

# SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
IN ASSOCIATION WITH

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

20-1-2020

Submitted to the Principal

Respected Sir,

As per the feedback from core industries and the request from the students of Third year, the department of Electronics and Communication Engineering in association with The Institution of Electronics and Telecommunication Engineers (IETE), propose to conduct a **Python Programming & R-Programming workshop** for the ECE students. The Python Programming session will be mentored by the student mentors of the Robotics and Artificial Intelligence Club (RAIC) and the R Programming session will be mentored by **Sirpi Products, Bangalore** and faculties from **Computer Science and Information Technology Departments**. Brochures, certificates, memento and refreshments will be taken care from the IETE-SF funds. We request you to kindly grant permission to conduct the same. The agenda and the expected expenditure are mentioned below for your kind perusal.

Venue:

Conference Hall, Placement Cell.

Agenda:

R - Programming :

SESSION 1 (Tuesday, 11<sup>th</sup> February and Wednesday, 12<sup>th</sup> February )  
2:25PM - 4:15PM

SESSION 2 (Thursday, 13<sup>th</sup> February and Friday, 14<sup>th</sup> February )  
2:25PM - 4:15PM

SESSION 3 (Saturday, 15<sup>th</sup> February )  
9:00 AM - 12:30 PM  
12:30PM - 1:30 PM - Lunch Break

SESSION 4 (Saturday, 15<sup>th</sup> February )  
1:30 PM - 3:00 PM

Python Programming:

SESSION 1 (Tuesday, 10<sup>th</sup> March and Wednesday, 11<sup>th</sup> March )  
2:25PM - 4:15PM

SESSION 2 (Thursday, 12<sup>th</sup> and Friday, 13<sup>th</sup> March )  
2:25PM - 4:15PM

SESSION 3 (Saturday, 14<sup>th</sup> March )  
9:00 AM - 12:30 PM  
12:30PM - 1:30 PM - Lunch Break.

SESSION 4 (Saturday, 14<sup>th</sup> March )  
1:30 PM - 3:00 PM

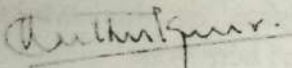
To: HoD-ECE  
This can be offered  
as a Certification  
program for a  
min of 15 hrs (1 Credit)  
pp arrange to do that on  
a regular  
basis by  
26  
24/1 sign up  
with Dept  
& Sirpi.



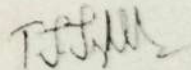
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**THE INSTITUTE OF ELECTRONICS & TELECOMMUNICATION ENGINEERS**  
**R-Programming (15th February, 2020)**

**AGENDA:**

- 8:30AM-8:40 AM: Assembling of participants at the venue.
- 8:40AM - 8:45 AM: Prayer song by S.Madhumitha (II yr ECE B)
- 8:45 AM- 8:50 AM: Welcome address by R. Pooja (II yr ECE B)
- 8:50 AM-8:55 AM: Introduction of chief guest.
- 9:00 AM - 10:00 AM: Review of R-Programming basics.
- 10:00AM - 11:00 AM: Exploratory Data Analysis
- 11:00 AM -12:00 PM: Data Visualization
- 12:00 PM - 12:45 PM: Lunch Break.
- 12:45 PM - 1:45 PM: Building web dashboards using Shiny package
- 1:45 PM - 2:45 PM: Writing reports using markdown.
- 2:45 PM -2.50 PM: Memento for chief guest
- 2:50 PM - 2:55 PM: Vote Of Thanks by Niranjana. S (II yr ECE B)
- 2:55 PM - 3:00 PM: National Anthem

  
Dr S.Muthukumar.

(HOD/EC).



Ms.T.J. Jeyaprabha

(ECEA COORDINATOR)



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**R-PROGRAMMING**

**(11th - 15th February 2020)**

The R-programming workshop was a 5-day certification course conducted by the ECE Association, IETE & RAIC. A total of 50 students comprising of the 2nd and the 3rd year ECE department students attended the session. The first four sessions were handled by the faculty members of the CSE & IT departments. During the first four sessions, the students were briefed about the basics of R-programming which included topics like Data cleaning, Visualization, Grouping, Summarizing and Functional Programming. The final session on the 15th of February from 9 am to 3 pm was a hands-on session which was conducted in the placement cell by Dr. Anand LaKshmanan, Founder and CEO of Sirpi Products and Services Pvt Ltd.

The 2nd year students are awarded with 1 credit and the 3rd year students are awarded with certification on completion of this course.



( Inauguration of the session )





**(Day 1 by Ms. Sugacini)**

**Introduction of R-programming**

**(Day 2 by Ms. Nirmala)**

**Data cleaning & Visualization**



**(Day 3 by Ms. V.Rajalakshmi)**

**Grouping, Summarizing**

**(Day 4 by D.K.S.Gayathri)**

**Functional Programming**





( Hands-on session by Dr. Anand Lakshmanan in the placement cell )



(Organizing team with the Chief Guest)

**COORDINATOR:**

Ms.T.J.Jeyaprabha, Assistant Professor, ECE

Ms. D.Menaka , Assistant Professor , ECE

**CHIEF GUEST:**

Dr.Anand Lakshmanan

### **ORGANIZING COMMITTEE:**

Mr. G.Loganathan , Assistant Professor, ECE  
Ms. R.Kousalya , Assistant Professor , ECE  
Ms. B. Sarala, Assistant Professor ,ECE  
Ms. S. Radhika , Assistant Professor ,ECE  
Ms. M Vidya , Assistant Professor, ECE  
Mr. P Arul, Assistant Professor , ECE

### **FACULTY MENTORS:**

Ms.M.Sugacini, Assistant Professor, IT  
Ms.P.Nirmala, Assistant Professor, IT  
Ms.V.Rajalakshmi, Assistant Professor, CSE  
Dr.K.S.Gayathri, Associate Professor, ECE

### **ORGANISING TEAM**

#### **ECE ASSOCIATION:**


President	Mr.Sudarsshan Krishna
Vice President	Ms.S.Muthulakshmi Mr.Gurucharan
Secretary	Mr.Manas Reddi K
Treasurer	Sudesh Kumar S
Joint Secretary	Mr.Amalan Valliappan M P Ms.Pooja R Mr.Thanigaivel M Ms.Anvita A Ms.Cindrella S.K.
Executive Members	Ms.Maurya V Mr.Rahil Jain Ms.Sushma K Mr.Sandeep Pai K


#### **IETE SF:**

Chairman	Mr.Logeswaran S
Honorary Secretary	Mr.Thejesh J.C
Executive Members	Mr.Harshavardhan P Mr.Niranjan S Ms.Reshmi Jayaranjan Mr.Vishnusai R

#### **RAIC:**

President	Mr.Piyush M
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[IETE - & INCHARGE]

  
[HOD - ECE]



PARTICIPANT DETAILS & FEEDBACK FROM PARTICIPANTS (dated 11<sup>th</sup> to 15<sup>th</sup> Feb 2020)

Timestamp	NAME	YEAR	SECTION	RATING (Scale of 1-5) how much did you like the session) Tuesday	RATING (Scale of 1-5) how much did you like the session) Wednesday	RATING (Scale of 1-5) how much did you like the session) Friday	RATING (Scale of 1-5) how much did you like the session) Saturday	what did you like about this event? Very useful for Basic Learning about R-programming I understood the overall structure of r programming	General Feedback	Suggestions for improvement? All the topics covered are only related to ECE
2020/02/15 2:00:54 PM GMT+5:30	Gopalakrishnan .S	3rd	A	3	5	4	2	4 R-programming I understood the overall structure of r programming	was good	only related to ECE
2020/02/15 2:29:55 PM GMT+5:30	Thilak Praveen	3rd	C	5	5	3	3	5 programming	NIL	NIL
2020/02/15 2:30:23 PM GMT+5:30	V S Akshai	3rd	C	4	4	4	3	5 Informative	Excellent guidance	Nothing to improve
2020/02/15 2:30:29 PM GMT+5:30	Vimalraj.p	3rd	C	5	4	5	3	5 programming We learnt a lot and the Saturday	good	Nil
2020/02/15 2:30:41 PM GMT+5:30	C.kanishka	2nd	A	4	5	4	5	5 session was	Internal	More of external industrial
2020/02/15 2:31:03 PM GMT+5:30	Sarany K	3rd	C	4	2	2	2	5 and interesting. able to learn the basics of r programming	done more Was good on overall basis	people to take Can make us do more practical
2020/02/15 2:31:28 PM GMT+5:30	Madhumitha.s	3rd	B	4	3	4	3	4 thoroughly	having got the experience of	more practical works on system

2020/02/15 2:46:13 PM GMT+5:30	A. Keshika	2nd	B	2	3	3	3	The method of teaching. They really appreciated our The method of teaching. They really appreciated our we learned about data visualisation and its The way the clearing the doubts	The full day was so informative and fun. They The full day was the best. It was so informative and fun. They	Unlike Saturday, other days'sessions made me to Unlike Saturday, other days'sessions made me to
2020/02/15 2:47:18 PM GMT+5:30	A. Keshika	2nd	B	2	3	3	3	5 appreciated our we learned about data visualisation and its The way the clearing the doubts	The full day was so informative and fun. They The full day was the best. It was so informative and fun. They	Unlike Saturday, other days'sessions made me to Unlike Saturday, other days'sessions made me to
2020/02/15 2:49:33 PM GMT+5:30	shivani R	3rd	C	5	5	4	5	5 individual Informative and experience gaining.	Good Overall it was was major feedback. to rashy, not like some	It should be extended Saturday session could have been planned as
2020/02/15 2:59:20 PM GMT+5:30	Santhosh	3rd	C	4	5	5	3	5 very useful Very informative. Made us look at engineering	organised way We would love to have hands on session for few more days	Can arrange for more time If yu extend the session it would be more helpful
2020/02/15 3:01:07 PM GMT+5:30	Jerusha G	2nd	A	3	4	4	3	4 session The way of they interacted without	It was an interactive session The way of they Can extend the session for such interactions with industry	the session cud have been much longer Agenda of what we are gonna learn may be sent earlier so
2020/02/15 3:19:57 PM GMT+5:30	Guda venkata kaushik	3rd	A	2	4	3	4	5 hesitation	Very useful Very informative. Made us look at engineering	Can arrange for more time If yu extend the session it would be more helpful
2020/02/15 3:20:13 PM GMT+5:30	FIONA J P J	2nd	A	2	3	5	5	5 hesitation	Very useful Very informative. Made us look at engineering	Can arrange for more time If yu extend the session it would be more helpful
2020/02/15 3:35:34 PM GMT+5:30	Afiah banu.H	2nd	A	3	5	4	3	5 hesitation	Very useful Very informative. Made us look at engineering	Can arrange for more time If yu extend the session it would be more helpful
2020/02/15 3:39:41 PM GMT+5:30	M.NITHYA	2nd	B	4	4	4	5	5 hesitation	Very useful Very informative. Made us look at engineering	Can arrange for more time If yu extend the session it would be more helpful

*[Handwritten Signature]*

*[Handwritten Signature]*



**PARTICIPANT DETAILS OF R-PROGRAMMING**

11/2/20

Name	Year	Class	Registration No.	Tuesday	Wednesday	Thursday	Friday	Saturday	Paid
Monica.R	2nd Year	ECE-B	180701068	✓					
S.Niraimadi	2nd Year	ECE-B	180701073	✓					
Manu	2nd Year	ECE-B	180701065	✓	✓				
Rishabanath K	2nd Year	ECE-B	180701099	✓	✓				
M.NITHYA	2nd Year	ECE-B	180701076	✓	✓		✓	✓	✓
Madhumitha S	2nd Year	ECE-B	180701061	✓	✓		✓	✓	✓
Pooja.M	2nd Year	ECE-B	180701083	✓	✓		✓	✓	✓
Priya Darshini	2nd Year	ECE-B	180701091	✓	✓		✓	✓	✓
Kritika Agrawal	2nd Year	ECE-B	180701055	✓	✓		✓	✓	✓
Raajesh Baabu S	2nd Year	ECE-B	180701092	✓	✓		✓	✓	✓
M.Mohammed sahil	2nd Year	ECE-B	180701067	✓					
A. Keshika	2nd Year	ECE-B	180701053	✓	✓		✓	✓	✓
Nithya. S	2nd Year	ECE-B	180701077	✓	✓		✓	✓	✓
C.kanishka	2nd Year	ECE-A	180701048	✓	✓		✓	✓	✓
Janushe G	2nd Year	ECE-A	180701045	✓	✓		✓	✓	✓
RONA J P J	2nd Year	ECE-A	180701027	✓	✓		✓	✓	✓
S. NASHINI	2nd Year	ECE-A	180701035	✓	✓		✓	✓	✓
Indhumathi V	2nd Year	ECE-A	180701036	✓	✓		✓	✓	✓
Abhinava.B	2nd Year	ECE-A	180701002	✓	✓		✓	✓	✓
Abirami K	2nd Year	ECE-A	180701003	✓	✓		✓	✓	✓
Ishtony's L. A.	2nd Year	ECE-A	180701037	✓	✓		✓	✓	✓
Harshika	2nd Year	ECE-A	180701034	✓	✓		✓	✓	✓
Afan bhar.H	2nd Year	ECE-A	180701005	✓	✓		✓	✓	✓
P. Noornica	2nd Year	ECE-A	180701019	✓	✓		✓	✓	✓
Kavitha K	2nd Year	ECE-A	180701050	✓	✓		✓	✓	✓
K.SRIHARI	2nd Year	ECE-C	180701129	✓	✓		✓	✓	✓
S. Srinathi	2nd Year	ECE-C	180701193	✓	✓		✓	✓	✓
<del>Manu</del>	<del>2nd Year</del>	<del>ECE-C</del>	<del>180701111</del>	<del>✓</del>	<del>✓</del>		<del>✓</del>	<del>✓</del>	<del>✓</del>
Shabarin haren.v	2nd Year	ECE-C	180701111	✓	✓		✓	✓	✓
Shr. Jii Elancheerian	2nd Year	ECE-C	180701116	✓	✓		✓	✓	✓
Sathyab	2nd Year	ECE-C	180701108	✓	✓		✓	✓	✓
Maniyya S	2nd Year	ECE-C	180701142	✓	✓		✓	✓	✓
<del>S. Srinathi</del>	2nd Year	SWETHA.S	180701139	✓	✓		✓	✓	✓
J.Vishalpoorya	2nd Year		180701147	✓	✓		✓	✓	✓
SUWETHA K	2ND YEAR	ECE C	18070132	✓	✓		✓	✓	✓

Name	Year	Class	Registration No.	Tuesday	Wednesday	Thursday	Friday	Saturday	Paid
S. AMBRISH	3rd Year	ECE-A	170701014						
Guda venkata kaushik	3rd Year	ECE-A	170701039						
Sridaran S	3rd Year	ECE-A	170701035						
S Gopalakrishnan	3rd Year	ECE-A	170701038						
Jaijosh Perumal S	3rd Year	ECE-A	170701048						
Dharmasurya A	3rd Year	ECE-A	170701030						
<b>M. KESLIN</b>									
Kaethana.R	3rd Year	ECE-B	170701061						
Nitish	3rd Year	ECE-B	170701093						
NISHAS	3rd Year	ECE-B	170701091						
Kavwin Kailash N	3rd Year	ECE-B	170701058						
Madhumitha.S	3rd Year	ECE-B	170701075						
<b>Akshay</b>	"	<b>ECE-C</b>							
Subhastree. P. S	3rd Year	ECE-C	170701135						
Soundarya U	3rd Year	ECE-C	170701134						
Voujwal	3rd Year	ECE-C	170701159						
HARIK RISWAN . M	3rd Year	ECE-C	170701146						
Thiak Praveer L	3rd Year	ECE-C	170701148						
Varath N	3rd Year	ECE-C	170701310						
Vinayaraj p	3rd Year	ECE-C	170701154						
Santhosh.S.	3rd Year	ECE-C	170701122						
Sasi Chanes P	3rd Year	ECE-C	170701114						
Saranya K	3rd Year	ECE-C	170701125						
<b>SAIRAM</b>									
<del>V.S</del>									
V.S SANTHOSH	3rd Year	ECE-C							
RAKSHA		ECE-C							
SHIVANI		ECE-C							

T.J. Lynn  
Event Co-ordinator

With thanks  
M.D. ECE