

15.IoT and Drones



KLE Technological University
Creating Value
Leveraging Knowledge

2 DAY WORKSHOP on IOT AND DRONES

ABOUT THE WORKSHOP

- Introduction to Internet of Things & Drones.
- Robotics & Sensors.
- Hands on Experiments on different development boards.
- Interfacing with various sensors, actuators .
- Projects on raspberry Pi.
- Live Demonstration of commercial Drones.





INTERNET OF THINGS

Open
for All!
Register Before
10th October

APPLICATIONS

- Smart Home
- Agriculture
- Defence

- Surveillance
- Smart City
- Wearables

In Collaboration with



ROYAL
ACADEMY OF
ENGINEERING



BENNETT
UNIVERSITY
TIMES OF INDIA GROUP

Co-Ordinated by
ASSOCIATION OF COMPUTER SCIENCE
& ENGINEERING STUDENTS



SCHEDULE

**12th & 13th
OCTOBER 2019**

VENUE

**School of
Computer Science
& Engineering**

For Registration:



kletech.ac.in  [KLETech](#)  csekletech@gmail.com

15.IoT and Drones

Workshosp on IOT and Drones

Sessions	Contents
Day 1	
Session 1	Introduction to IoT Applications
Session 2	Introduction to Arduino Microcontroller, Development Boards, Types, Installation, IDE, C programming
Session 3	Introduction to Sensor Types, Interfacing, Motors, Arduino Interfacing
Session 4	Hands-on Sessions LDR, LEDs, Ultrasonic, PIR and Relay
Day 2	
Session 1	Hands-On Keypad and motors interfacing
Session 2	Hands-On Keypad Controlled Two-wheel Bot
Session 3	Introduction to Raspberry Pi and their applications Demonstration of Alexa implementation and other applications.
Session 4	Introduction to Drones and Demonstration Application, Uses, Types Exam and Certificate Distribution

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KLE Technological
University
Creating Value
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Earlier known as
B. V. B. College of Engineering & Technology

School of Computer Science and Engineering

2-day Workshop on IoT and Drones

12th - 13th Oct 2019

Schedule

Venue: C-lite Second Floor CSC313

Day 1(12 th Oct 2019)		
Session	Timings	Content
1	9.15am-11.15am	Introduction to IoT Applications
11.15am-11.30am Tea Break		
2	11.30am-1.00pm	Introduction to Arduino Microcontroller, Development Boards, Types, Installation, IDE, C programming
1.00pm-2.00pm Lunch Break		
3	2.00pm-3.30pm	Introduction to Sensor Types, Interfacing, Motors, Arduino Interfacing
3.30pm-3.45pm Tea Break		
4	3.45pm-5.00pm	Hands-on Sessions LDR, LEDs, Ultrasonic, PIR and Relay
Day 2(13 th Oct 2019)		
Session	Timings	Content
1	9.15am-11.15am	Hands-On Keypad and motors interfacing
11.15am-11.30am Tea Break		
2	11.30am-1.00pm	Hands-On Keypad Controlled Two-wheel Bot
1.00pm-2.00pm Lunch Break		
3	2.00pm-3.30pm	Introduction to Raspberry Pi and their applications Demonstration of Alexa implementation and other applications.
3.30pm-3.45pm Tea Break		
4	3.45pm-5.00pm	Introduction to Drones and Demonstration Application, Uses, Types Exam and Certificate Distribution

B. V. Bhoomaraddi College Campus, Vidyanagar, Hubballi 580031. Karnataka (India)
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Timestamp	Name	Email	USN	Semester	Phone Number
10/8/2019 21:20:40	Adarsh parashetti	adarshparashetti@gmail.com	01fe19bme221		1 7666170687
10/9/2019 3:10:13	Adityan Matthew Mehta	adityanmatthewmehta@gmail.com	01fe19bec026		1 9900822744
10/9/2019 8:32:31	Aishwarya	aishwaryakittur1610@gmail.com	01fe19bec087		1 6362337557
10/9/2019 3:10:33	Ajay Kabbur	ajaykabbur2001@gmail.com	01FE19BEC004		1 9481640257
10/5/2019 23:10:42	Akarsh Hirennavar	akarsh00123@gmail.com	01FE19BAR033		1 9820285427
10/9/2019 5:43:58	Anandgouda N Nagalapur	anandnagalapur@gmail.com	01fe19bme151		1 8217579390
10/9/2019 8:00:06	Avantika Shivastava	awantikashri@gmail.com	01fe19bcs253		1 7415018994
10/7/2019 2:56:15	Basavaraj gurappanavar	9500694961s@gmail.com	01fe19bme202		1 8147215878
10/10/2019 2:02:54	Bharat Gunhalkar	bharatgunhalkar8@gmail.com	01fe19bec274		1 7259206568
10/10/2019 5:59:19	Bhargav A K [1]	bhargavak246@gmail.com	01FE19BCS133		1 8660674034
10/9/2019 3:10:47	Chakit Lalit bhandari	chakitbhandari93@gmail.com	01fe19bec037		1 9166852878
10/10/2019 5:29:22	Chetangouda M Patil	chetanpatilbyd@gmail.com	01fe19bme199		1 8660490332
10/9/2019 8:33:48	Chintamani	chintamaniangadi7@gmail.com	01FE19BCV076		1 8088115812
10/7/2019 3:37:37	Faraaz reshmi	faraazreshmi33@gmail.com	01FE19BME198		1 8050928657
10/10/2019 23:42:52	Hemanth J	hemanthj03@gmail.com	01fe19bec088		1 8105017189
10/10/2019 5:57:31	Jason xavier	jasonvj18@gmail.com	01FE19BEC182		1 7022469307
10/9/2019 3:10:22	Khushi	khushij393@gmail.com	01fe19bec089		1 +917899913652
10/9/2019 6:52:10	Kushal N singi	kushalnsingi002@gmail.com	01fe19bcv041		1 8277091156
10/8/2019 21:20:45	P,Shri Aakash	aakash2001@gmail.com	01FE19BAR005		1 9896369009
10/10/2019 7:17:16	Prajwal G	prajwal.07g@gmail.com	01fe19bme109		1 8073556117
10/10/2019 2:10:32	Pratham sanshi	prathamsanshi@gmail.com	01fe19bec130		1 7353772263
10/10/2019 7:36:40	Ranganath k madivalar	madivalar.ranganath420@gmail.com	01FE19BME194		1 8618220685
10/9/2019 1:14:23	Ribhav Oetval	ribhav_o@gmail.com	01FE19BVS242		1 9535360757
10/10/2019 4:01:14	Samarth Manwani	Smarthani1@gmail.com	01FE19BCS256		1 +919617017057
10/8/2019 21:04:02	Sankeert	sankeertgandk2001@gmail.com	01FE19BAR026		1 9482683923
10/5/2019 23:14:15	Sanket Analgundgi	Kumarsanket048@gmail.com	01FE19BAR046		1 9632948439
10/9/2019 5:56:27	Shreerama Ashoka Adakoli	shreeramashokasuccess@gmail.com	01FE19BCS206		1 8971768780
10/10/2019 4:01:32	Subhav	subhav6699@gmail.com	01FE19BCS257		1 8755769026
10/10/2019 0:59:33	Sumeet Koneri	konerisumeet3@gmail.com	01FE19BAR036		1 9243240334
10/10/2019 1:00:12	Sumeet Koneri	konerisumeet3@gmail.com	01FE19BAR036		1 9243240334
10/10/2019 4:08:05	Sumeet Koneri	konerisumeet3@gmail.com	01FE19BAR036		1 9243240334
10/9/2019 8:16:23	Tarvi Kotharkar	tarvikotharkar112@gmail.com	01fe19bcv032		1 8861197624
10/10/2019 9:37:10	Tayyab shaikh	tayyabshaikh1213@gmail.com	01fe19bar044		1 8073119143
10/7/2019 2:29:44	Vinayak	vinayaktorgal.india@gmail.com	01fe19bar052		1 8618994967
10/10/2019 2:05:13	Yash Mahale	yashmahale1702@gmail.com	01fe19bec265		1 9741853901
10/10/2019 1:21:14	Calvin antony lobo	calvinlobo_d@gmail.com	01fe18bec354		2 7760931869

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Timestamp	Name	Email	USN	Semester	Phone Number
10/10/2019 2:01:06	A Naga Sai Charani	charaniatampalle@gmail.com	01fe18bcs003	3	7901008017
10/10/2019 1:01:13	Abhinav Kumar	abhinavkcs1@gmail.com	01FE18Bcs008	3	7702605221
10/10/2019 1:11:52	Aditi Hegde	aditshgde27@gmail.com	01fe18bcs015	3	06901851257
10/10/2019 0:57:55	Aditya Girigoudar	adityagirigoudar@gmail.com	01FE18Bcs017	3	9742864525
10/8/2019 21:30:25	Akhillesh Vardhman	imakhilleshvardhman@gmail.com	01fe18bee011	3	8747087186
10/6/2019 7:24:58	Aman Singh	yaaraman43@gmail.com	01FE18BEC353	3	8789235698
10/10/2019 7:29:13	Aniketh J	anikethj81@gmail.com	01FE18BEC022	3	9902172585
10/10/2019 9:26:28	Ankit raikar	anikankit56663@gmail.com	01fe18bec024	3	9742408136
10/4/2019 6:48:11	Anusha Anvekar	anushaanvekar007@gmail.com	01fe18bec029	3	9620248868
10/4/2019 6:48:41	Badduri Sai Sudheer Reddy	cannoneos700d@gmail.com	01fe18bec037	3	9445633901
10/10/2019 5:47:02	Debabrata Maly	debabratamaly2014@gmail.com	01FE18Bcs068	3	8620074498
10/9/2019 20:40:26	Dheerajsing P Rajaput	dheerajsingdpr@gmail.com	01fe18bme186	3	7411458845
10/10/2019 4:09:51	Gaurav kumar	gaurav07563@gmail.com	01fe18bcs077	3	7892641233
10/10/2019 7:34:16	Jagadish B	jagadishbhlebhavi2701@gmail.com	01fe18bec062	3	9448565765
10/6/2019 7:25:46	Jyotsna	renuriyabestforever126@gmail.com	01fe18bcs084	3	6202533660
10/10/2019 3:20:42	Kartikay Bhardvaj	kbkartikay@gmail.com	01fe18bcs090	3	8076312061
10/10/2019 2:07:29	Kiran jarali	kiranjrali1112@gmail.com	01fe18bcs093	3	9916599042
10/10/2019 4:30:22	M R Sairachan	msairachan2000@gmail.com	01fe18bec070	3	9845002075
10/10/2019 3:48:00	Madhura Shanbhag	madhurasanbhag2001@gmail.com	01fe18bcs108	3	7406300470
10/10/2019 4:23:12	Mahesh	maheshshishe393@gmail.com	01fe18bcs109	3	7975872794
10/10/2019 21:58:28	Manisha toshikhani	manishatoshikhani173@gmail.com	01fe18bcs117	3	8762681240
10/10/2019 9:02:18	Mohammed Fatir Ahmed	Mohammedfatir16@gmail.com	01fe18bcs114	3	6363975768
10/10/2019 8:56:44	Mohammed Mudassir	mohammedmudassir200@gmail.com	01fe18bcs116	3	8217049663
10/10/2019 6:33:35	Nagaraj s dhongade	najsdhongade3@gmail.com	01fe18bme178	3	8197968675
10/10/2019 1:33:50	Nareesh Ilkur	01fe18bcs126@detech.ac.in	01fe18bcs126	3	7846049703
10/10/2019 9:56:35	Owais Z H	howais@yahoo.com	01fe18bme212	3	7019054718
10/10/2019 7:53:44	Prajwal MUGund	prajwal mugund@gmail.com	01fe18bcs148	3	9148861606
10/9/2019 20:44:22	Pramit M.patil	pramitpatil867@gmail.com	01fe18bme185	3	8236436835
10/9/2019 22:04:37	Rishab H P	hprishab27@gmail.com	01fe18bme106	3	8971989248
10/8/2019 19:46:09	Samarth M	samarthm007@gmail.com	01FE18Bcs184	3	9148002295
10/10/2019 3:44:59	Saumyajit Chakraborty	saumyajit99@gmail.com	01FE18Bcs194	3	8256959538
10/9/2019 20:38:59	Shivakrishna puttappanavar	shivakrishnaputtappanavar@gmail.co	01fe18bme187	3	7022989495
10/10/2019 0:58:02	Shradha	shradha.dile@gmail.com	01fe18bcs305	3	7338495637
10/4/2019 19:31:12	Shreyas , Potdar	shreyasmp2001@gmail.com	01fe18bcs206	3	9482532845
10/10/2019 1:03:44	Shridatha Hegde	01fe18bec171@detech.ac.in	01fe18bec171	3	9972895082
10/10/2019 1:06:07	Siddharth Hiremath	siddharthsrh2000@gmail.com	01fe18bec179	3	9448277432

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Timestamp	Name	Email	USN	Semester	Phone Number
10/10/2019 5:30:55	Sonali Kabadi	sonaliak1999@gmail.com	01fe18bcs214	3	6362035225
9/21/2019 3:45:12	Sujay Tadahai	sujaytadahai@gmail.com	01fe18bcs226	3	8277490729
10/10/2019 1:34:11	Sumant badami	sumant.badami200@gmail.com	01fe18bcs228	3	9380652446
10/10/2019 7:30:34	Suraj M Dandin	surajdandin09@gmail.com	01FE18Bcs233	3	08217703974
10/9/2019 20:42:47	Tejasgouda s	tejasgouda53@gmail.com	01fe18bme173	3	8884191890
10/10/2019 23:13:48	Vijeth angadi	01fe18bme158@kietech.ac.in	01fe18bme158	3	9538721104
10/9/2019 21:18:12	Vinod	hvinod25@gmail.com	01FE18BEE355	3	7795919511
10/10/2019 4:41:39	Vishwachelanagouda	vishwapatil094@gmail.com	01FE18BME176	3	9380074992
10/10/2019 4:42:22	Vishwachelanagouda R Patil [2]	vishwapatil094@gmail.com	01FE18BME176	3	9380074992
10/10/2019 6:49:01	VISHWAJITT S KAMAT	vishwajittkamat@gmail.com	01FE18BEC212	3	8217387362
10/10/2019 7:00:31	VISHWAJITT S KAMAT	vishwajittkamat@gmail.com	01FE18BEC212	3	8217387362
10/10/2019 6:44:45	Vishwanath R C	vishwanathvictory9245@gmail.com	01fe18bme181	3	8050876343
10/10/2019 21:00:24	Vrushabh	vrush,amarashetty@gmail.com	01fe18bcs262	3	9972336948
10/10/2019 8:49:58	Anirudh P	anirudhrajani19@gmail.com	01FE17Bcs032	5	9483864579
10/10/2019 6:04:30	Anushree Nilavar	nilavaranusree@gmail.com	01FE17BAR006	5	9845091751
10/10/2019 15:37	Bharath Srinivas	smarter.bharath@gmail.com	01FE17BEE016	5	7338070691
10/8/2019 20:54:52	Gaurav Mahajan	mahajan.gaurav04@gmail.com	01FE17BME049	5	+919036921667
10/10/2019 0:55:37	Goutami H	goutamidh19@gmail.com	01fe17bcs077	5	9036418988
10/10/2019 4:31:35	H Sumukh	sumukhh0@gmail.com	01FE17BEE024	5	9032919010
10/6/2019 22:48:28	Haripriya	haripriya.hosur@gmail.com	01fe17bcs061	5	8495051999
10/10/2019 0:55:36	KAVYA NAGAPPAGOL	kavyahnagappagol@gmail.com	01FE17Bcs094	5	6361000831
10/10/2019 0:54:54	Laxmi Savadi	laxmisavadi884@gmail.com	01FE17Bcs101	5	9148608219
10/10/2019 0:22:34	Madhu M	almadhuam@gmail.com	01FM17MCA017	5	9060044728
10/10/2019 0:54:32	malati shettikeri	malatibshettikeri74@gmail.com	01FE17Bcs103	5	9448513418
10/9/2019 21:36:31	Manoj hunasimarad	manojsumya@gmail.com	01fe17bcs045	5	8123290298
10/9/2019 0:59:27	Nutankumar,A,S	nutankumar360@gmail.com	01FE17BEE057	5	8792287360
10/8/2019 19:47:38	Pramod v dalavi	pramoddalavi20@gmail.com	01FE17BME128	5	9448628864
10/9/2019 5:18:09	Raviraj Bhat	ravirajbhat123@gmail.com	01FE17BME151	5	7899366958
10/10/2019 0:36:36	Renuka	renuka172413@gmail.com	01fm17mca041	5	9986608628
10/10/2019 0:21:15	Shambhavi C	shambhavic16@gmail.com	01fm17mca044	5	+919902960416
10/8/2019 5:51:30	Shrillalita Ganapati I	hegde.hegde5@gmail.com	01FE17BEC177	5	9449099625
10/10/2019 0:21:41	Shweta k	shwetawsweety19969@gmail.com	01fm17mca045	5	8151888101
10/7/2019 2:42:31	sikky munoth	sikky.munoth@gmail.com	01fe17bcs183	5	9480465990
10/10/2019 0:57:13	Sudeep Gumaste	sudeepgumaste19@gmail.com	01fe17bcs220	5	07406830904
10/10/2019 0:34:15	Sushma R Hiremath	sushmarhiremath22@gmail.com	01fe17bar057	5	9620113964
10/9/2019 7:30:20	Vinayak Kori	vinayakfkori@gmail.com	01FE17BEC222	5	9108317901

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Timestamp	Name	Email	USN	Semester	Phone Number
10/9/2019 22:14:37	Adarsh Raj	adarsh18raj@gmail.com	01FE16BCS009	7	9206543619
10/5/2019 3:41:59	Md Ameen Attar	ameen.attar01@gmail.com	01FE16BEE049	7	8123570853
10/11/2019 3:58:17	Naveen, Pattar	naveen.pattar23@gmail.com	01FE18BEE085	3	9820142349
10/11/2019 7:57:26	Vidhyadhar negalurmth	vidhyadharnegalurmth@gmail.com	01fe19bar054	1st	9108920562
10/11/2019 9:25:03	Shrikrishna	01fe18bec172@detech.ac.in	01fe18bec172	3	6361742174
10/11/2019 21:40:47	Pavan	kalyanpavankumar1043@gmail.com	01fe17bcs128	5	9482061460
10/11/2019 21:41:15	MOHAMMADZAKEE HUNGUND	zakeehungund54@gmail.com	01fe18bcs113	3	7892611302
10/11/2019 21:41:59	Amigh Shetty	hubliamogh@gmail.com	01fe18bcs035	3	8277292460
10/11/2019 21:42:04	MahammadTaiyab Yadwad	mtay3500@gmail.com	01fe18bec071	3rd	8867262927
10/12/2019 1:00:37	sachin	ss4839103@gmail.com	01FE18BAR058	3	09611543703