

## 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

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

Mr. Mon Prakash Upadhyay  
(HOD)

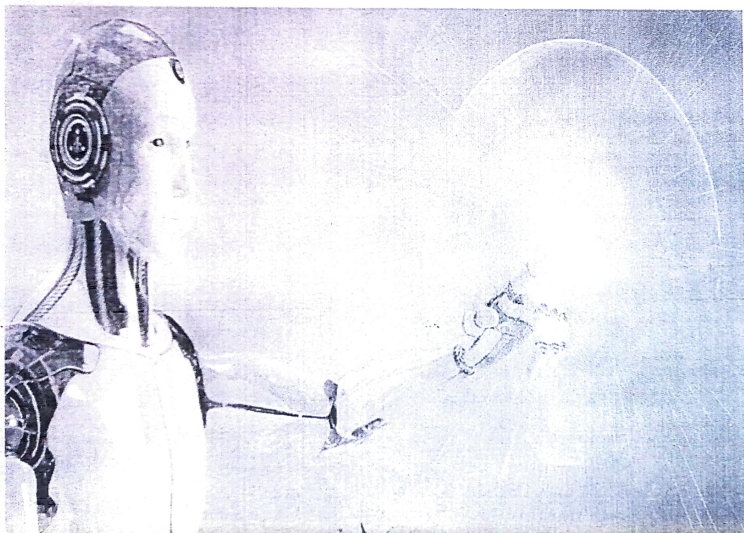


Dean  
Faculty of Engineering & Technology  
Invertis University  
Bareilly-243123, UP

Registrar  
Invertis University  
Bareilly

# VALUE ADDED COURSE (ROBOTICS)

**INVERTIS**  
UNIVERSITY BAREILLY



Program: -B.TECH.



03:00 PM TO 05:00 PM



10 September 2019-15 October 2019

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

HOD:  
MR. MON PRAKASH UPADHYAY

Dean  
Faculty of Engineering & Technology  
Invertis University  
Bareilly-243123, UP

KEY SPEAKER :  
Mr. Dheeraj Chauhan

# VALUE ADDED COURSE (Robotics)

## PROGRAM 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.



Head  
Department of ECE/EE  
Invertis University  
Bareilly-243123. UP

*SK*  
Registrar  
Invertis University  
Bareilly

## 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 demonstrate 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 learners 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 learning and understanding of utterances possible, in a real-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.

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

  
**Dean**  
**Faculty of Engineering & Technology**  
**Invertis University**  
**Bareilly-243123, UP**

  
**Registrar**  
**Invertis University**  
**Bareilly**

**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:**

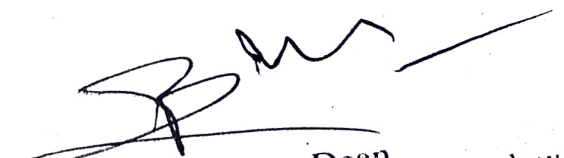
- To design intelligent machines that can help and assist humans in their day-to-day lives and keep everyone safe.
- To increased the flexibility with being capable of performing a variety of tasks and applications


**Faculty for the Course:-**


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

**Course Outline:**

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

  
Dean  
Faculty of Engineering & Technology  
Invertis University  
Bareilly-243123, UP

  
Head  
Department of ECE/IT  
Invertis University  
Bareilly-243123, UP

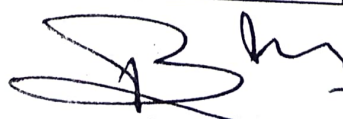
  
Registrar  
Invertis University  
Bareilly-243123, UP

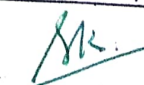
**VALUE ADDED COURSE**

COURSE NAME	ROBOTICS
COURSE CODE	EEC01
DURATION	36 Hrs.

**LIST OF ENROLLED STUDENTS**

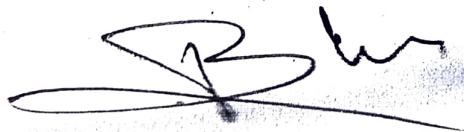
SNO.	ROLL NO.	NAME	YEAR	PROGRAM
1	BEC2017001	MOHD SAHIL SIDDIQUI	2019-20	B.TECH.(EE/EC)
2	BEC2017002	VIPIN KUMAR	2019-20	B.TECH.(EE/EC)
3	BEC2017003	SOHIT RATHOURE	2019-20	B.TECH.(EE/EC)
4	BEC2017004	AKANSHA SINGH	2019-20	B.TECH.(EE/EC)
5	BEC2017005	KUSHAGR KISHORE	2019-20	B.TECH.(EE/EC)
6	BEC2017007	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)
9	BEC2017010	AGMAN SHUKLA	2019-20	B.TECH.(EE/EC)
10	BEE2017001	ASHISH GOUR	2019-20	B.TECH.(EE/EC)
11	BEE2017002	SANDEEP GUPTA	2019-20	B.TECH.(EE/EC)
12	BEE2017003	SHARIK	2019-20	B.TECH.(EE/EC)
13	BEE2017004	SHADAN ALI AHMED	2019-20	B.TECH.(EE/EC)
14	BEE2017005	MOHD ALYASA KHAN	2019-20	B.TECH.(EE/EC)
15	BEEE2017002	RITIK SRIVASTAVA	2019-20	B.TECH.(EE/EC)
16	ET2016001	MD AMAN ANSARI	2019-20	B.TECH.(EE/EC)
17	EE2016004	ABHISHEK JAISWAL	2019-20	B.TECH.(EE/EC)
18	EE2016002	AMAN KOHLI	2019-20	B.TECH.(EE/EC)
19	LEE2016002	AMIT SHANKHADHAR	2019-20	B.TECH.(EE/EC)
20	LEE2016001	CHAKARVEER MOURY	2019-20	B.TECH.(EE/EC)
21	LEE2016004	JAVED ALI KHAN	2019-20	B.TECH.(EE/EC)
22	EE2016006	MUKUL AWASTHI	2019-20	B.TECH.(EE/EC)
23	EE2016003	NITIN GUPTA	2019-20	B.TECH.(EE/EC)
24	EE2016001	TABREZ ANSARI	2019-20	B.TECH.(EE/EC)
25	EE2016005	URMILA RASTOGI	2019-20	B.TECH.(EE/EC)
26	EC2016003	CHANDAN GUPTA	2019-20	B.TECH.(EE/EC)
27	EC2016004	DIVYAM PRAKASH	2019-20	B.TECH.(EE/EC)
28	EC2016005	PRINCE SINGH	2019-20	B.TECH.(EE/EC)
29	EC2016002	PRIYA PARMAR	2019-20	B.TECH.(EE/EC)
30	EC2016001	SAMIKSHA MEHRA	2019-20	B.TECH.(EE/EC)
31	LBEC2017001	MAHIR HUSSAIN	2019-20	B.TECH.(EE/EC)
32	LBEC2017002	RAJAT BAN GOSWAMI	2019-20	B.TECH.(EE/EC)
33	LBEC2017003	HARSH RAJ CHOPRA	2019-20	B.TECH.(EE/EC)
34	LBEC2017004	NAVJOT SINGH SIDHAR	2019-20	B.TECH.(EE/EC)
35	LBEE2017001	VARUN MISHRA	2019-20	B.TECH.(EE/EC)
36	LBEE2017002	ANUKUL SINGH	2019-20	B.TECH.(EE/EC)
37	LBEE2017003	AFTAB KHAN	2019-20	B.TECH.(EE/EC)
38	LBEE2017005	REHAN AHMED	2019-20	B.TECH.(EE/EC)
39	LBEE2017006	GAUTAM VISHWAKARM	2019-20	B.TECH.(EE/EC)
40	LBEE2017007	EKLAVYA YADAV	2019-20	B.TECH.(EE/EC)

  
**Dean**  
 Faculty of Engineering & Technology  
 Invertis University  
 Bareilly - 243123, UP

  
 Registrar  
 Invertis University  
 Bareilly

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


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 RASTOGI	2019-20	B.TECH.(EE/EC)
46	ET2015007	SUSHIL KUMAR	2019-20	B.TECH.(EE/EC)
47	EC2015001	UTKARSH KUMAR GUPTA	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)
58	LBEE2019003	PAWAN PRATAP SINGH	2019-20	B.TECH.(EE/EC)
59	LBEE2019004	SYED SAAD ALI	2019-20	B.TECH.(EE/EC)
60	LBEE2019005	ANAND SHARMA	2019-20	B.TECH.(EE/EC)
61	LBEE2019006	VICKY TYAGI	2019-20	B.TECH.(EE/EC)
62	LBEE2019007	RITENDRA SINGH	2019-20	B.TECH.(EE/EC)
63	LBEE2019008	Mohd HAMZA KHAN	2019-20	B.TECH.(EE/EC)
64	LBEE2019009	UNNATI DEWAL	2019-20	B.TECH.(EE/EC)
65	LBEE2019010	ASHIF HUSSAIN	2019-20	B.TECH.(EE/EC)
66	LBEE2019011	YASHIKA TIWARI	2019-20	B.TECH.(EE/EC)



Dean  
Faculty of Engineering & Technology  
Invertis University  
Barcilly-243123. UP



Head  
Department of ECE/EE  
Invertis University  
Barcilly-243123. UP



Dean  
Faculty of Engineering & Technology  
Invertis University  
Barcilly-243123. UP

# ROBOTICS Attendance

SNO.	ROLL NO.	NAME	10/9	11/9	12/9	13/9	14/9	15/9	16/9	17/9	18/9	19/9	20/9	21/9	8/10	9/10	10/10	11/10	12/10	14/10	15/10	
1	BEC2017001	MOHD SAHIL SIDDIQUI																				
2	BEC2017002	VIPIN KUMAR																				
3	BEC2017003	SOHIT RATHOURE																				
4	BEC2017004	AKANSHA SINGH																				
5	BEC2017005	KUSHAAGR KISHORE																				
6	BEC2017007	MOHD SAQIB																				
7	BEC2017008	ROHIT PASWAN																				
8	BEC2017009	MOHIT TIWARI																				
9	BEC2017010	AGMAN SHUKLA																				
10	BEE2017001	ASHISH GOUR																				
11	BEE2017002	SANDEEP GUPTA																				
12	BEE2017003	SHARIK																				
13	BEE2017004	SHADAN ALI AHMED																				
14	BEE2017005	MOHD ALYASA KHAN																				
15	BEE2017002	RITIK SRIVASTAVA																				
16	EE2016001	MD AMAN ANSARI																				
17	EE2016004	ABHISHEK JAISWAL																				
18	EE2016002	AMAN KOHLI																				
19	LEE2016002	AMIT SHANKHADHAR																				
20	LEE2016001	CHAKARVEER MOURYA																				
21	LEE2016004	JAVED ALI KHAN																				
22	EE2016006	MUKUL AWASTHI																				
23	EE2016003	NITIN GUPTA																				
24	EE2016001	TABREZ ANSARI																				
25	EE2016005	URMILA RASTOGI																				
26	EC2016003	CHANDAN GUPTA																				
27	EC2016004	DIVYAM PRAKASH																				
28	EC2016005	PRINCE SINGH																				
29	EC2016002	PRIYA PARMAR																				
30	EC2016001	SAMIKSHA MEHRA																				
31	LBEC2017001	MAHIR HOSSAIN																				
32	LBEC2017002	RAJAT BAN GOSWAMI																				
33	LBEC2017003	HARSH RAJ CHOPRA																				
34	LBEC2017004	NAVJOT SINGH SIDHARTH																				
35	LBEE2017001	VARUN MISHRA																				
36	LBEE2017002	ANUKUL SINGH																				
37	LBEE2017003	AFTAB KHAN																				
38	LBEE2017005	REHAN AHMED																				
39	LBEE2017006	GAUTAM VISHWAKARMA																				
40	LBEE2017007	EKLAVYA YADAV																				
41	LBEE2017008	IQRAM AHMAD																				
42	LBEE2017009	VIVEK KUMAR TIWARI																				
43	EE2015003	SHUBHAM RAJPUT																				
44	EE2015009	SMRATI SHANKHWAR																				
45	ET2015005	SUMIT KUMAR RASTOGI																				
46	ET2015007	SUSHIL KUMAR																				
47	EC2015001	UTKARSH KUMAR GUPTA																				
48	LEE2016003	JAYA SINGH																				
49	LEC2016001	DIVYAM PRAKASH																				
50	BEC2018001	MADHAV BHATIA																				
51	BEE2018001	MANMOHAN MISHRA																				
52	BEE2018002	SAFAL																				
53	BEE2018003	MOIN																				
54	BEE2018004	SYED NOMAN																				
55	BEE2018001	AYUSH KUMAR SAXENA																				
56	LBEE2019001	NADEEM AHMAD																				
57	LBEE2019002	TRIMENDRA YADAV																				
58	LBEE2019003	PAWAN PRATAP SINGH																				
59	LBEE2019004	SYED SAAD ALI																				

Dean  
Faculty of Engineering & Technology  
Invertis University  
Bareilly-243123, UP

Registrar  
Invertis University  
Bareilly



