

Adroitec/2019-2020/IoT/SVCE/333/R1

September 26, 2019

To
The HoD,
Department of ECE,
Sri Venkateswara College of Engineering,
Pennalur, Sriperumbudur,
Chennai-602117

Dear Sir,

Sub:Proposal for Thingworx IoT -Workshop

ABOUT US

Adroitec Engineering Solutions (P) Ltd is a Global Engineering Solutions provider with state-of-the-art development centers in India. With a team of over 300+ highly qualified and experienced professionals, Adroitec delivers services which are closely aligned with the design-through-manufacturing strategies of its global manufacturing customers, crashing cycle times and reducing costs. Adroitec offers both virtual and physical support through its 8 offices spread across the country.

PTC Business Awards For Adroitec:

Best Support Value Creation to Customer

Platinum Partner to PTC

Best Service Partner

-- Confidential --

Adroitec Engineering Solutions Pvt. Limited

C – 130, Sector 2, Noida - 201 301, UP, India

CIN:U72200DL2011PTC216900,Company Mail ID: info@adroitecengg.com

Website: www.adroitecengg.com

PTC THINGWORX:

DELIVERING THE VALUE OF INDUSTRIAL IOT

McKinsey predicts the economic impact of IoT will reach \$11.1 trillion a year by 2025. To help capture this value, the ThingWorx industrial innovation platform helps organizations transform the way they work and compete in a smart, connected world by rapidly delivering IoT applications, AR experiences and much, much more.

CUSTOMER SUCCESS:

"In just six short weeks, we've gained more visibility into our operations than ever before, reinforcing our investment and belief in the power of the IoT. We can now make smarter and timelier decisions that not only impact our CNC shop, but also help us identify how we can operate more efficiently and profitably across all of our facilities."

-Justin Hester, Senior Researcher, HIROTEC AMERICA

WORKSHOP AGENDA:

Session	Fore-Noon			After-Noon		
	9.00-10.00	10.15-11.45	11.45-12.00	12.45-1.30	1.30-2.30	2.30-3.00
16.09.19	Building a Technical Solution for IoT		IoT Hardware	Thingworx Introduction		Data Model
17.09.19	Things Template creation	Mashup Overview		Data Connection in Mashup	Custom Application view in Dashboard	

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Page 2 of 4

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INVESTMENT DETAILS

S.No	Product Details	Price in INR	Special price for SVCE
1	Workshop on Thingworx IoT (2 days)	40,000	15,000

- * Separate Laptops or Systems for the students to be provided for Hands-on experience.
- * WiFi or Internet facility has to be provided by SVCE
- * Previous day environmental setup would be done by Adroitec.
- * Certificates would be provided from Adroitec.

TERMS AND CONDITIONS

Payment : 100% Advance along with confirmed Purchase order

Taxes : GST 18% extra as applicable

Validity : 10th October,2019

Placement of Order

Adroitec Engineering Solutions (P) Limited
 C-130, Sector-2, Noida - 201 301,Uttar Pradesh
 GST No; 9AAJCA3847P1ZZ
 HSN No: 85238020
 SAC Code: 998313
 PAN No: AAJCA3847P

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Adroitec Engineering Solutions Pvt. Limited

Page 3 of 4

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CIN:U72200DL2011PTC216900,Company Mail ID: info@adroitecengg.com

Website: www.adroitecengg.com

Details for making payment by NEFT mode

S.No	Information Required	Mandatory Details
1	Supplier Firm Name Address	Adroitec Engineering Solutions (P) Ltd
2	Name of the Supplier's Bank and Branch	ICICI Bank Limited, A-194 Okhla Industrial Area, Phase 1 , New Delhi - 110 020
3	Supplier Bank Account Number	Current Account No. 071605000851
4	RTGS/NEFT/IFSC Code	ICIC0000716
5	MICR Code	110229097

We hope the above proposal is in line with your requirement. Should you need any further clarifications, please feel free to contact us

Thanking You

For Adroitec Engineering Solutions Pvt Ltd.,

Swathi S,

Sales Engineer - Enterprise Technologies

Mobile: +91-9600393456

Email: swathi.s@adroitecengg.com

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Adroitec Engineering Solutions Pvt. Limited

Page 4 of 4

C – 130, Sector 2, Noida - 201 301, UP, India

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Website: www.adroitecengg.com

TWO DAYS HANDS-ON WORKSHOP ON THINGWORX IIoT TOWARDS FUTURE INDUSTRIAL CHALLENGES

Organized by

Department Of Electronics and Communication Engineering

in collaboration with

Adroitec Engineering Solutions (P) Limited, Noida

About the workshop:

The workshop is organized on 16th and 17th October 2019 at our department and is open to all our ECE students, having IoT as their area of interest. The participants are strictly limited to maximum of 20 teams with two students per team, based on first come first served basis. The workshop registration fees is Rs.375/- for technically packed two days hands-on session which is very nominal amount for involving the specialized Industrial IOT platform called "THINGWORX" comprising enhanced features, comparing any other IOT platform. This workshop is organized exclusively for the well being to our SVCE students, especially belonging to final year students to do their project work with prior practical knowledge. For registration and for any queries, please contact the event coordinators.

Objective of the workshop:

- ✓ To introduce Internet of Things
- ✓ To introduce Industrial Internet of Things (IIoT) supporting platform, ThingWorx
- ✓ To Create a Live IoT Application through practical hands-on session
- ✓ To Use Case discussion

Outcome of the workshop:

- ✓ Students will be able to build any smart control devices to meet societal need
- ✓ Students will be able to enhance their technical idea for industry based application on their own towards future industrial automation (Industry 4.0) through Virtual or Augmented Reality (VR/AR)

Workshop Agenda:

SESSION	FORENOON			AFTERNOON		
DATE/TIME	9.00 -10.00	10.15-11.45	11.45-12.00	12.45-1.30	1.30-2.15	2.30-3.00
16.10.2019	Building a technical solution for IoT		IoT Hardware	Overview on Thingworx and Industrial IoT		Data Model
17.10.2019	Things Template Creation	Mashup Overview		Data connection in Mashup		Custom application view in Dashboard

NOTE: Please bring your laptop with its charger which is mandatory for the Hands-on session. OD will be given for the days of your participation.




Event coordinators

Dr. R.Gayathri, Associate Professor, ECE
Mr. S.P.Sivagnana Subramanian, Assistant Professor, ECE
Ms. K.S.Subhashini, Assistant Professor, ECE
Ms. S.M.Mehzabeen, Assistant Professor, ECE
Ms. A.Bharathi Priya, Assistant Professor, ECE

Email id : mehzabeen@svce.ac.in; bharathipriya@svce.ac.in

Contact numbers: 9840847247; 7502357937; 9444123626; 9790792194



Convener

Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SVCE/EC/Workshop/IoT/2019-20

09/10/2019

Submitted to the Principal:


Sub: Proposal to organize a two day Hands-on workshop on 'Thingworx IoT in industrial aspects' - reg.

It has been proposed to organize a two days Hands-on workshop on 'Thingworx IoT in industrial aspects' on 16th and 17th October 2019 which is open to all students and faculty members and is specifically targeted for the students of our college whose area of interest is IoT, to get II, III and IV year students benefited.


It is planned to invite industry resource persons in this area from Adroit Engineering Solutions (P) Limited who are directly involved in many private and public sector projects in this IoT platform including Indian Oil Corporation. The company and its resource persons had accepted to conduct the hands-on training session in IoT using their licensed version of the software platform, Thingworx, to our students community. Thingworx licensed platform which is used in this workshop is being practiced in industries towards industry 4.0. The nominal cost involved will be met through the workshop registration fees of the participants. The expected participants are limited to maximum of 40 members.

Also, this workshop will immediately help our final year students who are doing their project in IoT platform and is highly required to these students at his juncture. The knowledge imparted though this workshop will also serve as value added course to other year students.

Hence, it is requested that the above proposal may kindly be approved.


Event Coordinators
[S.P. Sivagnana
Subramanian]

To: HOD-EC
Approved
SP
9/10
PRINCIPAL


HOD-EC | 9/10/19
Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India

Sri Venkateswara College of Engineering, Sriperumbudur
TWO DAYS HANDS-ON WORKSHOP ON THINGWORX IIoT TOWARDS FUTURE INDUSTRIAL CHALLENGES

Organized by
Department Of Electronics and Communication Engineering
 in collaboration with

Adroitec Engineering Solutions (P) Limited, Noida
 (16th and 17th October 2019)

ATTENDANCE SHEET - STUDENTS

S.No	Reg.No.	Name	Dept	Roll No.	Year/ Sec	College	SIGNATURE			
							16/10/2019 (FN)	16/10/2019 (AN)	17/10/2019 (FN)	17/10/2019 (AN)
1	160701048	Gurucharan .R	ECE	48	IV/A	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
2	160701036	Dinesh .C	ECE	36	IV/A	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
3	160701046	Gowtham .R	ECE	46	IV/A	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
4	160701050	Hari Periaswami.E	ECE	50	IV/A	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
5	160701003	Aakash .V	ECE	3	IV/A	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
6	160701054	Jagadeeshwaran	ECE	54	IV/A	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
7	160701077	M.G.Krishna Chaitanya	ECE	77	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
8	160701099	D.L.Nivedika	ECE	99	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
9	160701074	R.Komaleshwari	ECE	74	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
10	160701080	V.Madumitha	ECE	80	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
11	160701066	A.B.Kamatchi	ECE	66	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
12	160701084	N.Mariyappan	FCE	84	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
13	160701095	S.Nagashruthi	ECE	95	IV/B	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
14	160701144	S.Shriram	ECE	144	IV/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
15	160701145	R.Sitharthen	ECE	145	IV/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
16	160701149	SRIRAM E	ECE	149	IV/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
17	160701159	SURENTHAR T.M	ECE	159	IV/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
18	190701090	Saailini D	ECE	92	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
19	190701091	Sahana M	ECE	93	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
20	190701101	Siddique Afraaz N	ECE	102	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
21	190701110	Subhashree - B	ECE	111	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
22	190701105	Sree Murari K	ECE	106	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
23	190701128	Vinothkumar C	ECE	128	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
24	190701129	Vinson Xavier Y	ECE	129	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
25	190701109	Srivanth A	ECE	110	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
26	190701086	Rakesh Velavaluri	ECE	91	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
27	190701098	Seenivasan A	FCE	100	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
28	190701099	Shrilekha J	ECE	99	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]
29	190701124	Vignesh S	ECE	124	I/C	SVCE	[Signature]	[Signature]	[Signature]	[Signature]

[Signature]
 Event coordinators (SVCE)

Dr. R.Gayathri, Associate Professor, ECE
 Mr. S.P.Sivagnana Subramanian, Assistant Professor, ECE
 Ms. K.S.Subhashini, Assistant Professor, ECE
 Ms. S.M.Mehzabeen, Assistant Professor, ECE
 Ms. A.Bharathi Priya, Assistant Professor, ECE

Event coordinator (Adroitec)

Ms. S.Swathi

[Signature]
 Dr. S.Muthukumar

HOD - Dept. of ECE

Dr. S. Muthukumar
Professor & Head
 Department of Electronics and Communication Engineering
 Sri Venkateswara College of Engineering
 Pennalur, Irungattukottai - 602 117.
 Sriperumbudur Taluk, Tamilnadu, INDIA.

SVCE, Pennalur

Dept. of ECE

Faculty members Participation








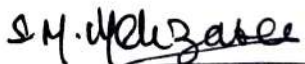


Two days Hands-on Workshop on Thingworx IOT towards Future Industrial Challenges.

Organized by Dept. of ECE

in collaboration with

Admatec Engineering Solutions (P) Limited, Noida

(16th, 17th Oct 2019)

1. Dr. R. Gayathri, Asso. Prof. - ECE 
2. Ms. K.S. Subhashini, AP-ECE 
3. Mr. S. Senthilrajan, AP-ECE 
4. Ms. S. Kalyani, AP-ECE 
5. Ms. R. Kowsalya, AP-ECE - 
6. Ms. L. Anju, AP-ECE 
7. Mr. M.K. Varadardyan, AP-ECE 
8. Mrs. S.M. Mehzaheen, AP-ECE 
9. Ms. A. Bharathi Priya, AP-ECE - 
10. Ms. S.P. Sivagnana Subramanian, AP-ECE. - 


Event Coordinator
12/10/19



Dr. S. Muthukumar
Professor & Head
Department of Electronics and Communication Engineering
Sri Venkateswara College of Engineering,
Pennalur, Irungattukottai - 602 117.
Sriperumbudur Taluk, Tamilnadu, INDIA.

Note:

Participation Certificates were issued to the above ten faculty members for their active participation.

Sri Venkateswara College of Engineering

Autonomous Institution, Affiliated to Anna University, Chennai.

Approved by the A.I.C.T.E. Accredited by NAAC

Post Bag No. 1, Pennalur, Sriperumbudur Tk. 602117 India.

Phone : 91-44-27152000 (20 Lines)

: 27163783/27163784/27107016

Fax : 91-44-27162462 / 27162494

Email : acm@svce.ac.in URL : <https://www.svce.ac.in>



Date: 9th October 2019

To

Adroitec Engineering Solutions (P) Limited,

C-130, Sector-2,

Noida - 201 301,

Uttar Pradesh state.

Ref: Adroitec/2019-2020/IoT/SVCE/333/R1 dated 8th October 2019.

Sub:Conduction of **Two days Hands-on Workshop on 'Thingworx IoT in industrial aspects'** - reg.

With reference to your proposal sent for organizing two days workshop on Thingworx IoT at our college premises to our students and faculty members, the dates (16th and 17th October 2019) for the workshop is hereby confirmed from our side. Also, the required facilities and infrastructure cited in the proposal for the conduction of workshop will completely be provided at our end. Our department will ensure to provide you the support during the event and on previous day of the workshop event for environmental setup required for the purpose of hands-on session to 20 teams of participants. The nominal cost and expenditure involved will be suitably remunerated to the team of resource persons for the conduction of the event.

We are glad to invite your team for the successful conduction of event at our department on the above said dates. Also we feel happy to have such initiative for encompassing Industry Institute Interaction between SVCE and Adroitec Engineering Solutions (P) Limited. We are looking forward from Adroitec for carrying out many events such as internship/Inplant training/Academic projects, etc for the students' community in near future.

HOD - ECE
Dr. S. Muthukumar
Professor & Head

Department of Electronics and Communication Engineering
Sri Venkateswara College of Engineering,
Pennalur, Irungattukottai - 602 117,
Sriperumbudur Taluk, Tamilnadu, INDIA.

Sri Venkateswara College of Engineering, Sriperumbudur

REPORT ON TECHNICAL WORKSHOP

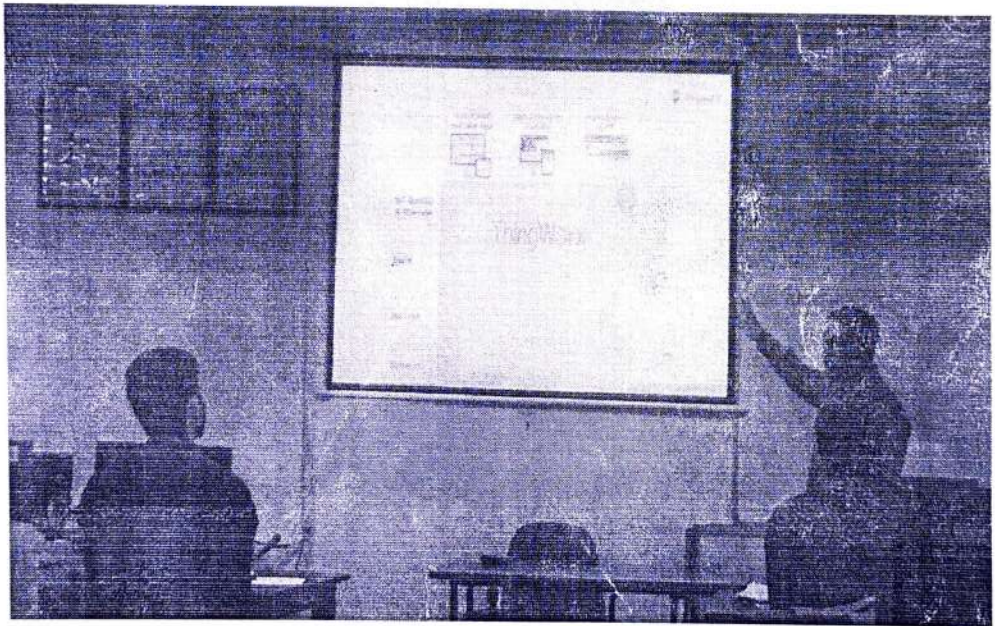
**TWO DAYS HANDS-ON WORKSHOP ON THINGWORX IIoT TOWARDS FUTURE
INDUSTRIAL CHALLENGES**

Organized by
Department Of Electronics and Communication Engineering

in collaboration with
Adroitec Engineering Solutions (P) Limited, Noida

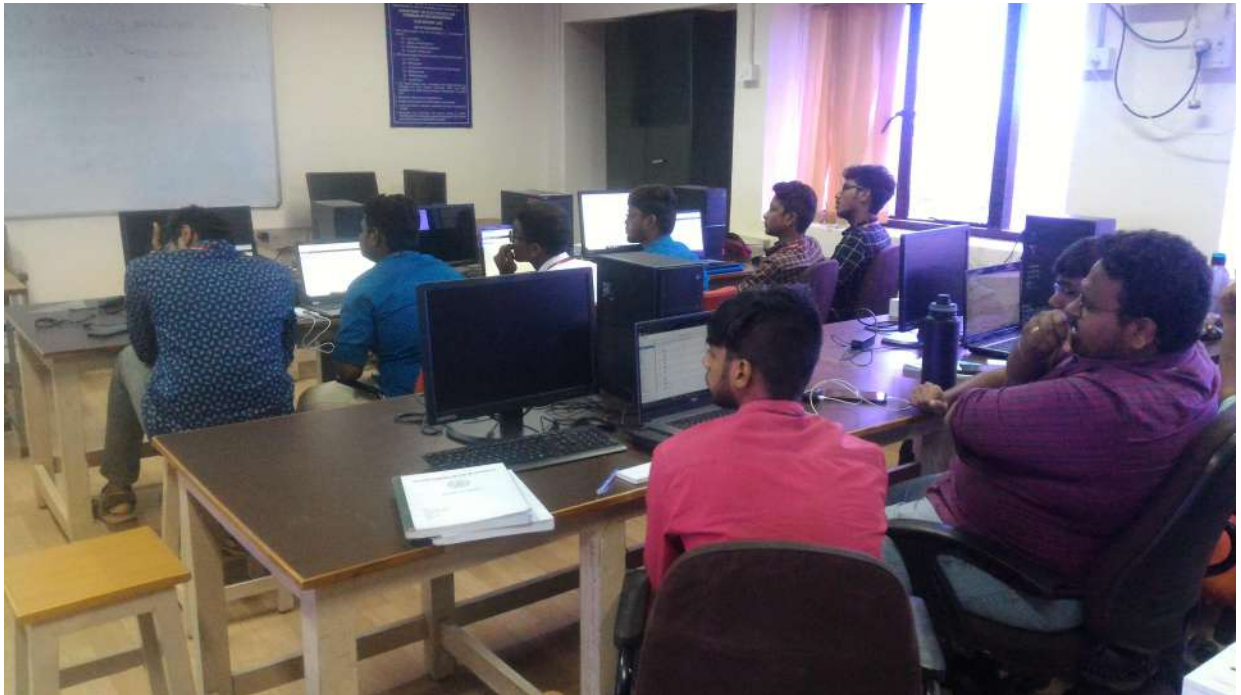
Odd semester :: 2019-20

The hands-on workshop was organized on 16th and 17th October 2019 at our department DSP lab and is open to all our ECE students and faculty members, having IoT as their area of interest. The participants were strictly limited to maximum of 20 teams with two students/faculty members per team and the same was registered based on first come first served basis.

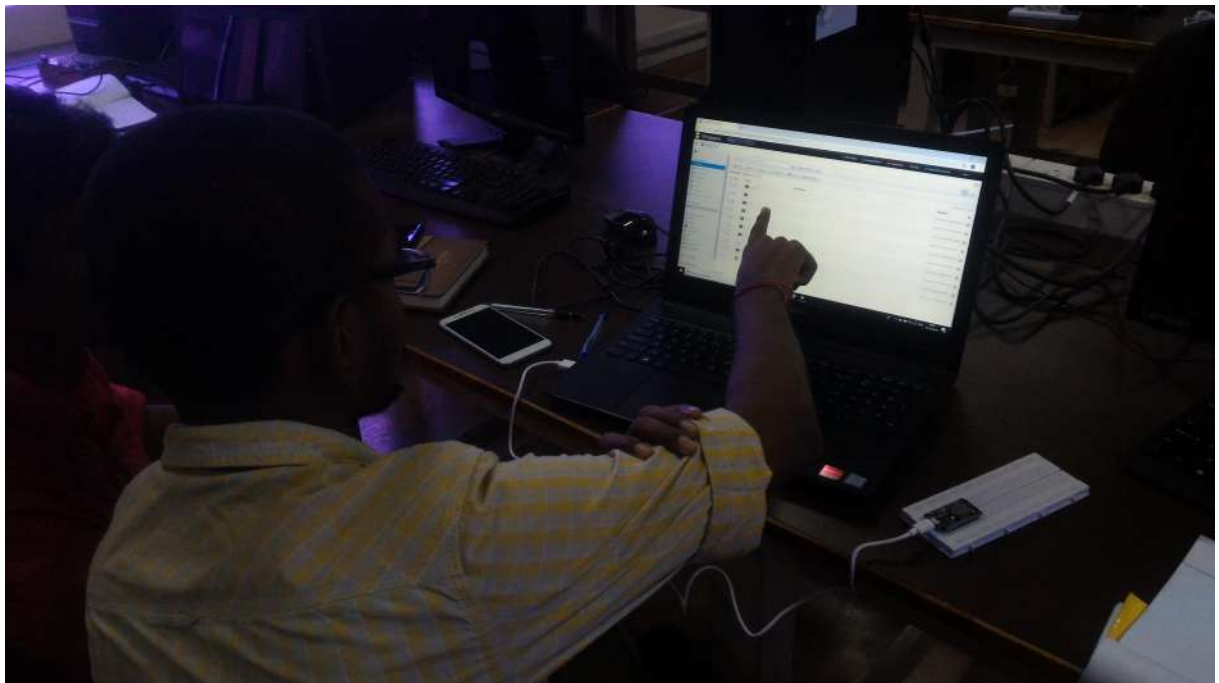


The workshop was coined for technically packed two days with hands-on session by the resource person, Mr. Sasikiran with industrial experience from Adroitec, utilizing specialized Industrial IOT platform called "THINGWORX" which comprises enhanced features, comparing any other IOT platform. This workshop was organized exclusively for the well being to our SVCE

students, especially belonging to final year students to do their project work with prior practical knowledge and for other students as ‘Value added course’.



Workshop was started with basics of Internet of Things and introduced Industrial Internet of Things (IIoT) supporting platform, ThingWorx for Industry 4.0. Live IoT Application was created through practical hands-on session. Case study was also discussed as per the schedule below.



SESSION	FORENOON			AFTERNOON		
	DATE/ TIME	9.00 -10.00	10.15-11.45	11.45-12.00	12.45-1.30	1.30-2.15
16.10.2019	Building a technical solution for IoT		IoT Hardware	Overview on Thingworx and Industrial IoT		Data Model
17.10.2019	Things Template Creation	Mashup Overview		Data connection in Mashup		Custom application view in Dashboard

Mr. Sasikiran had delivered the content continuously for two days without compromising the quality of content delivery right from 1st day, 1st session till 2nd day, last session with utmost energy. This event helped to impart the updated knowledge on IIOT through thingworx-Hands on practice to all participants. As per students' feedback, the event was much more useful and the resource person had delivered the entire contents step by step in such a way to completely follow each and every task.


18/10/19

Event coordinators (SVCE)

Mr. S.P.Sivagnana Subramanian

Dr. R.Gayathri

Ms. K.S.Subhashini

Ms. S.M.Mehzabeen

Ms. A.Bharathi Priya

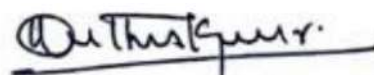
Event coordinator (Adroitec)

Ms. S.Swathi

Convener

Dr. S.Muthukumar

HOD – Dept. of ECE



Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India



SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : ECE

Name of the Speaker	: Sasikiran. c.
Designation	: Application Engineer.
Institution/University/Organisation	: SVCE (Admitted Engineering Solutions)
Mobile / E-mail	: 9940846631/
Title of the Lecture	: IOT workshop using Thingworx.
Date	: 16, 17, 10-2019.
Time	: 9-3PM
Venue	: SVCE
Comments by the Speaker	: well arrange the lab set and good accommodation.
Suggestions for improvement	: Excellent facility NO improvement. For future we need Wi-Fi connectivity for IOT.
Signature of the Speaker	:

Signature of Coordinator




Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sripurambudur - 602 117. India

Signature of HOD

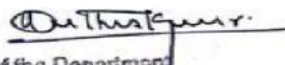


SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	B. Subhashree
Branch/Semester/Section/Roll No.	ECE / I / C / 111
Industry/ Institution Visited	-
Duration of Training/ Course with date	2 days / 16/10 - 17/10
Plants visited during training	-
Whether the training/Course was useful? In what way? Give reasons.	Yes. It gave a platform to know more about IoT and to know about industries
Any other suggestions	If we get to know about further workshops, it will be more useful for us.
Report and Copy of Certificate submitted.	
 HOD	 Signature
	 Faculty Incharge

The person who has attended the course should prepare this in triplicate and submit copies to: **A2, A3 and Dept.**


Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India

Sri Venkateswara College of Engineering, Sriperumbudur
TWO DAYS HANDS-ON WORKSHOP ON THINGWORX IIoT TOWARDS FUTURE INDUSTRIAL CHALLENGES

Organized by
Department Of Electronics and Communication Engineering
in collaboration with
Adroitec Engineering Solutions (P) Limited, Noida
(16th and 17th October 2019)

REGISTRATION FORM

Name of the student : B. SUBHASHREE
Register number : 190701110
Year of study/Department : 2019 1st year / ECE
College : SRI VENKATESWARA COLLEGE OF ENGINEERING
Email ID : jaisubhar17@gmail.com
Mobile No. : 9025824245
Registration amount : Rs. 375/-



Signature of participant


Sri Venkateswara College of Engineering, Sriperumbudur
TWO DAYS HANDS-ON WORKSHOP ON THINGWORX IIoT TOWARDS FUTURE INDUSTRIAL CHALLENGES

Organized by
Department Of Electronics and Communication Engineering
in collaboration with
Adroitec Engineering Solutions (P) Limited, Noida
(16th and 17th October 2019)

REGISTRATION FORM

Name of the student : N. SIDDIQUE AFRAAZ
Register number : 190701101
Year of study/Department : 1st YEAR / ECE
College : SRI VENKATESWARA COLLEGE OF ENGINEERING
Email ID : sidoliqafraaz@gmail.com
Mobile No. : 8248698383
Registration amount : Rs. 375/-

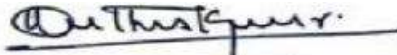

Signature of participant


Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India

Brief Profile of guest speaker cum resource person, Mr.SASIKIRAN

- Mr.SASIKIRAN is working as 'Application engineer' in Adroit Engineering Solutions Private limited, Nungambakkam, Chennai.
- He has hands-on experience in using 'Thingworx', the IOT platform which facilitates for industrial automation.
- He had conducted Thingworx IOT and Vuforia AR workshops to many engineering college students and faculty members in industrial and research perspective.
- He had interacted with many automation industries across the states in India and had given technical guidance.


18/10/19
Event coordinators (SVCE)


Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117. India



adroitec

This is to recognize that Mr. S. SENTHIL RAJAN
of SRI VENKATESWARA COLLEGE OF ENGINEERING
has participated in HANDS-ON WORKSHOP ON THINGWORX IIoT
from 16.10.2019 to 17.10.2019

S. Senthil Rajan

TRAINER

[Signature]

GENERAL MANAGER