

NAME OF COURSE: ROBOTICS WORKSHOP Course Offered to - B. Tech EE & ECE

CODE: EEC01
Course Duration - 36 hours

OBJECTIVE:

The goal of this workshop is to bring together researchers from robotics, natural language processing, machine learning, and cognitive science to examine the challenges and opportunities emerging from the interdisciplinary research field covering language and robotics. This goal is motivated by two fundamental observations.

PRE-REQUISITE(s):

To learn robotics, the best way to do so is developing proficiency in computer science, coding, physics, and linear algebra.

OVERVIEW:

The future evolution of robotics requires to get closer to the natural human communication, and to demonstrates similar adaptability and flexibility in language use. Robots, likewise humans, should be able to adapt to each person they talk to, not using identical stereotypical sentences for each interaction. Moreover, humans are not only able to use language but also able to learn it. In order to have similar proficiency, robotic systems may have to learn it as well, probably not exactly in the same way, but it is rather unlikely that it would rely only on an ungrounded and disembodied language module identical to any robot. Furthermore, input data received by language I earners is not written text data, but multimodal sensor, motor information including speech signal, haptic information, visual information, etc. Language learning strategies in real-world environments which are full of uncertainty would need to extract the best of multimodal information available. Making this I earning and understanding of utterances possible, in areal-world environment with a situated and embodied system, is a key challenge for natural language processing.

Why take this course?

- Hands-on training on specific core areas of the selected topic.
- Real-time implementations through practical sessions.
- Multipurpose project based trainer kits.
- Well versed materials like Datasheets, Installation guides, Sample Codes, Circuit Diagrams, Softwares, Study Material, PPT's and User Manuals.
- Experienced & dedicated training professionals.
- · Internationally valid certification.
- Free R&D Project Assistance
- Internship opportunity & Free Placement assistance.

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What you will learn in this course:

The primary goal of robotics workshops is to offer students a technology-driven learning experience that will teach them all the skills they need to thrive in the dynamic, exciting, and ever-changing world that lies ahead of them. Planned thoroughly to achieve precise learning goals, our workshops will teach kids how to construct robots from scratch thus giving them a first-hand experience and in-depth knowledge of robotics

Who this course is for:

- To design intelligent machines that can help and assist humans in their day-to-day lives and keep everyone safe.
- •To increased the flexibility with being capable of performing a variety of tasks and applications

Faculty for the Course:-

•Mr. Dheeraj Chauhan (Embedded Engineer,3D Computing,new Delhi)

Course Outline:

2	- No		No. of hours allocated
	Topic		5
Module I	Introduction	10 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	5
Module 2	Hardware vs firmware		4
Module 3	Embedded electronics	- 10	1
Module 4	Power electronics	,	À
Module 5	Communication		5
Module 6	Sensors		1.3.
Module 7	Motors and actuators		
Module 8	Weight Budget or Power to Weight Ratio))

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1	BEC2017001	MOHD SAHIL SIDDIQUI	YEAR	PROGRAM								
2		VIPIN KUMAR		B.TECH.(EE/EC								
3		SOHIT RATHOURE	2019-20	B.TECH.(EE/EC								
4	BEC2017004	AKANSHA SINGH	2019-20	B.TECH.(EE/EC								
5	BEC2017005	KUSHAGR KISHORE	2019-20	B.TECH.(EE/EC)								
6		MOHD SAQUIB	2019-20	B.TECH.(EE/EC)								
7	BEC2017008	ROHIT PASWAN	2019-20	B.TECH.(EE/EC)								
8	BEC2017009	MOHIT TIWARI	2019-20	B.TECH.(EE/EC)								
	BEC2017010	AGMAN SHUKLA	2019-20	B.TECH.(EE/EC)								
	BEE2017001	ASHISH GOUR	2019-20	B.TECH.(EE/EC)								
	BEE2017002	SANDEEP GUPTA	2019-20	B.TECH.(EE/EC)								
	BEE2017003	SHARIK	2019-20	B.TECH.(EE/EC)								
	BEE2017004		2019-20	B.TECH.(EE/EC)								
	BEE2017005	SHADAN ALI AHMED	2019-20	B.TECH.(EE/EC)								
	BEEE2017002	MOHD ALYASA KHAN	2019-20	B.TECH.(EE/EC)								
	ET2016001	RITIK SRIVASTAVA	2019-20	B.TECH.(EE/EC)								
	EE2016004	MD AMAN ANSARI	2019-20	B.TECH.(EE/EC)								
	EE2016002	ABHISHEK JAISWAL	2019-20	B.TECH.(EE/EC)								
	LEE2016002	AMAN KOHLI	2019-20	B.TECH.(EE/EC)								
	LEE2016001	AMIT SHANKHADHAR	2019-20	B.TECH.(EE/EC)								
	LEE2016004	CHAKARVEER MOURY		B.TECH.(EE/EC)								
	EE2016006	JAVED ALI KHAN	2019-20	B.TECH.(EE/EC)								
	EE2016003	MUKUL AWASTHI	2019-20	B.TECH.(EE/EC)								
	EE2016001	NITIN GUPTA	2019-20	B.TECH.(EE/EC)								
	EE2016005	TABREZ ANSARI	2019-20	B.TECH.(EE/EC)								
	EC2016003	URMILA RASTOGI	2019-20	B.TECH.(EE/EC)								
	EC2016004	CHANDAN GUPTA	2019-20	B.TECH.(EE/EC)								
	EC2016004	DIVYAM PRAKASH	2019-20	B.TECH.(EE/EC)								
	EC2016003	PRINCE SINGH	2019-20	B.TECH.(EE/EC)								
	EC2016001	PRIYA PARMAR	2019-20	B.TECH.(EE/EC)								
	LBEC2017001	SAMIKSHA MEHRA	2019-20	B.TECH.(EE/EC)								
	LBEC2017001	MAHIR HUSSAIN	2019-20	B.TECH.(EE/EC)								
	LBEC2017002	RAJAT BAN GOSWAMI	2019-20	B.TECH.(EE/EC)								
		HARSH RAJ CHOPRA	2019-20	B.TECH.(EE/EC)								
	LBEC2017004	NAVJOT SINGH SIDHAR'	2019-20	B.TECH.(EE/EC)								
	LBEE2017001	VARUN MISHRA	2019-20	B.TECH.(EE/EC)								
	LBEE2017002	ANUKUL SINGH	2019-20	B.TECH.(EE/EC)								
	BEE2017003	AFTAB KHAN	2019-20	B.TECH.(EE/EC)								
	BEE2017005	REHAN AHMED	2019-20	B.TECH.(EE/EC)								
	BEE2017006	GAUTAM VISHWAKARM	2019-20	B.TECH.(EE/EC)								
40 [BEE2017007		2019-20	B.TECH.(EE/EC)								

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41	LBEE2017008	IQRAM AHMAD	2019-20	B.TECH.(EE/EC)
42	LBEE2017009	VIVEK KUMAR TIWARI	2019-20	B.TECH.(EE/EC)
43	EC2015003	SHUBHAM RAJPUT	2019-20	B.TECH.(EE/EC)
44	EE2015009	SMRATI SHANKHWAR	2019-20	B.TECH.(EE/EC)
45	ET2015005	SUMIT KUMAR RASTOG	2019-20	B.TECH.(EE/EC)
46	ET2015007	SUSHIL KUMAR	2019-20	B.TECH.(EE/EC)
47	EC2015001	UTKARSH KUMAR GUPT	2019-20	B.TECH.(EE/EC)
48	LEE2016003	JAYA SINGH	2019-20	B.TECH.(EE/EC)
49	LEC2016001	DIVYAM PRAKASH	2019-20	B.TECH.(EE/EC)
50	BEC2018001	MADHAV BHATIA	2019-20	B.TECH.(EE/EC)
51	BEE2018001	MANMOHAN MISHRA	2019-20	B.TECH.(EE/EC)
52	BEE2018002	SAFAL	2019-20	B.TECH.(EE/EC)
53	BEE2018003	MOIN	2019-20	B.TECH.(EE/EC)
54	BEE2018004	SYED NOMAN	2019-20	B.TECH.(EE/EC)
55	BEEE2018001	AYUSH KUMAR SAXENA	2019-20	B.TECH.(EE/EC)
56	LBEE2019001	NADEEM AHMAD	2019-20	B.TECH.(EE/EC)
57	LBEE2019002	TRIMENDRA YADAV	2019-20	B.TECH.(EE/EC)
	LBEE2019003	PAWAN PRATAP SINGH	2019-20	B.TECH.(EE/EC)
	LBEE2019004	SYED SAAD ALI	2019-20	B.TECH.(EE/EC)
	LBEE2019005	ANAND SHARMA	2019-20	B.TECH.(EE/EC)
	LBEE2019006	VICKY TYAGI	2019-20	B.TECH.(EE/EC)
	LBEE2019007	RITENDRA SINGH	2019-20	B.TECH.(EE/EC)
	LBEE2019008	Mohd HAMZA KHAN	2019-20	B.TECH.(EE/EC)
	LBEE2019009	UNNATI DEWAL	2019-20	B.TECH.(EE/EC)
	LBEE2019010	ASHIF HUSSAIN	2019-20	B.TECH.(EE/EC)
	LBEE2019011	YASHIKA TIWARI	2019-20	B.TECH.(EE/EC)
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ROBOTICS Attendance

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36 LBEE2017002	ANUKUL SINGH	+-	6	++	0	A	0		P	D	P	P	J.	0	Y	P	φ	10	P		-	\vdash
37 LBEE2017003	AFTAB KHAN	_	<u></u>	+	5	-6	+ h	_	A	F	0	A	P	D	P	P	P	A	P	P	1	-
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41 LBEE2017008	IQRAM ARIMAD	+	40	\top	0	P	P		P	P	13	P	<u> </u>	1	- K	12	+ -	1	+6+	- 	6	1
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47 EC2015001		+	P	\top	0	-v	F)	/	Ø.	K	P	<u> </u>	-p-	1	1	1	A	16	0	Ø	0	1
48 LEE2016003	JAYA SINGH	+-	b	+	b	v	P		0	V	D	P		1	1 2	P		1-6	+ +		6	1 1
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50 BEC2018001	MADHAV BHATIA	1	1	+		- 1	+ 5	+	A	0	10	0.	P	9	P		0	1 12	P	- 6	1	1
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52 BEE2018002			D		D	13	1		0	1	1 7	1	1	1	1 1	7	10	10	0	P	P	
53 BEE2018003	MOIN	-	b	+	+	V	17		P	L K	D	1	K-	1	1 %	1 6	1 6	10	A	P	P	K
54 BEE2018004	SYED NOMAN	$\perp \rho$	7	+-	0	0	10		P	Ð	P	<u>\$</u>	L .	1	1 1	1 6	16	16	0	0	P	
55 BEEE2018001	AYUSH KUMAR SAXENA	17	-	+-	5	- h	10		Ь	V	P	P	1 6	_ P	P	1	+ K	+ -	6	0	P	
56 LBEE2019001	NADEEM AHMAD		5		<u></u>	-6-	+ 60	$\overline{}$	-	D	D	P	P	P	P	- 6	1	15	- p	-	+	
57 LBEE2019002	TRIMENDRA YADAV		r		K.	-	1-50	+	1	1	9	P	P	0	P	L P	1	15	1	-6-	0	-
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59 LBEE2019004																						

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60 LBEE2019005 ANAND SHARMA
61 LBE2019006 VICKY TYAGI
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65 LBEE3019010 ASHIF HUSAN
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