

# 1.2.1(2)

## Add-on Programs

### For A.Y.: 2021-22



### **SRI SIVANI COLLEGE OF ENGINEERING**

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUGV, Vizianagaram-CC-W6  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist. Andhra Pradesh -532410




# SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## LIST OF ADD-ON/CERTIFICATE PROGRAMS

ACADEMIC YEAR: 2021-22

S.NO	Name of the Program	Duration	Number of Participants
1	A Two-Week Add On program on Virtual HR	13.09.2021 to 25.09.2021	81
2	A Two-Week Add On program on Digital and Analog VLSI Design	18.10.2021 to 30.10.2021	59
3	A Two-week Add-On program on Environmental Sustainability and products from Industrial Wastes	25.10.2021 to 06.11.2021	74
4	A One-Week certificate program on Structural Analysis using E-tabs	08.11.2021 to 13.11.2021	32
5	A Two-Week Add On program on Fundamentals of ARDUINO Programming and Hardware Implementation	29.11.2021 to 11.12.2021	75
6	A Two-Week Add On program on Computer Vision	06.12.2021 to 18.12.2021	67
7	A Two-Week Add On program on Introduction to Electrical Cars	27.12.2021 to 8.01.2022	81
8	A Two-Week Add On program on Recent trends in MATLAB and R-programming	14.02.2022 to 25.02.2022	105
9	A Two-Week Add on program on Introduction to Embedded Machine Learning	07.03.2022 to 19.03.2022	49
10	A Two-Week Add on program on Deep Learning	21.03.2022 to 01.04.2022	18
11	A One-Week certificate program on Revit Architecture	09.05.2022 to 15.05.2022	66
12	A Two-Week Add On program on Renewable Energy Sources	09.05.2022 to 20.05.2022	58
13	A One-Week Certificate program on Building Drafting using AutoCAD	16.05.2022 to 21.05.2022	65
14	A Two-Week Add on program on Block Chain Technology and Application Development (BLEND)	17.05.2022 to 29.05. 2022	91

  
IQAC COORDINATOR  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

  
Principal  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 02-09-2021

## CIRCULAR



Here by informed to all the students of MBA, that the Department of Management Studies is planning to organize **A Two-week Add-On Program on "Virtual HR"** from **13-09-2021 to 25-09-2021**. This program is aimed at enhancing your skills and knowledge in the field of Virtual HR that how to connect employees to a range of technologies and HR services when they need them. In this regard, I suggest all the MBA students to enroll this program on or before **08-09-2021**.

**Venue:** Seminar Hall, Block – 1, SSCE.

**Co-ordinator:** Mrs. CH. Keerthana. Asst. Prof,  
Department of Management Studies

  
**Principal**  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

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Signature											

CC To: The Management: for information.



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Management Studies

Academic Year : 2021-22

Date: 02-09-2021

Name of the program: A Two-week Add-On Program on "Virtual HR"

### PROGRAM SCHEDULE

S.No	Date	Topics To Be Covered
1	13-09-2021	Introduction to Virtual HR
2	14-09-2021	Easier access to HR department
3	15-09-2021	On boarding new employees
4	16-09-2021	Reporting performance analytics
5	17-09-2021	Organizing payrolls
6	18-09-2021	Tracking new applicants
7	20-09-2021	Off boarding terminated or retired employees
8	21-09-2021	Security problems
9	22-09-2021	Impersonal practices
10	23-09-2021	Training and development
11	24-09-2021	Compensation and benefit administration
12	25-09-2021	Review and conclusion

  
Program Co-ordinator

  
Head of the Department



## About the Institution

Sri Sivani College of Engineering was established in the year 2006 by the highly motivated and philanthropic personalities well noted in the Srikakulam district for their commitment and concern for upliftment of education. The College recognizes the vital need to produce competent engineering professionals and techno managerial professionals for the development of country. It is spread over 11.10 acres of land, with picturesque landscape providing calm learning atmosphere. The campus is eco-friendly and an ideal location for studies. The institution is established as a co-educational institution and permanently affiliated to JNTUK, Kakinada.

The Management believes in the three principles for the success of true education based on discipline, dedication and commitment. Here the environment is free from all limitations and tensions. The institution aims at achieving excellence in engineering education, not only at basic level but also at advanced levels. Sri Sivani is the abode where the experienced faculty with their broader vision set their goals to fulfill the dreams of the students with better employability skills. Campus recruitments are often conducted by inviting renowned companies. Healthy atmosphere pervades within and outside the campus. Competitive spirit is encouraged among the students. Every year students are presented with meritorious awards and gold medals based on their performance.



## PATRONS

**Sri V.M.M. SAINADH REDDY,**  
President

**Sri J. SURYACHANDRA RAO,**  
Vice President

**Sri K. DURGA SRINIVAS,**  
Secretary

**Sri D. VENKATA RAO,**  
Treasurer

**Sri P. DURGA PRASAD RAJU,**  
Joint Secretary

**Sri S. SRINIVASA RAO,**  
Correspondent

## CHAIRMAN

**Dr. J Bala Bhaskar Rao,**  
Principal,SSCE

## ORGANISING COMMITTEE

**Mr. K. Ravi Kumar**

**Head of the Department**

**Department of Management Studies**

**Program Co-ordinator**

**Mrs. Ch.Keerthana**

Assistant professor

Mobile: 8464816827

Email: [keerthanach505@gmail.com](mailto:keerthanach505@gmail.com)

## Sri Sivani College of Engineering

(Under the Management of Sri Sivani Educational Society, Srikakulam)(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6, UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified) NH-16, Chilakapalem Jn., Srikakulam Dist -532410



**A Two-Week Add-On Program on  
"Virtual HR"**

**13-09-2021 - 25-09-2021**

**Organized  
By**

**Department of Management Studies**





## **ABOUT THE DEPARTMENT**

The Department of management studies was established in the academic year 2008 with an annual intake of 60. The Department is offering full time two year post graduation course since inception of the Institution. The Department focuses on preparing the students for wide range of management careers equipping them with unique enriching experience of molding tomorrow's technocrats with high caliber and commitment.

## **MASTER OF BUSINESS ADMINISTRATION**

MBA. in finance, marketing, human resource management includes study of various aspects to meet the requirements of the various industries. The course contains study of the basic administration and its application, as well as the detailed study of the various aspects of its working. the course of in master of business administration trains an individual in the fields related to finance, marketing, human resource management and its industry.

## **RESOURCE PERSON**

Dr. Prasad Rao Bondada, M.B.A., PhD  
Associate Professor,  
Dept. of MBA,  
Sri Sivani College of Engineering  
prasadaraobondada@gmail.com,  
9912940557

## **PROGRAM CONTENT**

1. Introduction to Virtual HR
2. Easier access to HR department
3. On boarding new employees
4. Reporting performance analytics
5. Organizing payrolls
6. Tracking new applicants
7. Off boarding terminated or retired employees
8. Security problems
9. Impersonal practices
10. Training and development
11. Compensation and benefit administration
12. Review and conclusion



**ROLE OF HR IN  
VIRTUAL WORKPLACE**

## **REGISTRATION FORM**

### **A Two-Week Add-On Program on "Virtual HR"**

**Participant's Name:**

**Gender: Male/Female**

**Educational Qualifications:**

**Department:**

**Organization:**

**Address for Communication:**

**Phone No:**

**Email:**

**Date:**

**Signature of the Participant:**





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Management Studies

Academic Year: 2021-22

Date: 08-09-2021

Name of the program: A Two-Week Add-On Program on "Virtual HR"

### List of Enrolled Students

S.no	Roll no	Name of the Student	Year-Sem	Signature
1	20W61E0002	Andavarapu Asrita	I-II	A. Asrita
2	20W61E0003	A.Saibaba	I-II	A. Saibaba
3	20W61E0004	Arikatota Sai Hemanth	I-II	A. Hemanth
4	20W61E0006	B.Buddeswarao	I-II	B. Buddeswarao
5	20W61E0007	Bobbadi Hemanth Kumar	I-II	B. Hemanth Kumar
6	20W61E0009	Garugu Shanmukha Rao	I-II	G. Shanmukha Rao
7	20W61E0010	Golivi Sekhar	I-II	G. Sekhar
8	20W61E0011	Gudlajeevan Kumar	I-II	G. Gudlajeevan Kumar
9	20W61E00012	Jami.Saranya	I-II	Jami.Saranya
10	20W61E0013	Kodu.Dinesh	I-II	K. Dinesh
11	20W61E0015	Kothapalli Revanth	I-II	K. Revanth
12	20W61E0016	Krishna Praneeth	I-II	K. Praneeth
13	20W61E0017	M.Sateesh Kumar	I-II	M. Sateesh Kumar
14	20W61E0018	Metta Aditya	I-II	M. Aditya
15	20W61E0019	Nandigam Jyothi Swaroop	I-II	N. Jyothi Swaroop
16	20W61E0020	P Likhitha	I-II	P. Likhitha
17	20W61E0022	Pillala Deva Mani	I-II	P. Mani
18	20W61E0023	Ponnana Anil Kumar	I-II	P. Anil Kumar
19	20W61E0026	Pyla Janaki Rao	I-II	P. Janaki Rao
20	20W61E0027	Saladi Anil Kumar	I-II	S. Anil Kumar
21	20W61E0028	Shaik Muntaj Begum	I-II	S. Muntaj Begum
22	20W61E0029	Silla Krishna	I-II	S. Krishna
23	20W61E0030	Swati Kadambala	I-II	S. Swati

24	20W61E0031	Tamada Ramya	I-II	T. Ramya
25	20W61E0032	Tankala Mahendra Naidu	I-II	T. Mahendranaidu
26	20W61E0033	Vandana Sanyasi Naidu	I-II	V. Sanyasinaidu
27	20W61E0034	Vasantulasudheer	I-II	V. Sudheer
28	20W61E0035	Vishnupatruni	I-II	V. Ravalakrishna
29	20W61E0037	Yendamudi Sowmya	I-II	Y. Sowmya
30	21W61E0001	Allu Shirisha	I-I	A. Shirisha
31	21W61E0002	Alupana Hari Deepak	I-I	A. Hari Deepak
33	21W61E0003	Bammidi Tulasidas	I-I	B. Tulasida
34	21W61E0004	Banna Jayaram	I-I	B. Jayaram
35	21W61E0005	Baratam Sai Eswar	I-I	B. Sai Eswar
36	21W61E0006	Basetti Pushpa	I-I	B. Pushpa
37	21W61E0007	Behara Neelima	I-I	B. Neelima
38	21W61E0008	Bevara Maheswari	I-I	B. Maheswari
39	21W61E0009	Boddepalli Harika	I-I	B. Harika
40	21W61E0010	Botsa Ganesh	I-I	B. Ganesh
41	21W61E0011	Buridi Yugandhar	I-I	B. Yugandhar
42	21W61E0012	B. Venkata Ramana Reddy	I-I	B. Venkata Ramana Reddy
43	21W61E0013	Dupplapuri Hari Babu	I-I	D. Hari Babu
44	21W61E0014	Dandupati Rajasekhar	I-I	D. Rajasekhar
45	21W61E0015	Dasari Anil	I-I	D. Anil
46	21W61E0016	Duppada Mounika	I-I	D. Mounika
47	21W61E0017	Girada Vamsi Krishna	I-I	G. Vamsi Krishna
48	21W61E0018	Goddu Dilleswara Rao	I-I	G. Dilleswara Rao
49	21W61E0019	Gudla Divakar	I-I	G. Divakar
50	21W61E0020	Guntrothu Amruth Kumar	I-I	G. Amruth Kumar
51	21W61E0021	Ijjada Durga Prasad	I-I	I. Durga Prasad
52	21W61E0022	Jaddu Prasadu	I-I	J. Prasad
53	21W61E0023	Jamma Sudheer Kumar	I-I	J. Sudheer Kumar
54	21W61E0024	Janni Sudha	I-I	J. Sudha
55	21W61E0025	K.S.V.V.S.Narayana	I-I	K.S.V.V.S. Narayana
56	21W61E0026	Kadagala Damodara Rao	I-I	K. Damodara Rao
57	21W61E0027	Das Kalicharan	I-I	D. Kalicharan
58	21W61E0028	Karri Rambabu	I-I	K. Rambabu
59	21W61E0029	Kintala Abhishek	I-I	K. Abhishek
60	21W61E0030	Kutikuppala Devi Prasad	I-I	K. Devi Prasad



61	21W61E0031	Laveti Raminaidu	I-I	L. Raminaidu
62	21W61E0032	Locherla Naresh	I-I	L. Naresh
63	21W61E0035	Maruji Asha Jyothi	I-I	M. Asha Jyothi.
64	21W61E0036	Mirtivada Hari Babu	I-I	M. Hari Babu
65	21W61E0037	Monangi Shanmukha Rao	I-I	M. Shanmukha Rao
66	21W61E0038	Murapaka Anil Kumar	I-I	Anil. M.
67	21W61E0039	Nakka Mounika	I-I	N. Mounika
68	21W61E0041	Panangipalli Prasoon	I-I	P. Sandhya Rani.
69	21W61E0042	Pappu Sandhya Rani	I-I	P. Sandhya Rani.
70	21W61E0043	Pediredla Madhuri Surya	I-I	P. Madhuri.
71	21W61E0044	Potnuru Bhagyaraj	I-I	P. Bhagyaraj
72	21W61E0046	Rally Sai Kiran	I-I	Sai Kiran. R
73	21W61E0047	Sabbi Suresh	I-I	S. Suresh
74	21W61E0048	Sankabattula Sireesha	I-I	S. Sireesha.
75	21W61E0049	Savara Eswararao	I-I	S. Eswararao
76	21W61E0050	Savara Sandeswara Rao	I-I	S. Sandeswara Rao
77	21W61E0051	Sheik Chandini	I-I	S. Chandini.
78	21W61E0052	Sivala Bhagyam	I-I	S. Bhagyam
79	21W61E0055	Uriti Veera Venkata Sai	I-I	V. Veera Venkata Sai
80	21W61E0056	Voona Sireesha	I-I	V. Sireesha.
81	21W61E0057	Vysyaraju Goutham	I-I	V. Goutham

  
**Program Co-ordinator**

  
**Head of the Department**









48	21W61E0018	Goddu Dilleswara Rao	P	P	P	P	P	P	P	P	P	P	P	P	A
49	21W61E0019	Gudla Divakar	A	P	P	P	P	P	P	P	P	P	P	P	P
50	21W61E0020	Guntrothu Amruth Kumar	P	A	P	P	P	P	P	P	P	P	P	P	P
51	21W61E0021	Ijjada Durga Prasad	P	P	A	P	P	P	P	P	P	P	P	P	P
52	21W61E0022	Jaddu Prasadu	P	P	P	P	P	P	P	P	P	A	P	P	P
53	21W61E0023	Jammaana Sudheer Kumar	P	P	P	A	P	P	P	P	P	P	P	P	A
54	21W61E0024	Janni Sudha	A	P	P	P	P	P	P	P	P	P	P	P	P
55	21W61E0025	K.S.V.V.S.Narayana Murthy	P	P	P	P	P	P	A	P	P	P	P	P	A
56	21W61E0026	Kadagala Damodara Rao	P	P	A	P	P	P	P	P	P	P	P	P	P
57	21W61E0027	Das Kalicharan	P	P	P	A	P	P	P	P	P	P	P	P	P
58	21W61E0028	Karri Rambabu	P	A	P	P	P	P	P	P	P	P	P	P	P
59	21W61E0029	Kintala Abhishek	P	P	P	P	P	A	P	P	P	P	P	P	P
60	21W61E0030	Kutikuppala Devi Prasad	P	P	P	P	A	P	P	P	P	P	P	P	A
61	21W61E0031	Laveti Raminaidu	P	P	P	P	P	P	A	P	P	P	P	P	P
62	21W61E0032	Locherla Naresh	P	P	P	P	P	P	P	A	P	P	P	P	P
63	21W61E0035	Maruji Asha Jyothi	P	P	P	P	P	A	P	P	P	P	P	P	P
64	21W61E0036	Mirtivada Hari Babu	P	P	P	P	P	P	P	P	P	P	A	P	P
65	21W61E0037	Monangi Shanmukha Rao	P	P	A	P	P	P	P	P	P	P	P	P	P
66	21W61E0038	Murapaka Anil Kumar	P	P	P	P	P	P	P	P	P	P	P	P	A
67	21W61E0039	Nakka Mounika	P	P	P	P	P	P	A	P	P	P	P	P	P
68	21W61E0041	Panangipalli Prasoona	P	P	P	P	A	P	P	P	P	P	P	P	P
69	21W61E0042	Pappu Sandhya Rani	P	P	P	A	P	P	P	P	P	P	P	P	P
70	21W61E0043	Pediredla Madhuri Surya	P	P	A	P	P	P	P	P	P	P	P	P	P
71	21W61E0044	Potnuru Bhagyaraj	P	P	P	P	P	P	P	P	A	P	P	P	P
72	21W61E0046	Rally Sai Kiran	A	P	P	P	P	P	P	P	P	P	P	P	P
73	21W61E0047	Sabbi Suresh	P	A	P	P	P	P	P	P	P	P	P	P	P
74	21W61E0048	Sankabattula Sireesha	P	P	P	P	P	P	A	P	P	P	P	P	A
75	21W61E0049	Savara Eswararao	P	P	P	P	P	P	P	P	P	P	A	P	R
76	21W61E0050	Savara Sandeswara Rao	P	P	P	P	P	P	P	A	P	P	P	P	R

77	21W61E0051	Sheik Chandini	P	A	P	P	P	P	P	P	P	P	A	P	Y
78	21W61E0052	Sivala Bhagyam	P	P	P	P	P	P	P	P	P	P	P	P	Y
79	21W61E0055	Uriti Veera Venkata Sai	P	P	P	P	P	A	P	P	P	P	P	P	Y
80	21W61E0056	Voona Sireesha	P	P	P	P	P	P	P	P	P	P	P	P	Y
81	21W61E0057	Vysyaraju Goutham	A	P	P	P	P	P	P	P	P	P	P	P	Y
<b>Signature:</b>			<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>	<del>*</del>

*Q. K. S.*

**Program Co-ordinator**



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Management Studies

Academic year: 2021-22

Date:27-09-2021

### PROGRAM REPORT

**Name of the program** : A Two-week Add-On Program on “Virtual HR”  
**Program duration** : 13-09-2021 to 25-09-2021  
**Details of Resource Person** : Dr. Prasada Rao Bondada, M.B.A, PhD  
Associate Professor,  
Dept. of MBA,  
Sri Sivani College of Engineering  
[prasadaraobondada@gmail.com](mailto:prasadaraobondada@gmail.com),  
9912940557

**Details of Program coordinator** : Mrs Ch.Keerthana, M.B.A  
Assistant Professor,  
Dept. of MBA  
Sri Sivani College of Engineering  
[keerthanach505@gmail.com](mailto:keerthanach505@gmail.com)  
8464816827

#### Objectives of the program:

- To gain knowledge about online platforms and tools, such as video conferencing, online collaboration tools and cloud-based HR software.
- To study remotely and serve clients from anywhere in the world, offering a more flexible work environment.
- To know how to maintain physical office space and reduce travel costs, making it a more cost-effective solution for organisations.
- To know how to maintain clear and consistent communication in crucial in virtual HR.



### Topics covered:

- Introduction to Virtual HR
- Easier access to HR department
- On boarding new employees
- Reporting performance analytics
- Organizing payrolls
- Tracking new applicants
- Off boarding terminated or retired employees
- Security problems
- Impersonal practices
- Training and development
- Compensation and benefit administration
- Review and conclusion



### Outcomes of the program:

On completion of the course, student should be able to:

- In Modern era the HR manager always looking for technology that can enrich the work compatibility of HR process.
- Virtual reality that can be preferred for the HR management for recruiting, employee data base management and to improve their employee productivity and communication, particularly once that are impactful and ease deploy.

- To study the Virtual platform, they choose gives there employee not only a chance to learn from one another but allow them to take advantage of language learn opportunities
- To know once of the primary benefit of virtual HR is cost savings that come with outsourcing HR tasks.

**Number of participants : 81**

**Program Co-ordinator**



**Head of the Department**







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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF MANAGEMENT STUDIES

### CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT MR./MS. SWATI KADAMBALA  
BEARING ROLL NO 20W61E0030 OF I YEAR II SEMESTER HAS COMPLETED  
A TWO-WEEK ADD-ON PROGRAM ON "VIRTUAL HR" DURING THE PERIOD  
13 - 09 - 2021 TO 25 - 09 - 2021.

  
Co-ordinator

  
HOD

  
Principal



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF MANAGEMENT STUDIES

### CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT MR./MS. D. MOUNIKA  
BEARING ROLL NO 211W61E0016 OF II YEAR III SEMESTER HAS COMPLETED  
A TWO-WEEK ADD-ON PROGRAM ON "VIRTUAL HR" DURING THE PERIOD  
13 - 09 - 2021 TO 25 - 09 - 2021.

  
Co-ordinator

  
HOD

  
Principal





# SRI SIVANI COLLEGE OF ENGINEERING

Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF MANAGEMENT STUDIES

### CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT MR./MS. P. LIKHITHA  
BEARING ROLL NO 20W61E0020 OF I YEAR II SEMESTER HAS COMPLETED  
A TWO-WEEK ADD-ON PROGRAM ON "VIRTUAL HR" DURING THE PERIOD  
13 - 09 - 2021 TO 25 - 09 - 2021.

  
Co-ordinator

  
HOD

  
Principal



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF MANAGEMENT STUDIES

### CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT MR./MS. M. ASHA JYOTHI  
BEARING ROLL NO 21W161E0035 OF I YEAR I SEMESTER HAS COMPLETED  
A TWO-WEEK ADD-ON PROGRAM ON "VIRTUAL HR" DURING THE PERIOD  
13 - 09 - 2021 TO 25 - 09 - 2021.

  
Co-ordinator

  
HOD

  
Principal





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF MANAGEMENT STUDIES

### CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT MR./MS. SILLA. KRISHNA.  
BEARING ROLL NO 20W6IE0029 OF I YEAR II SEMESTER HAS COMPLETED  
A TWO-WEEK ADD-ON PROGRAM ON "VIRTUAL HR" DURING THE PERIOD  
13 - 09 - 2021 TO 25 - 09 - 2021.

  
Co-ordinator

  
HOD

  
Principal



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 11-10-2021

## CIRCULAR

This is to inform that the Department of Electronics & Communication Engineering is organizing A Two Week Add-On Program on “Digital and Analog VLSI Design” during 18-10-2021 to 30-10-2021 to the 2<sup>nd</sup> & 3<sup>rd</sup> year ECE students to enhance their skills applicable for job opportunities. While one uses analog components to interact with the real world, digital VLSI components are used to implement the Boolean logic. In this regard, I suggest all the students to enroll for this course on or before 18<sup>th</sup> October 2021.

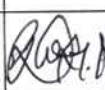









Venue: VLSI Lab, Block – 2, SSCE.

Co-ordinator: Mr. VJEEVAN KUMAR, Asst. Prof,

Department of Electronics & Communication Engineering

  
Principal  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

Dept.	IQAC	Civil	EEE	Mech	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electronics and Communication Engineering

Academic Year : 2021-22

Date: 11-10-2021

Name of the Program: A Two Week Add-on Program on Digital and Analog VLSI Design

### PROGRAM SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	18-10-2021	Chip assembly and routing
2	20-10-2021	Timing and power analysis
3	21-10-2021	Layout design
4	22-10-2021	Design verification
5	23-10-2021	Designing and verifying integrated circuits using industry standard tools and techniques
6	25-10-2021	VLSI front end/backend design automation
7	26-10-2021	System virology HDVL
8	27-10-2021	ASIC Design flow
9	28-10-2021	PERL Scripting
10	29-10-2021	Static timing analysis basics
11	30-10-2021	System on chip(soc) design flow

  
Program Co-ordinator

  
Head of the Department



### ABOUT THE INSTITUTION

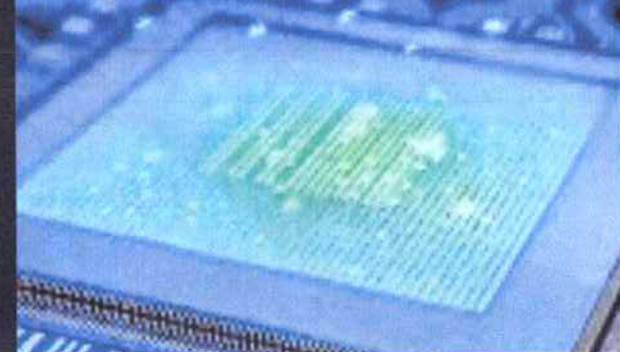
Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society, established in 2006 affiliated to JNTUK, Kakinada. UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified. SSCE is situated in a spacious 12 acres campus adjacent to NH-16 at Chilakapalem, Srikakulam, Andhra Pradesh. SSCE offers B. Tech programs in Civil, C.S.E, E.E.E, E.C.E, Mechanical Engineering and PG programmes M.B.A, M.Tech and Diploma programmes for Civil, E.E.E and Mechanical Engineering. Fully connected through Fiber Optics and Wi-Fi Networks, Endowed with fully Qualified, well experienced and seasoned faculty members equipped with industrial experience and fully established laboratories with state-of-the-art technologies meets the growing needs of the students.

### ABOUT THE DEPARTMENT

The Department of Electronics and Communications Engineering was established in the academic year 2006-07 with an annual intake of 60. Since its commencement, the primary objective of the department has been to impart quality education, training and research at the undergraduate levels in Electronics and Communication Engineering with broad emphasis on design aspects of electronic systems.

The intake was increased to 120 from the academic year 2008-09. Five batches of students have graduated so far. The Department is offering two M.Tech courses Digital Electronics & Communication Systems and VLSI (VLSI). The first PG program DECS (Digital Electronics and Communication Systems) was started in the year 2010. The rapid developments in the field of Electronics triggered the inception of another PG programme on VLSI in the year 2011.

The Department has sufficient spacious classrooms, well-equipped laboratories with an excellent infrastructure. The department has conducted many technical symposiums under the societies of IETE, ISTE and student association named MICROS (Minds of Innovative Communicative and Resplendent Organizing Society) and also has a close interaction with the alumni where their inputs are being used continuously for the improvement of curriculum.



### PATRONS

Sri. V.M.M. Sainadh Reddy, President,  
Sri. J. Suryachandra Rao, Vice President,  
Sri. K. Durga Srinivas, Secretary,  
Sri. D. Venkata Rao, Treasurer,  
Sri. P. Durga Prasad Raju, Joint Secretary,  
Dr. S.Srinivasa Rao, Correspondent,



### CHAIRMAN

**Dr. J Bala Bhaskar Rao**  
Principal, SSCE

### ORGANISING COMMITTEE

**Mr. V.Surya Narayana**

**Head of the Department**

**Program Co-ordinator**

**Mr. V.Jeevan Kumar, Assistant professor**

**Mobile: 9059029876**

**Email: jeevan.vajja@gmail.com**

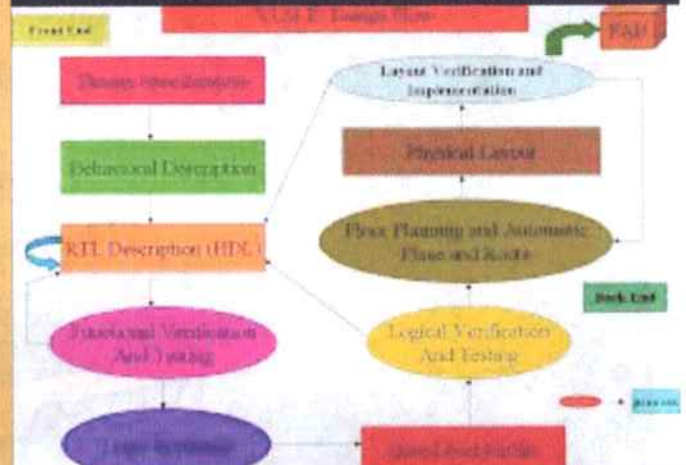
### SRI SIVANI COLLEGE OF ENGINEERING

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### SRI SIVANI COLLEGE OF ENGINEERING

## A Two-Week Add-On Program on "Digital and Analog VLSI Design"



**18-10-2021 to 30-10-2021**

**ORGANIZED BY**

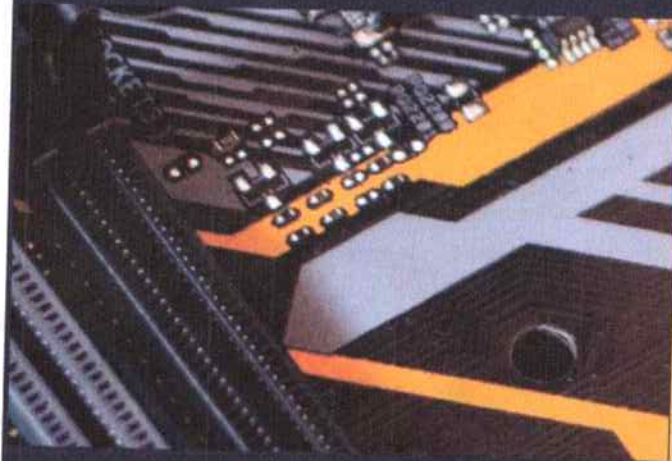
**DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING**





## OBJECTIVES OF THE PROGRAM

- To study HDL based design approach.
- To learn digital CMOS logic design.
- To nurture students with CMOS analog circuit designs.
- To realize importance of testability in logic circuit design.
- To overview SOC issues and understand PLD architectures with advanced features.



## Resource Persons

1. Mr. P. Mohan Krishna, M.Tech  
mohan.424@gmail.com  
9014338355, SVCET
2. K..Vijaya Krishna, M.Tech  
koradavijay425@gmail.com  
8498860741, SSCE



## PROGRAM CONTENT

1. Chip assembly and routing
2. Timing and power analysis
3. Layout design
4. Design verification
5. Designing and verifying integrated circuits using industry standard tools and techniques
6. VLSI front end/backend design automation
7. System virology HDVL
8. ASIC Design flow
9. PERL Scripting
10. Static timing analysis basics
11. System on chip(soc) design flow

## REGISTRATION FORM

A TWO -WEEK ADD-ON PROGRAM  
ON "DIGITAL & ANALOG VLSI  
DESIGN"

**Participant's Name:**

**Gender: Male/Female**

**Educational Qualifications:**

**Department:**

**Organization:**

**Address for Communication:**

**Phone No:**

**Email:**

**Date:**

**Signature of the Participant:**





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electronics and Communication Engineering

Academic Year : 2021-22

DATE: 18-10-2021

Name of the Program: A Two Week Add-on Program on Digital and Analog VLSI Design

### List of Enrolled Students

S.NO	Roll No	Name of the Student	Year-Sem	Signature
1	19W61A0401	Arangi Kartheek	III-I	A. Kartheek
2	19W61A0402	Bairisetti Navya	III-I	B. Navya
3	19W61A0403	Guruvelli Bhavani	III-I	G. Bhavani
4	19W61A0404	Kalla Soma Sundar	III-I	K. Soma Sundar
5	19W61A0405	Kargi Naveen	III-I	K. Naveen
6	19W61A0406	Pinninti Yamuna	III-I	P. Yamuna
7	19W61A0407	Pisini Pavani	III-I	P. Pavani
8	19W61A0408	Regana Saiprasad	III-I	R. Sai Prasad
9	19W61A0409	K Sateeshkumar	III-I	K. Sateesh Kumar
10	19W61A0410	Temburu Sai Kumar	III-I	T. Sai Kumar
11	20W65A0401	Pallela Rishanth	III-I	P. Rishanth
12	20W65A0402	Palla Roshini	III-I	P. Roshini
13	20W61A0401	Allu Murali	II-I	A. Murali
14	20W61A0402	A V M Reddy	II-I	A. V. M. Reddy
15	20W61A0403	A Vandana	II-I	V. Vandana
16	20W61A0404	B Bhargavaram	II-I	B. Bhargavaram
17	20W61A0405	Biyyala Jagadeesh	II-I	B. Jagadeesh
18	20W61A0406	Boddapati Bhargav	II-I	B. Bhargavi
19	20W61A0407	Boina Kusuma	II-I	B. Kusuma
20	20W61A0408	Bonela Chandu	II-I	B. Chandu
21	20W61A0409	Gadila Jyothika	II-I	G. Jyothika
22	20W61A0410	Gatti Sushma	II-I	G. Sushma
23	20W61A0411	G Tarun Kumar	II-I	G. Tarun Kumar



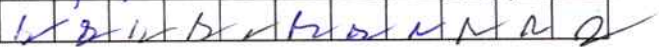
24	20W61A0412	Gollangi Jagadeesh	II-I	G. Jagadeesh
25	20W61A0413	Gondu Saikumar	II-I	G. Saikumar
26	20W61A0414	Kadagala Ashok	II-I	K. Ashok
27	20W61A0415	Kadiyala Ravendra	II-I	K. Ravendra
28	20W61A0416	Kallepalli Mounika	II-I	Kallepallimounika
29	20W61A0417	Karnena Sai Vineeth	II-I	K. Sai Vineeth
30	20W61A0418	Kintali Sri Ramya	II-I	K. Sri Ramya
31	20W61A0419	K Hemalatha	II-I	K. Hemalatha
32	20W61A0420	K Sujatha	II-I	K. Sujatha
33	20W61A0421	K Pavan Kumar	II-I	K. Pavan Kumar
34	20W61A0422	Lenka Sankara Rao	II-I	L. Sankara Rao
35	20W61A0423	M Vamsikrishna	II-I	M. Vamsi Krishna
36	20W61A0424	Malla Venkata Sai	II-I	M. Venkata Sai
37	20W61A0425	M Venkata Ramana	II-I	M. Venkata Ramana
38	20W61A0426	Merugu Kamaraju	II-I	M. Kamaraju
39	20W61A0427	Neelam Kavya	II-I	N. Kavya
40	20W61A0428	Palle Aditya	II-I	P. Aditya
41	20W61A0429	Pappala Pavan	II-I	P. Pavan
42	20W61A0430	Pappala Swetha	II-I	P. Swetha
43	20W61A0431	Pitta Anil Kumar	II-I	P. Anil Kumar
44	20W61A0432	Purriboina Bhavani	II-I	P. Bhavani
45	20W61A0433	Routhu Sudheer	II-I	R. Sudheer
46	20W61A0434	Sahukara Kavitha	II-I	S. Kavitha
47	20W61A0435	S Sai Swapna	II-I	S. Sai Swapna
48	20W61A0436	Santra Chandini	II-I	S. Chandini
49	20W61A0437	Savara Nagaraju	II-I	S. Nagaraju
50	20W61A0438	Seepana Rakesh	II-I	Seepana Rakesh
51	20W61A0439	S Bhagyalakshmi	II-I	S. Bhagyalakshmi
52	20W61A0440	Suru Nandini	II-I	S. Nandini
53	20W61A0441	Taddi Divya	II-I	T. Divya
54	20W61A0442	T L Pravallika	II-I	T. L. Pravallika
55	20W61A0443	Tamarapalli Tarun	II-I	T. Tarun
56	20W61A0444	Tarra Prasanna	II-I	T. Prasanna
57	20W61A0445	V Prudvijayanth	II-I	V. Prudvijayanth
58	20W61A0446	Vavilapalli Santosh	II-I	V. Santosh
59	20W61A0447	Y Bhanu Prakash	II-I	Y. Bhanu Prakash

  
Program Coordinator

  
Head of the department





25	20W61A0413	Gondu Saikumar	P	P	P	P	P	P	P	A	P	P	P
26	20W61A0414	Kadagala Ashok	P	P	P	P	P	P	P	P	P	P	P
27	20W61A0415	Kadiyala Ravendra	P	P	P	P	P	P	P	P	P	P	P
28	20W61A0416	Kallepalli Mounika	P	P	P	P	P	P	P	P	P	P	P
29	20W61A0417	Karnena Sai Vineeth	P	A	P	P	P	P	P	P	P	P	P
30	20W61A0418	Kintali Sri Ramya	P	A	P	P	P	P	P	P	P	P	P
31	20W61A0419	K Hemalatha	P	P	P	P	P	P	P	P	P	P	P
32	20W61A0420	K Sujatha	P	P	P	P	A	P	P	P	P	P	P
33	20W61A0421	K Pavan Kumar	P	P	A	P	P	A	P	P	P	P	P
34	20W61A0422	Lenka Sankara Rao	P	P	P	P	P	A	P	P	P	A	P
35	20W61A0423	M Vamsikrishna	A	P	P	P	P	P	P	A	P	P	P
36	20W61A0424	Malla Venkata Sai	P	A	P	A	P	P	P	P	P	P	P
37	20W61A0425	M Venkata Ramana	P	P	P	P	P	P	P	P	P	P	P
38	20W61A0426	Merugu Kamaraju	P	P	P	P	P	P	P	P	P	P	P
39	20W61A0427	Neelam Kavya	A	P	P	P	P	P	P	P	P	P	P
40	20W61A0428	Palle Aditya	P	P	P	P	P	P	P	P	P	P	P
41	20W61A0429	Pappala Pavan	P	P	P	A	P	P	P	P	P	P	P
42	20W61A0430	Pappala Swetha	A	P	P	A	P	P	P	P	P	P	P
43	20W61A0431	Pitta Anil Kumar	P	P	P	P	P	P	P	P	P	A	P
44	20W61A0432	Purriboina Bhavani	P	A	P	P	P	P	P	P	P	P	P
45	20W61A0433	Routhu Sudheer	P	P	P	P	P	P	P	P	P	P	P
46	20W61A0434	Sahukara Kavitha	P	P	P	P	P	P	P	P	P	P	P
47	20W61A0435	S Sai Swapna	P	P	P	P	P	P	P	A	A	A	P
48	20W61A0436	Santra Chandini	P	P	P	P	P	P	P	P	P	P	P
49	20W61A0437	Savara Nagaraju	P	P	A	P	P	P	P	P	P	P	P
50	20W61A0438	Seepana Rakesh	P	P	P	P	P	P	P	P	P	P	P
51	20W61A0439	S Bhagyalakshmi	P	P	P	P	P	P	P	P	P	P	P
52	20W61A0440	Suru Nandini	P	P	P	P	P	A	P	P	P	P	P
53	20W61A0441	Taddi Divya	P	P	P	P	P	P	P	P	P	A	P
54	20W61A0442	T L Pravallika	P	P	P	P	P	P	P	P	P	P	P
55	20W61A0443	Tamarapalli Tarun	P	P	P	A	P	P	P	P	P	P	P
56	20W61A0444	Tarra Prasanna	A	P	P	P	A	P	P	P	P	P	P
57	20W61A0445	V Prudvijayanth	P	P	P	P	P	P	P	P	P	P	P
58	20W61A0446	V Santosh	P	P	P	P	P	P	P	P	P	P	P
59	20W61A0447	Y Bhanu Prakash	P	P	P	P	P	P	P	A	P	P	P
Signature													

  
Program Coordinator





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electronics and Communication Engineering

Academic Year: 2021-22

DATE: 01-11-2021

### PROGRAM REPORT

**Name of the Program** : A Two Week Add-On Program on **Digital and Analog VLSI Design**

**Program Duration** : **18-10-2021 to 30-10-2021**

**Name of the Resource Person & Details** : Mr.P.Mohan krishna, M.Tech

Assistant Professor

Dept. of E.C.E, [mohan.424@gmail.com](mailto:mohan.424@gmail.com)

9014338355

Mr.K.Vijaya Krishna,M.Tech

Assistant Professor

Dept. of E.C.E, [koradavijay425@gmail.com](mailto:koradavijay425@gmail.com)

8639595754

**Details of the Program Coordinator** : Mr.V.Jeevan kumar, M.Tech

Assistant Professor,

Dept. of E.C.E, [jeevanvajja@gmail.com](mailto:jeevanvajja@gmail.com)

9059029876

### **Objectives of the program:**

- To study HDL based design approach
- To learn digital CMOS logic design
- To nurture students with CMOS analog circuit design
- To overview SOC issues and understand PLD architectures with advanced features



### Topics covered:

- Chip assembly and routing
- Timing and power analysis
- Layout design
- Design verification
- Designing industry standard tools and techniques
- VLSI frontend/backend design automation
- System virology HDVL
- ASIC Design flow
- Perl scripting

- Static timing analysis basic
- SOC design flow

**Outcomes of the program:**

- Model digital systems in VHDL and system at different levels of abstraction.
- To understand various memory organization and management techniques.
- Estimate and analyses the power dissipation in VLSI circuits.

**Number of Participants: 59**

  
**Program Co-ordinator**





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist-532410, Andhra Pradesh, India.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. A. Karthick  
bearing Roll No 19W61A0401 of III Year 2 Semester has completed  
A Two Week Add-On Program on “Digital and Analog VLSI Design” during the  
period 18-10-2021 to 30-10-2021 organized by Department of Electronics and  
Communication Engineering.

  
Co-ordinator

  
HOD

  
Principal



# SRI SIVANI COLLEGE OF ENGINEERING

(Under the management of Sri Sivani Educational Society, Srikakulam)

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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 certified)

NH-16, Chilakapalem Jn., Srikakulam Dist-532410, Andhra Pradesh, India.


## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. A. Murali

bearing Roll No 20261A0401 of II Year I Semester has completed

A Two Week Add-On Program on “**Digital and Analog VLSI Design**” during the period **18-10-2021 to 30-10-2021** organized by Department of Electronics and Communication Engineering.

  
Co-ordinator

  
HOD

  
Principal





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist-532410, Andhra Pradesh, India.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. G. Tarun Kumar

bearing Roll No 200261A0411 of II Year I Semester has completed

A Two Week Add-On Program on “**Digital and Analog VLSI Design**” during the period **18-10-2021 to 30-10-2021** organized by Department of Electronics and Communication Engineering.

  
Co-ordinator

  
HOD

  
Principal



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., SrikakulamDist -532410

Date: 18-10-2021


## CIRCULAR

This is to inform that the Department of Mechanical Engineering is organizing A **Two Week Add-on Program on "Environmental sustainability and products from industrial waste"** from **25/10/2021 to 06/11/2021**. Participants will gain insights into the principles of environmental sustainability, including the importance of reducing, reusing, and recycling, Waste management, product innovation, Industry insights. The most important part of this course will be that each topic will be encourage the application of knowledge in real-world scenarios. Interacting with experts in the field to gain a deeper understanding of current trends and opportunities in environmental sustainability. In this regard, I suggest all 2<sup>nd</sup> and 3<sup>rd</sup> year mechanical students to enroll this course on or before 21/10/2021.












**Venue:** Seminar hall, Block-1

**Coordinator:** Mr. D. Santosh Kumar, Asst. Professor

Dept. of Mechanical Engineering

  
**Principal**  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

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Signature											

CC To: The Management: for information.





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., SrikakulamDist -532410

## Department of Mechanical Engineering

Academic Year: 2021 – 2022

Date: 21/10/2021

### PROGRAM SCHEDULE

**Name of the Program:** A Two Week Add-on Program on “Environmental sustainability and products from industrial waste”

S.NO	DATE	Topics to be covered
01	25/10/2021	Introduction to Environmental Sustainability
02	26/10/2021	Sustainable Practices in Engineering
03	27/10/2021	Principles of Waste Management
04	28/10/2021	Recycling Techniques
05	29/10/2021	Minimizing Industrial Waste Generation
06	30/10/2021	Lean Manufacturing and Waste Reduction
07	01/11/2021	Identifying and Sorting Industrial Waste
08	02/11/2021	Repurposing Industrial Waste
09	03/11/2021	Introduction to Circular Economy
10	05/11/2021	Designing Products from Waste Materials
11	06/11/2021	Group Formation and Project Assignment

D. Santosh Kumar  
Program Coordinator

  
Head of the Department

### Objective :

The "Environmental Sustainability and Products from Industrial Waste" add-on program is designed to educate students about sustainability and the potential for turning industrial waste into valuable products.

The objective is to foster a mindset of sustainability and circular economy principles, promoting environmental responsibility.

### Expected Outcomes :

- Grasp Sustainability Fundamentals Learn how industrial waste can be repurposed and transformed into valuable products.
- Analyze best practices and case studies in the field of environmental sustainability
- Evaluate successful sustainability initiatives and their impact on industries
- Generate ideas and strategies for promoting sustainability and reducing waste in industrial processes.
- Apply circular economy principles to real-world scenarios

### How To Apply :

Completed application form as per the formats given should reach the convener latest by 21/10/2021. A scanned copy of the filled in form can also be mailed to [dsantosh746@gmail.com](mailto:dsantosh746@gmail.com). In case of delay, filled in copy can be submitted at registration desk on the day of workshop. *Kindly confirm your presence to Sri. D. Santosh kumar*

### Registration and Fees : FREE

\*\*\*\*Spot Registration is available\*\*\*\*

### Resource Persons :

**Mr. S. Lakshmana Raju, M.Tech(Phd)**

Assoc professor, Mech department,  
**Sri Sivani college of engineering**  
Srikakulam

Mail: [Laman.raju@gmail.com](mailto:Laman.raju@gmail.com)

Ph.no:- 9440678357



### Biomass sources :



## REGISTRATION FORM



### Two-Week Add-On Programme ON

## “Environmental Sustainability and Products from Industrial Waste”

25/10/2021 to 06/11/2021

Participant's name :  
Gender: Male/Female :  
Educational Qualification :  
Department :  
Organization: :  
Address for Communication :

Mobile Number :  
Email ID :  
Fee Particulars : Free

Date: Signature of the Participant

(Signature of the Head of the Institution)



## About the Institution:

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society. SSCE is a pioneer in the field of engineering education in Srikakulam district (A.P). It was established in the year 2006 under the affiliation of JNT University, Kakinada and approved by AICTE, New Delhi. The college is UGC Recognition under 2(f) & 12(B) certified by ISO 9001:2015.

SSCE is situated in a spacious 11 acres campus adjacent to NH-16 at chilkapalem village. The college is easily accessible to all the districts nearby Srikakulam.

SSCE offers B.Tech programmes in E.E.E, E.C.E, C.S.E, Mechanical and Civil Engineering, besides PG programmes M.C.A, M.B.A, M.Tech and Diploma programmes like E.E.E, Mechanical, and Civil Engineering as second shift.

SSCE is completely Wi-Fi enabled and equipped with well established laboratories. The college has focused towards student centric learning atmosphere. The faculty is well qualified, experienced equipped with state of art technologies and dedicated to produce marketable products.

## About the Department:

SSCE started Mechanical Engineering programme in 2009. The Faculty in the department are in the track of excellence in terms of qualification and experience. Coming from various reputed universities, industries and research oriented organizations, faculty are committed to the noble cause of teaching learning process synchronizing with their efforts. It gives facilities to train in analytical, simulation, design and development and experimental techniques in the Capstone Project. Our department students are developing good research skills, technical and managerial skills which help them to become good technocrats in the society.

The laboratories under various domains are fully equipped with up to date experimental facilities and machineries to train our students and to conduct research. Its got trained in Solid Edge design laboratory, AutoCAD, and ANSYS software. They are also trained in characterizing the microstructure of materials using optical microscope interfaced with image analyzer, hardness tester after making heat treatment such as quenching and tempering, induction hardening and normalizing. These kinds of laboratory trainings are very essential to work in various industries. The departmental project allows students to develop innovative concepts such as robot, automated cars and solar powered equipments and alternate fuel development etc.



### Chief Patron :

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**Sri. P. Durga Prasad Raju**

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**Dr. S. Srinivasa Rao**

*Correspondent, Sri Sivani Group of Colleges*

### Chairman

**Dr. J. Bala Bhaskara Rao,**

*Principal, Sri Sivani college of engineering*

### Organising Committee

**Mr. L. S. S. Deekshit,**

*Assoc Professor, Dept. of Mech*

*H.O.D, Sri Sivani College of Engineering*

### Program-Coordinators :

**Mr. D. Santosh Kumar**

*Assistant Professor, Dept. of Mech*

*Sri Sivani College of Engineering*

### Organizing Committee :

All the Staff and Student members of Department of Mechanical Engineering, Sri Sivani College of Engineering, Srikakulam, Andhra Pradesh, India.



**Two Week Add-On  
Program  
ON**



## Environmental sustainability and Products from Industrial Waste

25/10/2021 to 06/11/2021.



*Organized by*

**DEPARTMENT OF MECHANICAL  
ENGINEERING**

## Sri Sivani College of Engineering

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NH-16, Chilakapalem Jn., SrikakulamDist -532410

## Department of Mechanical Engineering

Academic Year: 2021 – 2022

Date: 21/10/2021

Name of the Program: A Two Week Add-on Program on Environmental Sustainability and Products from Industrial Waste.

### LIST OF ENROLLED STUDENTS

Sl.No	Roll.No.	Name of the Student	Year/Sem	Signature
1	19w61a0301	Abothula Govinda Rao	III/I	A. Govinda Rao
2	19w61a0303	Ganagalla Ganesh	III/I	G. Ganesh
3	19w61a0304	Ganagalla Pavan Surya	III/I	G. Pavan Surya
4	19w61a0306	Konna Bharath Chakravarthi	III/I	K. Bharath Chakravarthi
5	19w61a0307	Kunapalli Aravind	III/I	K. Aravind
6	19w61a0309	Lingala Bhaskara Rao	III/I	L. Bhaskara Rao
7	19w61a0310	Marpu Mani Durga Prasad	III/I	M. Mani Durga Prasad
8	19w61a0311	Meesala Durga Prasad	III/I	M. Durga Prasad
9	19w61a0312	Pondara Abhinash	III/I	P. Abhinash
10	19w61a0314	Savara Simha Chalam	III/I	S. Simha Chalam
11	20w65a0301	Buddepu Chandra Sekhar	III/I	B. Chandra Sekhar
12	20w65a0303	Dasari Ravikiran	III/I	D. Ravikiran
13	20w65a0305	Gouthu Uday Kumar	III/I	G. Uday Kumar
14	20w65a0306	Gunda Haresh	III/I	G. Haresh
15	20w65a0307	Kallepalli Pavan Kumar	III/I	K. Pavan Kumar
16	20w65a0308	Karri Saikrishna	III/I	K. Sai Krishna
17	20w65a0309	Kella Koteswara Rao	III/I	K. Koteswara Rao
18	20w65a0310	Koda Prabhu Dev	III/I	K. Prabhu Dev
19	20w65a0311	Kottakota Ramu	III/I	K. Ramu
20	20w65a0312	Kuna Jeevan Kumar	III/I	K. Jeevan Kumar
21	20w65a0313	Mandala Sobhanbabu	III/I	M. Sobhanbabu
22	20w65a0315	Pasala Hari Krishna	III/I	P. Hari Krishna
23	20w65a0316	Patnala Pradeep	III/I	P. Pradeep
24	20w65a0318	Rokalla Vamsi	III/I	R. Vamsi
25	20w65a0319	Routhu Nivas	III/I	R. Nivas
26	20w65a0321	Savirigana Chinna Rao	III/I	S. Chinna Rao
27	20w65a0322	Simma Pavan Kalyan	III/I	S. Pavan Kalyan
28	20w65a0323	Timmala Prasanth	III/I	T. Prasanth



29	20w65a0325	Uppada Jayaram	III/I	U. Jayaram
30	20w65a0326	Uttaravalli Vidya Sagar	III/I	U. Vidya Sagar
31	20w65a0327	Yanda Simhachalam	III/I	Y. simhachalam
32	20w61a0301	Arika Daniyelu	II/I	A. Daniyelu
33	20w61a0302	B Praveen Kumar	II/I	B. Praveen Kumar
34	20w61a0303	Basura Giridhar	II/I	B. Giridhar
35	20w61a0304	Biddika Palgunarao	II/I	B. Palgunarao
36	20w61a0305	Chinnala Amarnadh	II/I	Ch. Amarnadh
37	20w61a0306	Durga Pradhan	II/I	Durga Pradhan
38	20w61a0308	Gangarapu Santhosh Kumar	II/I	G. Santhosh Kumar
39	20w61a0311	Jalla Sai Ganga	II/I	J. Sai Ganga
40	20w61a0313	Karanam Aravind Kumar	II/I	K. Aravind Kumar
41	20w61a0315	Kottubadi Jagadeesh	II/I	K. Jagadeesh
42	20w61a0316	Koyyana Harshavardhan	II/I	K. Harshavardhan
43	20w61a0317	Lenka Manikantha	II/I	L. Manikantha
44	20w61a0318	Mandareddy Lokesh	II/I	M. Lokesh
45	20w61a0319	Muchi Naveen	II/I	M. Naveen
46	20w61a0320	Potnuru Sunil Sai	II/I	P. Sunil Sai
47	20w61a0322	Puti Anil Kumar	II/I	P. Anil Kumar
48	20w61a0323	Rituhu Pradhan	II/I	R. Pradhan
49	20w61a0324	Sadhu Jagadeesh	II/I	S. Jagadeesh
50	20w61a0325	Siddeswara Akhil	II/I	S. Akhil
51	20w61a0326	Simma Hemanth Kumar	II/I	S. Hemanth Kumar
52	20w61a0327	Siripuram Bhujangarao	II/I	S. Bhujangarao
53	20w61a0328	Suravarapu Yeswanth	II/I	S. Yeswanth
54	20w61a0329	Valluru Lokesh	II/I	V. Lokesh
55	20w61a0330	Velamala Ravindra	II/I	V. Ravindra
56	20w61a0331	Vibhudi Vamsi	II/I	V. Vamsi
57	21w65a0302	Besi Krishna Rao	II/I	B. Krishna Rao
58	21w65a0303	Bogi Pradeepkumar	II/I	B. Pradeepkumar
59	21w65a0304	Cheepuru Saiprasad	II/I	Ch. Saiprasad
60	21w65a0305	Gangitla Harinath	II/I	G. Harinath
61	21w65a0306	Gantyada Lokesh	II/I	G. Lokesh
62	21w65a0307	Gara Anil	II/I	G. Anil
63	21w65a0308	Golivi Dhana Dileep	II/I	G. Dhana Dileep
64	21w65a0309	Guntamukkala Mehar Mourya	II/I	G. Mehar Mourya
65	21w65a0310	Jalumuru Thirumalarao	II/I	J. Thirumalarao
66	21w65a0312	Kalluri Chandu	II/I	K. Chandu
67	21w65a0313	Lolugu Sivendra	II/I	L. Sivendra
68	21w65a0314	Maddili Ganesh	II/I	M. Ganesh

69	21w65a0315	Mamidi Jayadev	II/I	M. Jayadev
70	21w65a0318	Panapana Ranjith	II/I	P. Ranjith
71	21w65a0319	Ratnala Rakesh	II/I	P. Rakesh
72	21w65a0321	Tammineni Sai Santosh	II/I	T. Sai Santosh
73	21w65a0322	Thota Avinash	II/I	T. Avinash
74	21w65a0324	Burela Naveen	II/I	B. Naveen

D. Santosh Kumar  
Program Coordinator

  
Head of the Department





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 NH-16, Chilakapalem Jn., SrikakulamDist -532410

## Department of Mechanical Engineering

Academic Year : 2021 – 2022

### DAY-WISE ATTENDANCE SHEET

Name of the Program: A Two Week Add-on Program on Environmental Sustainability  
 and Products from Industrial Waste.

Sl.No	Roll.No.	Name of the Student	01	02	03	04	05	06	07	08	09	10	11
			25/10	26/10	27/10	28/10	29/10	30/10	1/11	2/11	3/11	5/11	6/11
1	19W61A0301	Abothula Govinda Rao	P	P	P	P	A	P	P	P	P	P	P
2	19W61A0303	Ganagalla Ganesh	P	A	P	P	P	P	P	P	P	P	P
3	19W61A0304	Ganagalla Pavan Surya	P	P	P	A	P	P	P	P	P	P	P
4	19W61A0306	Konna Bharath Chakravarthi	P	P	P	P	P	A	P	P	P	P	P
5	19W61A0307	Kunapalli Aravind	P	A	P	P	P	P	P	P	P	P	P
6	19W61A0309	Lingala Bhaskara Rao	P	P	A	P	P	P	P	P	P	P	P
7	19W61A0310	Marpu Mani Durga Prasad	P	P	P	P	P	A	P	P	P	P	P
8	19W61A0311	Meesala.Durga Prasad	P	P	P	A	P	P	P	P	P	P	P
9	19W61A0312	Pondara Abhinash	P	P	P	P	P	P	P	P	P	P	P
10	19W61A0314	Savara.Simha Chalam	P	P	P	P	A	P	P	P	P	P	P
11	20W65A0301	Buddepu Chandra Sekhar	P	P	P	P	P	A	P	P	P	P	P
12	20W65A0303	Dasari Ravikiran	P	P	P	P	P	P	P	P	P	P	P
13	20W65A0305	Gouthu Uday Kumar	A	P	P	P	P	P	P	P	P	P	P
14	20W65A0306	Gunda Haresh	P	P	A	P	P	P	P	P	P	P	P
15	20W65A0307	Kallepalli Pavan Kumar	P	P	P	P	A	P	P	P	P	P	P
16	20W65A0308	Karri Saikrishna	A	P	P	P	P	P	P	P	P	P	P
17	20W65A0309	Kella Koteswara Rao	P	P	P	P	P	P	A	P	P	P	P
18	20W65A0310	Koda Prabhu Dev	P	P	P	A	P	A	P	P	P	P	P
19	20W65A0311	Kottakota Ramu	P	A	P	P	P	P	P	P	P	P	A
20	20W65A0312	Kuna Jeevan Kumar	P	P	P	P	P	P	P	P	A	P	P
21	20W65A0313	Mandala Sobhanbabu	P	P	A	P	P	P	P	P	P	P	P
22	20W65A0315	Pasala Hari Krishna	P	P	P	P	P	P	A	P	P	P	A
23	20W65A0316	Patnala Pradeep	A	P	P	P	P	P	P	P	P	P	A
24	20W65A0318	Rokalla Vamsi	P	P	P	P	P	P	P	P	A	P	P
25	20W65A0319	Routhu Nivas	P	P	A	P	P	P	P	P	P	P	P
26	20W65A0321	Savirigana Chinna Rao	P	P	P	P	A	P	P	P	P	P	P
27	20W65A0322	Simma Pavan Kalyan	P	P	P	P	P	A	P	P	P	P	P



Sl.No	Roll.No.	Name of the Student	01	02	03	04	05	06	07	08	09	10	11
			25/10	26/10	27/10	28/10	29/10	30/10	31/10	1/11	2/11	3/11	4/11
28	20W65A0323	Timmala Prasanth	P	P	P	P	P	P	A	P	P	P	P
29	20W65A0325	Uppada Jayaram	P	P	A	P	P	P	P	P	P	P	P
30	20W65A0326	Uttaravalli Vidya Sagar	A	P	P	P	P	P	P	P	P	P	P
31	20W65A0327	Yanda Simhachalam	P	P	P	P	A	P	P	P	P	P	P
32	20W61A0301	Arika Daniyelu	P	A	P	P	P	P	P	P	P	P	P
33	20W61A0302	B Praveen Kumar	A	P	P	P	P	P	P	P	P	P	A
34	20W61A0303	Basura Giridhar	P	P	P	A	P	P	P	P	P	P	P
35	20W61A0304	Biddika Palgunarao	P	P	P	P	A	P	P	P	P	P	P
36	20W61A0305	Chinnala Amarnadh	P	P	P	P	P	P	P	P	P	P	P
37	20W61A0306	Durga Pradhan	P	A	P	P	P	P	P	P	P	P	P
38	20W61A0308	Gangarapu Santhosh Kumar	P	P	P	P	P	A	P	P	P	P	P
39	20W61A0311	Jalla Sai Ganga	P	P	A	P	P	P	P	P	P	P	P
40	20W61A0313	Karanam Aravind Kumar	P	P	P	P	A	P	P	P	P	P	P
41	20W61A0315	Kottubadi Jagadeesh	P	P	P	A	P	P	P	P	P	P	P
42	20W61A0316	Koyyana Harshavardhan	P	P	P	P	P	P	P	P	P	P	A
43	20W61A0317	Lenka Manikantha	A	P	P	P	P	P	P	P	P	P	P
44	20W61A0318	Mandareddy Lokesh	P	P	A	P	P	P	P	P	P	P	P
45	20W61A0319	Muchi Naveen	P	P	P	P	A	P	P	P	P	P	P
46	20W61A0320	Potnuru Sunil Sai	P	P	P	P	P	P	A	P	P	P	P
47	20W61A0322	Puti Anil Kumar	P	A	P	P	P	P	P	P	P	P	P
48	20W61A0323	Rituhu Pradhan	P	P	P	P	P	P	A	P	P	P	P
49	20W61A0324	Sadhu Jagadeesh	P	P	P	A	P	P	P	P	P	P	P
50	20W61A0325	Siddeswara Akhil	P	P	P	P	P	A	P	P	P	P	P
51	20W61A0326	Simma Hemanth Kumar	A	P	P	P	P	P	P	P	P	P	P
52	20W61A0327	Siripuram Bhujangarao	P	P	P	P	P	P	P	P	A	P	P
53	20W61A0328	Suravarapu Yeswanth	P	P	P	P	A	P	P	P	P	P	P
54	20W61A0329	Valluru Lokesh	P	P	P	P	P	P	P	P	P	P	P
55	20W61A0330	Velamala Ravindra	P	A	P	P	P	P	P	P	P	P	P
56	20W61A0331	Vibhudi Vamsi	P	P	P	A	P	P	P	P	P	P	P
57	21W65A0302	Besi Krishna Rao	P	P	A	P	P	P	P	P	P	P	P
58	21W65A0303	Bogi Pradeepkumar	P	P	P	P	A	P	P	P	P	P	P
59	21W65A0304	Cheepuru Saiprasad	P	P	P	A	P	P	P	P	P	P	P
60	21W65A0305	Gangitla Harinath	P	P	P	P	P	P	A	P	P	P	P
61	21W65A0306	Gantayada Lokesh	P	P	P	P	P	P	P	P	A	P	P
62	21W65A0307	Gara Anil	A	P	P	P	P	P	P	P	P	P	P
63	21W65A0308	Golivi Dhana Dileep	P	P	P	P	A	P	P	P	P	P	P
64	21W65A0309	G Mehar Mourya	P	P	P	A	P	P	P	P	P	P	P



Sl.No	Roll.No.	Name of the Student	01	02	03	04	05	06	07	08	09	10	11
			25/10	24/10	27/10	28/10	29/10	30/10	1/11	2/11	3/11	5/11	6/11
65	21W65A0310	Jalumuru Thirumala rao	P	P	P	P	A	P	P	P	P	P	P
66	21W65A0312	Kalluri Chandu	P	A	P	P	P	P	P	P	P	P	P
67	21W65A0313	Lolugu Sivendra	P	P	P	A	P	P	P	P	P	P	P
68	21W65A0314	Maddili Ganesh	P	P	A	P	P	P	P	P	P	P	P
69	21W65A0315	Mamidi Jayadev	A	P	P	P	P	P	P	P	P	P	P
70	21W65A0318	Panapana Ranjith	P	P	P	A	P	P	P	P	P	P	P
71	21W65A0319	Ratnala Rakesh	P	P	P	P	A	P	P	P	P	P	P
72	21W65A0321	Tammineni Sai Santosh	P	P	P	P	P	A	P	P	P	P	P
73	21W65A0322	Thota Avinash	P	A	P	P	P	P	P	P	P	P	P
74	21W65A0324	Burela Naveen	P	P	A	P	P	P	P	P	P	P	P
Signature			<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>

D. Santosh Kumar  
Program Coordinator

  
Head of the Department



# SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., SrikakulamDist -532410

## Department of Mechanical Engineering

Academic Year: 2021 – 2022

Date: 10/11/2021

### PROGRAM REPORT

**Name of the Program** : A Two week Add-on Program on Environmental Sustainability and Products from Industrial Waste

**Program Duration** : Two weeks (25/10/2021 to 06/11/2021, 11days)

**Resource Person Details** : Mr.S. Lakshmana Raju, M.Tech(Phd)  
Asst.Professor, Mechanical Department  
Sri Sivani College of Engineering,  
Contact Number: 8500363347

**Program Coordinator Details** : Mr. D. Santosh Kumar, M.Tech  
Asst. Professor, Mechanical Department  
Sri Sivani College of Engineering, Srikakulam  
Contact number: 8074226486

**Number of Students attended** : 74

**Program Venue** : Seminar hall, SSCE Block-1

#### Program Objectives:

- To educate students about sustainability and the potential for turning industrial waste into valuable products.
- To foster a mindset of sustainability and circular economy principles, promoting environmental responsibility.



- To explore various products from industrial waste and focusing on future prospectus

**Topics Covered:-**

1. Introduction to Environmental Sustainability
2. Circular Economy Principles
3. Waste Management and Recycling
4. Life Cycle Assessment (LCA)
5. Sustainable Materials in Engineering
6. Eco-Friendly Manufacturing Practices
7. Design for Environment (DfE) Strategies
8. Cradle-to-Cradle Design Concepts
9. Upcycling and Repurposing Industrial Waste
10. Carbon Footprint Reduction
11. Environmental Regulations and Compliance
12. Green Certification Standards
13. Sustainable Supply Chain Management
14. Industrial Ecology and Symbiosis
15. Green Chemistry and Engineering
16. Waste-to-Energy Technologies
17. Case Studies in Sustainable Product Design
18. Environmental Impact Reporting
19. Corporate Social Responsibility (CSR)
20. Future Trends in Environmental Sustainability

### **Learning Outcomes:**

Upon completion of this course the student will be able to:

- Grasp Sustainability Fundamentals.
- Explore Industrial Waste Transformation.
- Analyze Sustainability Practices
- Develop Sustainable Solutions
- Engage in Circular Economy Projects
- Interact with Sustainability Experts



**D. Santosh Kumar**  
Program Coordinator

  
**Head of the Department**





# SRI SIVANI COLLEGE OF ENGINEERING

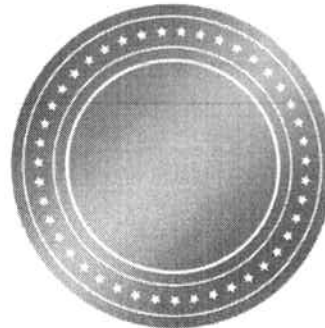
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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Guunda. Hareesh bearing roll no 20K165A0306 of III<sup>rd</sup> Year 2<sup>nd</sup> Semester has completed A Two Week Add-On Program on “Environmental sustainability and products from Industrial Waste” during the period 25/10/2021 to 06/11/2021 organized by Mechanical Engineering Department.

D. Santosh Kumar  
CO-ORDINATOR

  
HOD



  
PRINCIPAL



# SRI SIVANI COLLEGE OF ENGINEERING

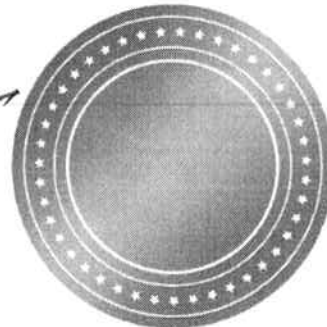
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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Gara. Anil bearing roll no 21W65A0307 of I<sup>nd</sup> Year I<sup>st</sup> Semester has completed A Two Week Add-On Program on “Environmental sustainability and products from Industrial Waste” during the period 25/10/2021 to 06/11/2021 organized by Mechanical Engineering Department.

D. Santosh Kumar  
CO-ORDINATOR

  
HOD



  
PRINCIPAL





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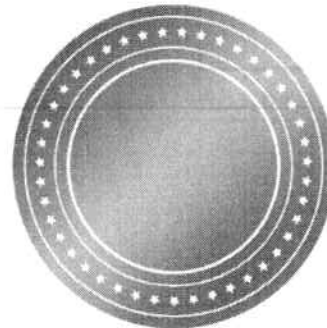
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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Routhu. Nivas bearing roll no 20W65A0319 of  
III<sup>rd</sup> Year I<sup>st</sup> Semester has completed A Two Week Add-On Program on “Environmental sustainability and  
products from Industrial Waste” during the period 25/10/2021 to 06/11/2021 organized by Mechanical  
Engineering Department.

D. Santosh Kumar  
CO-ORDINATOR

HOD



PRINCIPAL



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 01-11-2021












## CIRCULAR

This is to inform that the Department of Civil Engineering is organizing **A One-Week Certificate Program on “Structural Analysis using ETABS”** during **8-11-21 to 13-11-2021** to the final year students to enhance their software skills applicable for job opportunities. ETABS can help one to convert their ideas into product designs quickly and effectively. In this regard, I suggest all the final students to enroll this course on or before 5<sup>th</sup> November 2021.

**Venue:** Central Computing Lab, Block – 1, SSCE.  
**Co-ordinator:** Mr. B Ram Sagar, Asst. Professor  
Department of Civil Engineering

  
**Principal**  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

Copy to

Dept.	IQAC	Civil	EEE	Mech	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic Year:2021-22

Date: 01-11-2021

Name of the program: A One -Week Certificate Program on “Structural Analysis using ETABS”

### Program Schedule

S NO	Date	Topics to be covered
1	8-11-21	<ul style="list-style-type: none"><li>• Introduction</li><li>• Comparison of ETABS with other Structural Analysis Softwares</li><li>• ETABS GUI</li><li>• Brief background on design process</li><li>• Modelling overview from start to finish by a simple example</li></ul>
2	9-11-21	<ul style="list-style-type: none"><li>• New Model Creation &amp; Editing</li><li>• 2D Frame Design &amp; Analysis</li><li>• 3D Frame Design &amp; Analysis</li></ul>
3	10-11-21	<ul style="list-style-type: none"><li>• Multi story Building Analysis (DL &amp; LL)</li><li>• Design of Shear Wall</li><li>• Seismic Analysis for Multi story Building (Static Analysis)</li></ul>
4	11-11-21	<ul style="list-style-type: none"><li>• Seismic Analysis for Multi story Building (Dynamic Analysis)</li><li>• Wind Analysis for Multi story Building</li></ul>
5	12-11-21	<ul style="list-style-type: none"><li>• 2D Truss Design &amp; Analysis</li><li>• 3D Truss Design &amp; Analysis</li></ul>
6	13-11-21	<ul style="list-style-type: none"><li>• Assessment</li><li>• Project Submission</li></ul>

  
Program Co-ordinator

  
Head of the Department





## ABOUT THE INSTITUTION

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society. SSCE is a pioneer in the field of Engineering education in Srikakulam district (A.P). It was established in the year 2006 under the affiliation of JNT University, Kakinada and approved by AICTE, New Delhi. The college is certified by ISO 9001:2015

SSCE is situated in a spacious 15 acres campus adjacent to NH-16 at chilkapalem village. The college is easily accessible to all the districts nearby Srikakulam.

SSCE offers B.Tech programs in Civil, C.S.E, E.E.E, E.C.E, Mechanical and Civil Engineering, besides PG programmes M.B.A, M.Tech and Diploma programmes like Civil, E.E.E and Mechanical Engineering as second shift.

SSCE is completely Wifi enabled and equipped with well established laboratories. The college has focused towards student centric learning atmosphere. The entire faculty is well qualified, experienced equipped with state of art technologies and dedicated to produce marketable products.

## About Civil Department

The Department of Civil Engineering in Sri Sivani College of Engineering was established in the year 2009 plays a vital role in the entire college. It has been offering full time B. Tech (Civil). The Department has been advancing at a rapid pace with acquisition of advanced facilities, R&D, and dedicated teaching faculty to properly motivate and mould the students for a better and prospective tomorrow. The strength of the department lies in the existing physical laboratories such as Surveying, Geotechnical Engg, Hydraulics, Strength of Materials, Concrete Technology, Environmental Engg, Transportation Engg, Engineering Geology and CAD/STAAD PRO.

## PATRONS

Sri V.M.M.SAINADH REDDY  
President,  
Sri J.SURYACHANDRA RAO  
Vice President,  
Sri K.DURGA SRINIVAS  
Secretary,  
Sri D.VENKATA RAO  
Treasurer,  
Sri P.DURGAPRASAD RAJU  
Joint Secretary,  
Sri S.SRINIVASA RAO  
Correspondent,

## CHAIRMAN

Dr. J. Bala Bhaskar Rao  
Principal, Sri Sivani College of Engineering

## ORGANISING COMMITTEE

Head of the Department

Mr. S V N Sunil Kumar  
8978060684

Program Co-ordinator

Mr. B Ram Sagar  
borra.ramsagar1995@gmail.com  
8317629232



*Sri Sivani  
College of  
Engineering*

Chilakapalem (Jn),  
Etcherla Mandal - 532402,  
Srikakulam Dist, A.P. India.

**A One -Week Certificate  
Program on  
"Structural Analysis using  
ETABS"**

**Organized by  
The Department of  
Civil Engineering**



**08-11-21 to 13-11-21**

*Resource Persons*

1. A Ramya ramya.a@apssdc.in

9110753995

2. P Priyanka priyanka\_p@apssdc.in

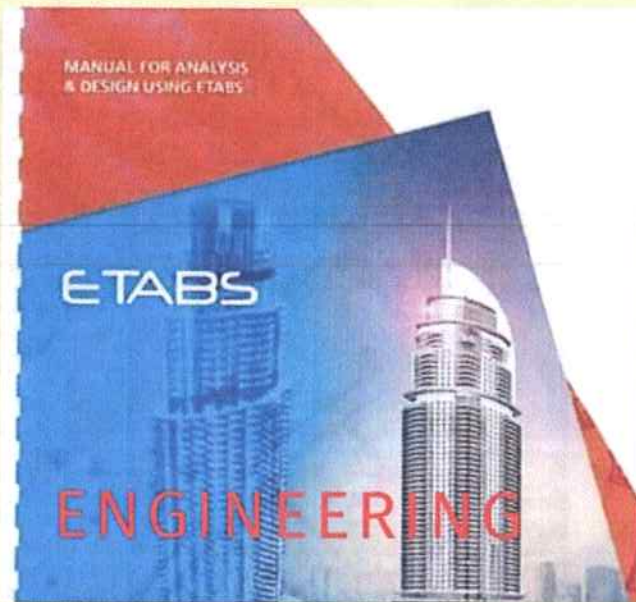
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*Technical Skill Trainers*

*APSSDC*







## OBJECTIVES OF THE PROGRAM-ETABS

1. Modeling: How to create models in less time and interpret the results while working with the physical member-based objects.
2. Concrete Frame Design & Detailing: Applicable to line objects and the program determines the appropriate design procedure when the analysis is run.
3. Steel Frame Design & Detailing: How to detail steel member selection, drift optimization and stress checking processes using various design code algorithms.
4. Steel Connection Design: Design of steel connections is seamlessly integrated into the program.
5. Composite Beam: To composite beams for determining their sizes for analysis, auto select-section property can be defined.
6. Dynamic Analysis: Various options from response spectrum analysis to large deformation nonlinear time analysis.

## Program Schedule

1. Introduction  
About ETABS - Object based modelling: Major differences from element-based modelling  
Understanding the Interface, ETABS GUI, Modelling overview from start to finish by a simple example  
Model Creation, Editing, Loading and Analysis  
Definitions- Point, Line, Area and Link objects: Utility of these objects, modelling scope viz, beam, columns for frames and membrane, plate, shells for slabs and shear walls
2. Modelling, Editing, Analysis & Design for Gravity Cases  
Concrete, Steel and Composite section definitions, Load Pattern, Load Cases and Load Combinations, Loading the structure for: Dead, Live, Checking the Model before run, Analysis for Dead and Live, Design of members, Design Output
3. Seismic Analysis & Design  
Earthquake Loading, Analysis types: Static, dynamic (Response Spectrum), Review of analysis results  
Drift, Member Deflection, Response plots etc., Design of RCC members: Beam, Column, Shear Wall as per Indian Codes
4. Dynamic Analysis, Shear Wall Design  
Analysis types: Static, dynamic (Response Spectrum), Modal analysis, Review of dynamic analysis results  
Review of analysis results: Drift, Member Deflection, Response plots etc.  
Design of RCC members: Beam, Column, Shear Wall as per Indian Codes, Brief background on design process
5. Wind Analysis, Steel Design & Etc.  
Wind Loading, Design of Steel members, Brief background on design process
6. Practical examples practice and test

## Registration Form

### A One -Week Certificate Program on "Structural Analysis using ETABS"

Participant's Name:

Gender: Male/Female

Educational Qualifications:

Department:

Organization:

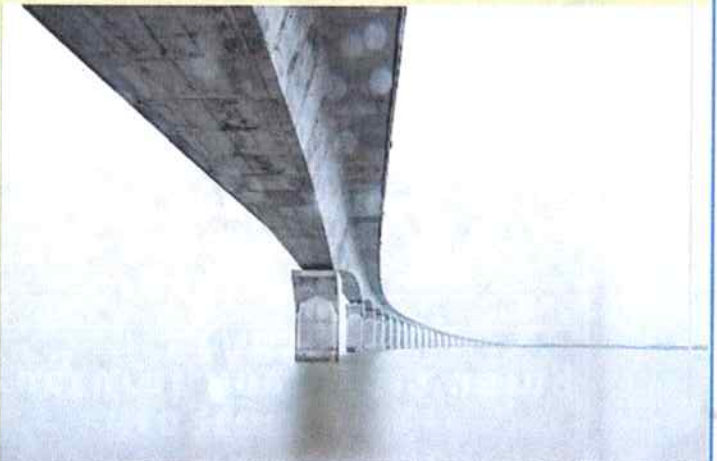
Address for Communication:

Phone No:

Email:

Date:

Signature of the Participant







# SRI SIVANI COLLEGE OF ENGINEERING

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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Date: 08-11-2021

Name of the program: A One-Week Certificate Program on "Structural Analysis using ETABS"

### List of Enrolled Students

S.No	Roll No	Name of the student	Year-Sem	Signature
1	18W61A0101	Abothula Siva Sai Kumar	IV-I	A. Siva Sai Kumar
2	18W61A0102	Abotula Maneendra	IV-I	A. Maneendra
3	18W61A0103	Balaga Srikanth	IV-I	B. Srikanth
4	18W61A0104	Balaga Sriram Kumar	IV-I	B. sriram
5	18W61A0105	Battala Upendra	IV-I	B. upendra
6	18W61A0106	Bendi Sowjanya	IV-I	B. Sowjanya
7	18W61A0107	Burle Chandu	IV-I	B. chandu
8	18W61A0108	Dumpala Chiranjeevi	IV-I	D. chiranjeevi
9	18W61A0109	Girijala Vamsi	IV-I	G. vamsi
10	18W61A0111	Jarugulla Renuka	IV-I	J. Renuka
11	18W61A0112	Kayala Tejeswari	IV-I	K. Tejeswari
12	18W61A0114	K Umamaheswara Rao	IV-I	K. Umamaheshwara Rao
13	18W61A0115	Korlapu Uday Kumar	IV-I	K. Uday Kumar
14	18W61A0116	Kuna Bhanuprasad	IV-I	K. Bhanu Prasad
15	18W61A0117	Moyya Chandramouli	IV-I	M. chandramouli
16	18W61A0118	Nimalapuri Ravi Kishore	IV-I	N. Ravi kishore
17	18W61A0119	Prasad Kandapu	IV-I	K. Prasad



18	18W61A0120	Reddi Sudheer	IV-I	R. sudheer
19	18W61A0121	Yejjala Dileep	IV-I	Y. Dileep
20	18W61A0122	Yenni Haribabu	IV-I	Y. Haribabu
21	18W61A0123	Yerraguntla Sampath	IV-I	Y. sampath
22	19W65A0101	A Shiva Kumar Yelisi	IV-I	A. Shiva Kumar
23	19W65A0105	Chakka Sai Kumar	IV-I	Ch. Sai Kumar
24	19W65A0106	Challa Avinash	IV-I	Ch. Avinash
25	19W65A0109	Inapa Naveen	IV-I	I. Naveen
2	19W65A0112	Kaya Atchutha Rao	IV-I	K. Atchutha Rao
27	19W65A0113	K Lakshmi Narayana	IV-I	K. Lakshmi Narayana
28	19W65A0117	Nulu Devi Shankar	IV-I	N. Devi Shankar
29	19W65A0118	Paidi Rammohana Rao	IV-I	P. Rammohana Rao
30	19W65A0119	Palla Dinesh Kukmar	IV-I	P. Dinesh Kumar
31	19W65A0124	Teemara Lavanyakumari	IV-I	T. Lavanya Kumari
32	19W65A0126	V Vamsi Krishna	IV-I	V. Vamsi Krishna

  
Program Co-ordinator

  
Head of the Department



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Name of the program: A ~~One~~-Week Certificate Program on “Structural Analysis  
using ETABS “

### Day Wise Attendance Sheet

S.No	Roll NO	Name of the student	1	2	3	4	5	6
			08/11/21	09/11/21	10/11/21	11/11/21	12/11/21	13/11/21
1	18W61A0101	Abothula. Siva Sai Kumar	P	AB	P	P	P	P
2	18W61A0102	A. Maneendra	P	P	P	P	P	AB
3	18W61A0103	Balaga Srikanth	P	P	P	P	P	P
4	18W61A0104	Balaga Sriram Kumar	P	P	P	P	P	P
5	18W61A0105	Battala Upendra	P	P	P	P	P	P
6	18W61A0106	Bendi. Sowjanya	P	P	P	P	P	P
7	18W61A0107	Burle Chandu	P	P	P	P	P	P
8	18W61A0108	Dumpala Chiranjeevi	AB	P	P	P	P	P
9	18W61A0109	Girijala Vamsi	P	P	P	P	AB	P
10	18W61A0111	Jarugulla Renuka	P	P	P	P	P	P
11	18W61A0114	K Umamaheswara Rao	P	P	P	P	P	P
12	18W61A0115	Korlapu Udaykumar	P	P	AB	P	P	P
13	18W61A0116	Kuna Bhanuprasad	P	P	P	P	P	P
14	18W61A0117	Moyya Chandramouli	P	P	P	P	P	P
15	18W61A0118	N.Ravi Kishore	P	AB	P	P	P	P
16	18W61A0119	Kandapu Prasad	P	P	P	P	AB	P
17	18W61A0120	Reddi Sudheer	P	P	AB	P	P	P
18	18W61A0121	Yejjala Dileep	P	P	P	P	P	P
19	18W61A0122	Yenni Haribabu	P	P	P	P	P	P
20	18W61A0123	Yerraguntla Sampath	P	P	P	P	P	P
21	18W61AO112	Kayala.Tejeswari	P	P	P	P	P	P



22	19W65A0101	Yelisi Anantha Siva Kumar	P	P	P	P	P	AB
23	19W65A0105	Chakka Sai Kumar	P	P	P	P	P	P
24	19W65A0106	Avinash Challa	P	P	P	P	P	P
25	19W65A0109	Inapa Naveen	P	P	P	P	P	P
26	19W65A0112	Kaya. Atchutha Rao	P	P	P	P	P	P
27	19W65A0113	Korlam Lakshmi Narayana	P	P	P	P	P	P
28	19W65A0117	Nulu Devi Shankar	P	P	P	P	P	P
29	19W65A0118	Paidi Rammohana Rao	P	P	P	P	P	P
30	19W65A0119	Palla.Dinesh Kumar	P	AB	P	P	P	P
31	19W65A0124	Teemara Lavanya Kumari	P	P	P	P	P	P
32	19W65A0126	Vamaravelli Vamsi Krishna	P	P	P	P	AB	P
<b>Signature</b>			<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>AB</i>

*P. P. M.*  
Program Co-ordinator



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Date: 15-11-2021

### PROGRAM REPORT

- **Name of the Program:** A Two-Week Certificate Program on “Structural Analysis using ETABS”
- **Program Duration:** 08-11-2021 to 13-11-2021
- **Name of the Resource Persons:**
  - A. Ramya  
Technical Skill Trainer  
APSSDC  
[ramya.a@apssdc.in](mailto:ramya.a@apssdc.in)  
9110753995
  - P. Priyanka  
Technical Skill Trainer  
APSSDC  
[priyanka\\_p@apssdc.in](mailto:priyanka_p@apssdc.in)  
9989371374
- **Details of the Program Co-ordinator:**
  - B. Ram Sagar  
M.Tech - Structural Engineering  
Asst. Professor  
Department of Civil Engineering  
SSCE, Chilakapalem  
[borra.ramsagar1995@gmail.com](mailto:borra.ramsagar1995@gmail.com)  
8317629232



- **Objectives of the program**

**The course will help the student to acquire knowledge in:**

- **Modeling:** How to create models in less time and interpret the results while working with the physical member-based objects.
- **Concrete Frame Design & Detailing:** Applicable to line objects and the program determines the appropriate design procedure when the analysis is run.
- **Steel Frame Design & Detailing:** How to detail steel member selection, drift optimization and stress checking processes using various design code algorithms.
- **Steel Connection Design:** Design of steel connections is seamlessly integrated into the program.
- **Composite Beam:** To composite beams for determining their sizes for analysis, auto select-section property can be defined.
- **Dynamic Analysis:** Various options from response spectrum analysis to large deformation nonlinear time analysis.

- **Topics covered**

- 1. Introduction**

About ETABS - Object based modelling: Major differences from element-based modelling  
Understanding the Interface, ETABS GUI, Modelling overview from start to finish by a simple example  
Model Creation, Editing, Loading and Analysis Definitions- Point, Line, Area and Link objects: Utility of these objects, modelling scope viz, beam, columns for frames and membrane, plate, shells for slabs and shear walls

- 2. Modelling, Editing, Analysis & Design for Gravity Cases**

Concrete, Steel and Composite section definitions, Load Pattern, Load Cases and Load Combinations, Loading the structure for: Dead, Live, Checking the Model before run, Analysis for Dead and Live, Design of members, Design Output

- 3. Seismic Analysis & Design**

Earthquake Loading, Analysis types: Static, dynamic (Response Spectrum), Review of analysis results: Drift, Member Deflection, Response plots etc., Design of RCC members: Beam, Column, Shear Wall as per Indian Codes

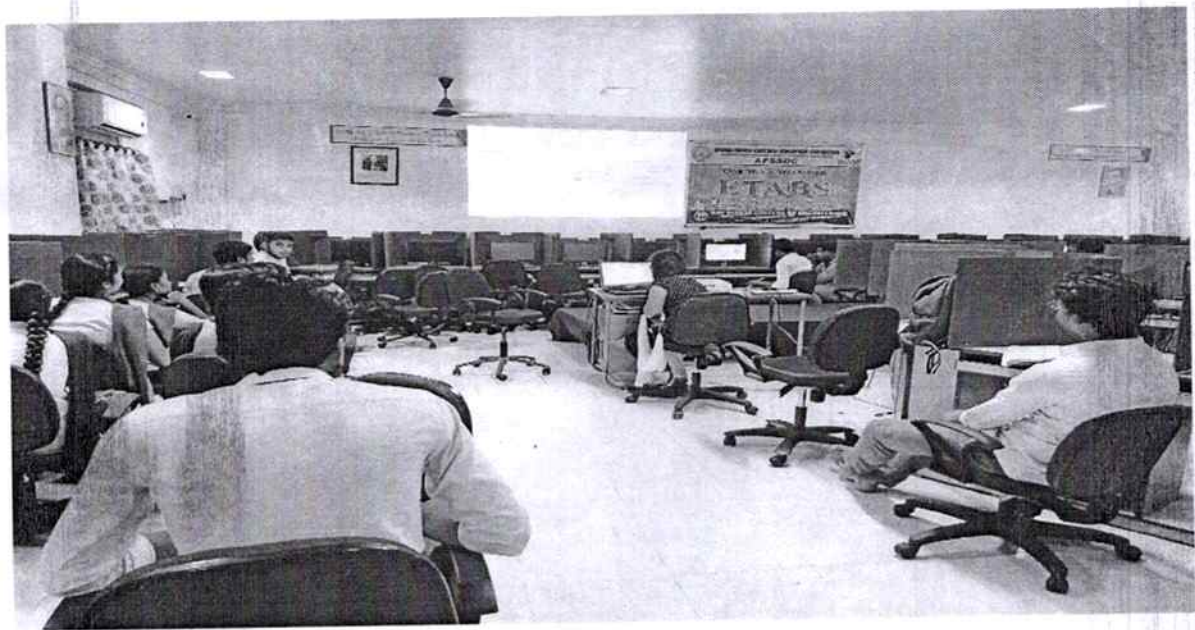
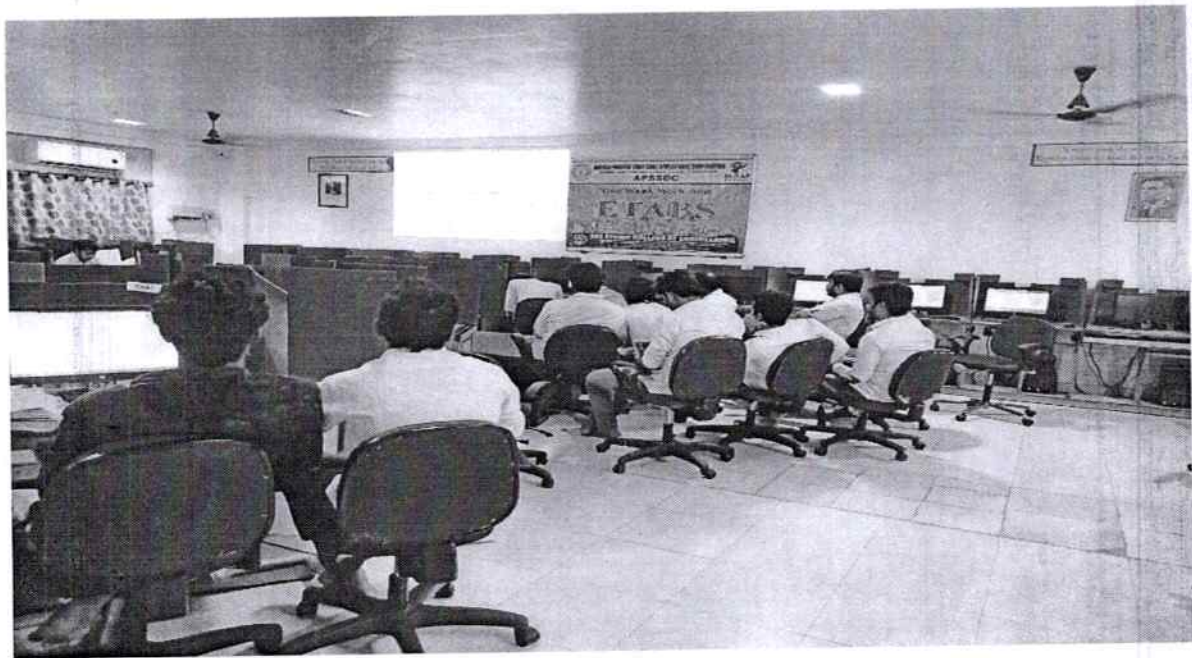
- 4. Dynamic Analysis, Shear Wall Design**

Analysis types: Static, dynamic (Response Spectrum), Modal analysis, Review of dynamic analysis results, Review of analysis results: Drift, Member Deflection, Response plots etc. Design of RCC members: Beam, Column, Shear Wall as per Indian Codes, Brief background on design process

- 5. Wind Analysis, Steel Design & Etc.**

Wind Loading, Design of Steel members, Brief background on design process

- 6. Practical examples practice and test**







- **Outcome of the program**

**At the end of the course student will**

- Easily create models using objects and can understand the concepts when editing and creating complex models.
  - Be able to recognize story levels and be able to input building data in a logical and easy manner.
  - Ability to work with people spanning in different disciplines with productive, innovative, and communicative skills.
  - Create only one model of the floor systems and the vertical and lateral framing systems to be able to analyze and design the entire building due to the integrated system of ETABS.
  - Keep their design data and design intellectual property in graphics, tabular form or send it to a printer or export it to a database file or even save it as an ASCII file and manage them in a safe, centralized place.
- **Number of participants: 32**

  
Program Co-ordinator

  
Head of the Department



# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Skill AP  
APSSDC


## Certificate of Participation

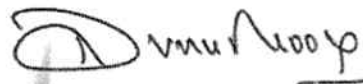


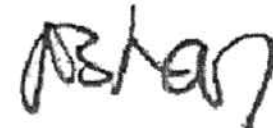
Cert.No. ETABS/STP/972

Regd Id : 19W65A0101

This is to certify that Mr./Ms./Mrs. Yelisi Anantha Siva Kumar  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC





# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)




## Certificate of Participation

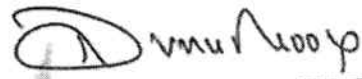


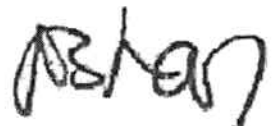
Cert.No. ETABS/STP/978

Regd Id : 19W65A0118

This is to certify that Mr./Ms./Mrs. Paidi Rammohana Rao  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC



# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)




## Certificate of Participation

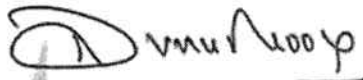


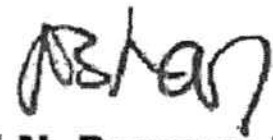
Cert.No. ETABS/STP/960

Regd Id : 18W61A0111

This is to certify that Mr./Ms./Mrs. .... Jarugulla Renuka  
of ..... Sri Sivani College of Engineering ..... has successfully  
participated in Training Program on ..... Structural Analysis Using ETABS  
held from ..... 08-11-2021 ..... to ..... 13-11-2021 .....

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC





# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)




## Certificate of Participation

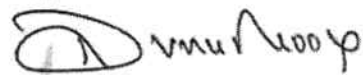


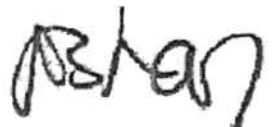
Cert.No. ETABS/STP/964

Regd Id : 18W61A0117

This is to certify that Mr./Ms./Mrs. Moyya Chandramouli  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC



# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Skill AP  
APSSDC

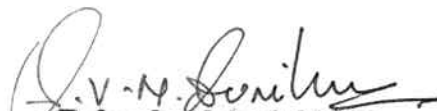
## Certificate of Participation

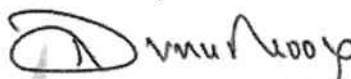


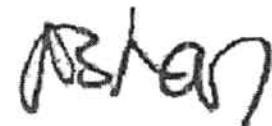
Cert.No. ETABS/STP/977

Regd Id : 19W65A0117

This is to certify that Mr./Ms./Mrs. Nulu Devi Shankar  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC





# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)




## Certificate of Participation

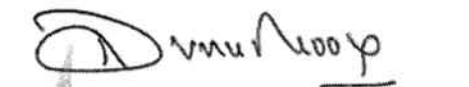
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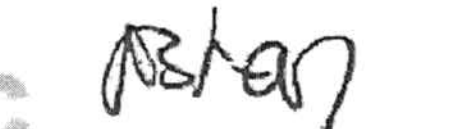
Regd Id : 18W61A0106



This is to certify that Mr./Ms./Mrs. Bendi. Sowjanya  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC



# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Skill AP  
APSSDC


## Certificate of Participation

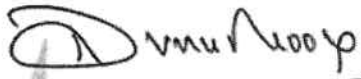



Cert.No. ETABS/STP/975

Regd Id : 19W65A0112

This is to certify that Mr./Ms./Mrs. Kaya. Atchutha Rao  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC





# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)




## Certificate of Participation

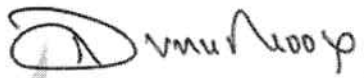


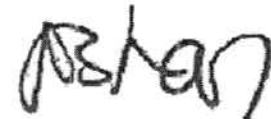
Cert.No. ETABS/STP/954

Regd Id : 18W61A0104

This is to certify that Mr./Ms./Mrs..... Balaga Sriram Kumar  
of ..... Sri Sivani College of Engineering ..... has successfully  
participated in Training Program on ..... Structural Analysis Using ETABS  
held from ..... 08-11-2021 ..... to ..... 13-11-2021 .....

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC



# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Skill AP  
APSSDC


## Certificate of Participation

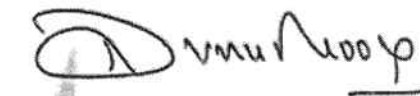


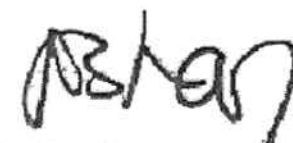
Cert.No. ETABS/STP/953

Regd Id : 18W61A0103

This is to certify that Mr./Ms./Mrs..... Balaga Srikanth  
of ..... Sri Sivani College of Engineering ..... has successfully  
participated in Training Program on ..... Structural Analysis Using ETABS  
held from ..... 08-11-2021 ..... to ..... 13-11-2021 .....

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC





**Andhra Pradesh State Skill Development Corporation (APSSDC)**  
(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Skill AP  
APSSDC

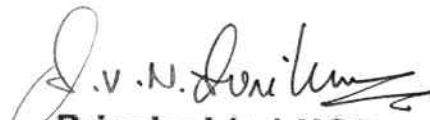
**Certificate of Participation**

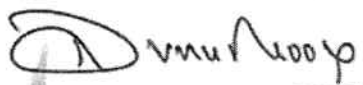


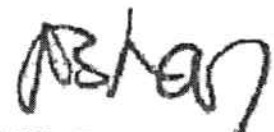
Cert.No. ETABS/STP/952

Regd Id : 18W61A0101

This is to certify that Mr./Ms./Mrs. Abothula. Siva Sai Kumar  
of Sri Sivani College of Engineering has successfully  
participated in Training Program on Structural Analysis Using ETABS  
held from 08-11-2021 to 13-11-2021

  
Principal (or) HOD

  
Dr. D.V. Rama Koti Reddy  
Executive Director  
APSSDC

  
Sri N. Bangara Raju  
MD, APSSDC



# SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 17-11-2021

## CIRCULAR

Here by informed that the Department of Electrical and Electronics Engineering is planning to organize **A Two-week Add-On Program on "Fundamentals of ARDUINO Programming and Hardware Implementation"** from **29-11-2021** to **11-12-2021** for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year EEE students. This program is designed to enhance your skills in Arduino programming and expand your knowledge of its applications. This program will provide you with hands-on experience and valuable insights into the world of Arduino. In this regard, I suggest all the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year EEE students should enroll this program on or before **25-11-2021**.

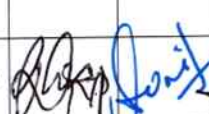
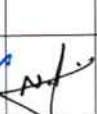

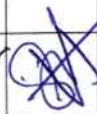
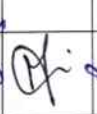






**Venue:** CSE LAB, 2<sup>nd</sup> floor, Block – 1, SSCE.

**Co-ordinator:** Mr. M. Chandra Sekhar, Asst. Prof,

Department of Electrical & Electronics Engineering

  
**Principal**  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

Dept.	IQAC	Civil	EEE	Mech	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.





# SRI SIVANI COLLEGE OF ENGINEERING

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(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electrical & Electronics Engineering

Academic Year: 2021-22

Date: 17-11-2021

Name of the program: A Two - Week Add-On Program on “Fundamentals of ARDUINO  
Programming and Hardware Implementation”

### PROGRAM SCHEDULE

S.No	Date	Topics To Be Covered
1	29-11-2021	Introduction to ARDUINO
2	30-11-2021	Basic Electronic Concepts
3	01-12-2021	Analog Input, Analog Output, LED Control
4	02-12-2021	Serial Communication
5	03-12-2021	LCD Display
6	04-12-2021	Stepper Motors, Servo Motors
7	06-12-2021	Wireless Communication
8	07-12-2021	Data Logging
9	08-12-2021	Advanced ARDUINO Libraries
10	09-12-2021	Troubleshooting ARDUINO Projects
11	10-12-2021	Project Implementation
12	11-12-2021	Final Project Presentations

*M. S. Chel*  
Program Co-ordinator

*[Signature]*  
Head of the Department



### About the Institution:

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society. SSCE is a pioneer in the field of engineering education in Srikakulam district (A.P). It was established in the year 2006 under the affiliation of JNT University, Kakinada and approved by AICTE, New Delhi. The college is UGC Recognition under 2(f) & 12(B) certified by ISO 9001:2015.

SSCE is situated in a spacious 11 acres campus adjacent to NH-16 at chilkapalem village. The college is easily accessible to all the districts nearby Srikakulam.

SSCE offers B.Tech programmes in E.E.E, E.C.E, C.S.E, Mechanical and Civil Engineering, besides PG programmes M.C.A, M.B.A, M.Tech and Diploma programmes like E.E.E, Mechanical, and Civil Engineering as second shift.

SSCE is completely Wi-Fi enabled and equipped with well established laboratories. The college has focused towards student centric learning atmosphere. The faculty is well qualified, experienced equipped with state of art technologies and dedicated to produce marketable products.

### About the Department:

The department is well focused and student centric with clear vision. The department of Electrical and Electronics Engineering is one of the oldest and major departments of the Institute. Since its inception in 2006, the department has been actively engaged in teaching and research in diverse fields of Electrical and Electronics Engineering. The department offers B.Tech in EEE with an intake of 60 students and M.Tech in Power Electronics with an intake of 18 students. The department is strong with a few faculty members holding Ph.D degrees and expertise in various fields. The department of EEE has adequate and well-qualified faculties spanning all major areas of Electrical Engineering like Power Systems, Power Electronics and Control Systems. Apart from regular academics, department organizes department association activities to encourage and motivate the students to achieve their goals. Department also encourages the students to participate in technical events organized by other universities and colleges.

### Chief Patron :

**Sri. V.M.M. Sainadh Reddy**  
*President, Sri Sivani Group of Colleges*

### Patrons :

**Sri. J. Suryachandra Rao**  
*Vice President, Sri Sivani Group of Colleges*

**Sri. K. Durga Srinivas**  
*Secretary, Sri Sivani Group of Colleges*

**Sri. D. Venkata Rao**  
*Treasurer, Sri Sivani Group of Colleges*

**Sri. P. Durga Prasad Raju**  
*Joint Secretary, Sri Sivani Group of Colleges*

**Dr. S. Srinivasa Rao**  
*Correspondent, Sri Sivani Group of Colleges*

### Principal:

**Dr. J. Bala Bhaskar**, *Principal, SSCE*

### Head of Department:

**N. Naga Srinivas**, M. Tech  
*Dept. of EEE*

### Co-ordinator:

**Mr. M. Chandra Sekhar**, M. Tech  
*Assistant Professor, Dept. of EEE*  
*Mobile: 8328336034*  
*Email Id: [chandrasekhar@gmail.com](mailto:chandrasekhar@gmail.com)*

### Resource Persons:

- Dr. G. T. Chandra Sekhar**,  
*Professor, Dept. of EEE,*  
*Sri Sivani College of Engineering*  
**9440376522**  
[gtchsekar@gmail.com](mailto:gtchsekar@gmail.com)
- Ms. N. Naga Srinivas**, M. Tech,  
*Assistant Professor, Dept. of ECE,*  
*Sri Sivani College of Engineering*  
[nagasrinivasceee@gmail.com](mailto:nagasrinivasceee@gmail.com)  
**9493838333**



**SRI SIVANI COLLEGE OF  
ENGINEERING**

**A TWO-WEEK ADD-ON PROGRAM  
ON**

**“Fundamentals of ARDUINO  
Programming and Hardware  
Implementation”  
(29/11/2021 -11/12/ 2021)**



**Organized by  
DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING**



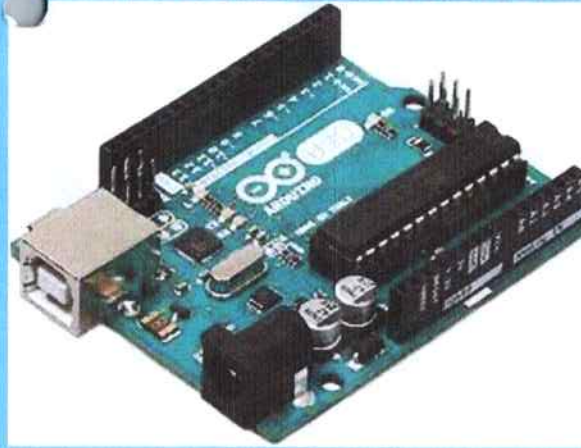
**Objective :**

- The goal of this programme is to know about ARDUINO programming and develop their knowledge about ARDUINO interfacing.
- To know applications of ARDUINO programming.
- To know how to implement hardware by using ARDUINO programming.

**Expected Outcomes:**

- Understand about ARDUINO programming.
- Understand fundamentals of ARDUINO programming.
- Understand applications of ARDUINO programming.
- Understand hardware implementation with ARDUINO programming.
- Implementation of ARDUINO hardware.

\*\*\*\*Spot Registration is available\*\*\*\*



**Route Map:**



**REGISTRATION FORM**

**A TWO-WEEK ADD-ON PROGRAM ON**

**“Fundamentals of ARDUINO Programming and Hardware Implementation”  
(29/11/2021 -11/12/ 2021)**

Participant's name :

Gender: Male/Female :

Educational Qualification :

Department :

Organization:

Address for Communication :

Mobile Number :

Email ID :

Date: Signature of the Participant





# SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electrical & Electronics Engineering

Academic Year: 2021-22

Date: 25-11-2021

Name of the program: A Two-Week Add-On Program on "Fundamentals of ARDUINO  
Programming and Hardware Implementation"

### List of Enrolled Students

S.No	Roll Number	Name of the Candidate	Year-Sem	Signature
1	20W61A0201	Chandra Shekar B	II-I	B. chandra shekar
2	20W61A0202	K Venkata Sai	II-I	K. Venkata Sai
3	20W61A0203	Mandadi Charan Teja	II-I	M. Charanteja
4	20W61A0204	Mekala Vamsi	II-I	M. Vamsi
5	20W61A0205	Panchireddy Mahesh	II-I	P. Mahesh
6	20W61A0206	Potnuru Lavanya	II-I	P. Lavanya
7	20W61A0207	Thadela Eswara Rao	II-I	T. Eswara Rao
8	21W65A0201	Allu Mahesh	II-I	A. Mahesh
9	21W65A0202	Ardapakula Bhaskar	II-I	A. bhaskar
10	21W65A0203	Badithamani Ganeswararao	II-I	B. Ganeswararao
11	21W65A0204	Mantri Devi Vara Prasad	II-I	M. Devi Varas Prasad
12	21W65A0205	Battula Pavan	II-I	B. Pavan
13	21W65A0206	Konada Jaganataka Suthradhari	II-I	K. J. Suthradhari
14	21W65A0207	Birlangi Manmadha Rao	II-I	B. Manmadha Rao
15	21W65A0208	Gollapalli Bharath Kumar	II-I	G. Bharath Kumar
16	21W65A0210	Busa Uday Kumar	II-I	B. Uday
17	21W65A0211	Chowdari Eswararao	II-I	Ch. Eswara Rao
18	21W65A0212	Damu Chakradhar	II-I	D. Chakradhar
19	21W65A0213	Gondu Narendra	II-I	G. Narendra
20	21W65A0214	Guntamukkala Ravi	II-I	G. Ravi
21	21W65A0215	Kandula Nethaji	II-I	K. Nethaji
22	21W65A0217	Ladi Sai Krishna	II-I	L. Sai Krishna
23	21W65A0218	Lanka Eswara Durga Prasad	II-I	L. E. D. Prasad Naidu
24	21W65A0219	Naidana Dhilleswara Rao	II-I	N. Dhille Prasad
25	21W65A0221	Palina Madhu Krishna	II-I	P. Madhu Krishna
26	21W65A0222	Panga Jagadeesh	II-I	P. Jagadeesh
27	21W65A0223	Pinninti Sasikanth	II-I	P. Sasikanth
28	21W65A0224	Raavi Ravi Teja	II-I	R. Ravi Teja
29	21W65A0225	Suvvari Ramesh	II-I	S. Ramesh
30	21W65A0226	Tarlada Sai Sumanth	II-I	T. Sai Sumanth
31	19W61A0201	Dunga Prema Kumar	III-I	D. Prem Kumar
32	20W65A0201	Anupaju Dharma Rao	III-I	A. Dharma Rao
33	20W65A0202	Bompada Sai Likhil	III-I	B. Sai Likhil



34	20W65A0204	Gangada Dhilleswararao	III-I	G. Dhilleswararao
35	20W65A0205	Kuna Santhoshi Kumari	III-I	K. Santhoshi Kumari
36	20W65A0206	Panchareddy Satya Narayana	III-I	P. Satya Narayana
37	20W65A0207	Sai Raj Das	III-I	Sai Raj Das
38	20W65A0208	Yarabati Gajapathi	III-I	Y. Gajapathi
39	17W65A0201	Addala Venkata Laxmi Prasanna	IV-I	A. Laxmi Prasanna
40	17W65A0211	Govala Haarika	IV-I	G. Haarika
41	18W61A0201	Banna Shivaji	IV-I	B. Shivaji
42	18W61A0203	Miska Dinesh	IV-I	M. Dinesh
43	18W61A0204	Naru Venkata Sai	IV-I	N. Venkata Sai
44	18W61A0205	Satyavarapu Vijay Kumar	IV-I	S. Vijay Kumar
45	18W61A0206	Unkili Lakshmana Rao	IV-I	U. Lakshmana Rao
46	19W65A0201	Alikana Gopikrishna	IV-I	A. Gopikrishna
47	19W65A0202	Allamsetti Yamini	IV-I	A. Yamini
48	19W65A0203	Annepu Umamahesh	IV-I	A. Umamahesh
49	19W65A0204	Arasavalli Nagaraju	IV-I	A. Nagaraju
50	19W65A0205	Asapu Kiran	IV-I	A. Kiran
51	19W65A0206	Asapu Vishnuvardhan	IV-I	A. Vishnuvardhan
52	19W65A0207	Bandari Manasa	IV-I	B. Manasa
53	19W65A0208	Behara Jogeswar	IV-I	B. Jogeswar
54	19W65A0209	Bhogi Kalyani	IV-I	B. Kalyani
55	19W65A0210	Boddepalli Hareesh	IV-I	B. Hareesh
56	19W65A0211	Dontikurthi Haritha	IV-I	D. Haritha
57	19W65A0212	Eedi Rajarao	IV-I	E. Rajarao
58	19W65A0213	Garbham Arun Kumar	IV-I	G. Arun Kumar
59	19W65A0215	Kondapalli Saibalaji	IV-I	K. Saibalaji
60	19W65A0216	Korneni Prashant	IV-I	K. Prashant
61	19W65A0217	Lade Soumya	IV-I	L. Soumya
62	19W65A0218	Lakhineni Sairam	IV-I	L. Sai Ram
63	19W65A0219	Malagam Baburao	IV-I	M. Baburao
64	19W65A0220	Metta Ananthasairajkumar	IV-I	M. Ananthasairaj
65	19W65A0221	Nethinti Naga Bhushana	IV-I	N. Naga Bhushana
66	19W65A0222	Palli Ganesh	IV-I	P. Ganesh
67	19W65A0223	Pandiri Venkatesh	IV-I	P. Venkatesh
68	19W65A0224	Pappala Harika	IV-I	P. Harika
69	19W65A0225	Pattapagalu Lavanya	IV-I	P. Lavanya
70	19W65A0226	Pichuka Jahnavi	IV-I	P. Jahnavi
71	19W65A0227	Potnuru Jeevana Bhargavi	IV-I	P. Jeevana Bhargavi
72	19W65A0228	Ragolu Lokesh Kumar	IV-I	R. Lokesh Kumar
73	19W65A0229	Sunkari Ravi Kiran	IV-I	S. Ravi Kiran
74	19W65A0230	Tutika Pavankumar	IV-I	T. Pavankumar
75	19W65A0231	Yelamanchili Dheeraj	IV-I	Y. Dheeraj

*M. S. Chag.*  
Program Co-ordinator

*N. J.*  
Head of the Department





# SRI SIVANI COLLEGE OF ENGINEERING

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 NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electrical & Electronics Engineering

Academic Year: 2021-22

Name of the program: A Two -Week Add-On Program on “Fundamentals of ARDUINO  
 Programming and Hardware Implementation”

### Day Wise Attendance Sheet

S.No	Roll Number	Name of the Candidate	01 29/11	02 30/11	03 1/12	04 2/12	05 3/12	06 4/12	07 6/12	08 7/12	09 8/12	10 9/12	11 10/12	12 11/12
1	20W61A0201	Chandra Shekar B	P	P	P	P	P	P	P	P	P	P	P	P
2	20W61A0202	K Venkata Sai	P	P	P	P	P	P	P	P	P	P	P	P
3	20W61A0203	Mandadi Charan Teja	P	P	P	P	P	P	P	P	P	P	P	P
4	20W61A0204	Mekala Vamsi	P	P	P	P	P	P	AB	P	P	P	P	P
5	20W61A0205	Panchireddy Mahesh	P	P	P	P	P	P	P	P	P	P	P	P
6	20W61A0206	Potnuru Lavanya	P	P	P	P	P	P	P	P	P	P	P	P
7	20W61A0207	Thadela Eswara Rao	P	P	P	P	P	P	P	P	P	P	P	P
8	21W65A0201	Allu Mahesh	P	P	P	P	P	P	P	P	P	P	P	P
9	21W65A0202	Ardapakula Bhaskar	P	P	P	P	P	P	P	P	P	P	P	P
10	21W65A0203	B. Ganeswararao	P	P	P	P	P	P	P	P	P	P	P	AB
11	21W65A0204	M. Devi Vara Prasad	P	P	P	P	P	P	P	P	P	P	P	P
12	21W65A0205	Battula Pavan	P	P	P	P	P	P	P	P	P	P	P	P
13	21W65A0206	K J Suthradhari	P	P	P	P	P	P	P	P	P	P	P	P
14	21W65A0207	Birlangi Manmadha Rao	P	P	P	P	P	P	P	P	P	P	P	P
15	21W65A0208	Gollapalli Bharath	P	P	P	P	P	P	P	P	P	P	P	P
16	21W65A0210	Busa Uday Kumar	P	P	P	P	P	P	P	P	P	P	P	P
17	21W65A0211	Chowdari Eswararao	P	P	P	P	P	P	P	P	P	P	P	P
18	21W65A0212	Damu Chakradhar	P	P	P	P	P	P	P	P	P	P	P	P
19	21W65A0213	Gondu Narendra	AB	P	P	P	P	P	P	P	P	P	P	P
20	21W65A0214	Guntamukkala Ravi	P	P	P	P	P	P	P	P	P	P	P	P
21	21W65A0215	Kandula Nethaji	P	P	P	P	P	P	P	P	P	P	P	P
22	21W65A0217	Ladi Sai Krishna	P	P	P	P	P	P	P	P	P	P	P	P
23	21W65A0218	L. Eswara Durga Prasad	P	P	P	P	P	P	P	P	P	P	P	P
24	21W65A0219	N. Dhilleswara Rao	P	P	P	P	P	P	P	P	P	P	P	P
25	21W65A0221	Palina Madhu Krishna	P	P	P	P	P	P	P	P	P	P	P	P
26	21W65A0222	P. Jagadeesh	P	P	P	P	P	P	P	P	P	P	P	P
27	21W65A0223	Pinninti Sasikanth	P	P	P	P	P	P	P	P	P	P	P	P
28	21W65A0224	Raavi Ravi Teja	P	P	P	P	P	P	P	P	P	AB	P	P
29	21W65A0225	Suvvari Ramesh	P	P	P	P	P	P	P	P	P	P	P	P
30	21W65A0226	Tarlada Sai Sumanth	P	P	P	P	P	P	P	P	P	P	P	P
31	19W61A0201	Dunga Prema Kumar	P	P	P	P	P	P	P	P	P	P	P	P
32	20W65A0201	Anupuju Dharma Rao	P	P	P	P	AB	P	P	P	P	P	P	P



34	20W65A0204	Gangada Dhilleswararao	P	P	P	P	P	P	P	P	P	P	P
35	20W65A0205	Kuna Santhoshi Kumari	P	P	P	P	P	P	P	P	P	P	P
36	20W65A0206	P. Satya Narayana	P	P	P	P	P	P	P	P	P	P	P
37	20W65A0207	Sai Raj Das	P	P	P	P	P	P	P	P	P	P	P
38	20W65A0208	Yarabati Gajapathi	P	P	P	P	P	P	P	P	AB	P	P
39	17W65A0201	A V Laxmi Prasanna	P	P	P	P	P	P	P	P	P	P	P
40	17W65A0211	Govala Haarika	P	P	P	P	P	P	P	P	P	P	P
41	18W61A0201	Banna Shivaji	P	P	P	P	P	P	P	P	P	P	P
42	18W61A0203	M. Dinesh	P	P	P	P	P	P	P	P	P	P	P
43	18W61A0204	Naru Venkata Sai	P	P	P	P	P	P	P	P	P	P	P
44	18W61A0205	S. Vijay Kumar	P	P	P	P	P	P	P	P	P	P	P
45	18W61A0206	Unkili Lakshmana Rao	P	P	P	P	P	P	P	P	P	P	P
46	19W65A0201	Alikana Gopikrishna	P	P	P	P	P	P	P	P	P	P	P
47	19W65A0202	Allamsetti Yamini	P	AB	P	P	P	P	P	P	P	P	P
48	19W65A0203	Annepu Umamahesh	P	P	P	P	P	P	P	P	P	P	P
49	19W65A0204	Arasavalli Nagaraju	P	P	P	P	P	P	P	P	P	P	P
50	19W65A0205	Asapu Kiran	P	P	P	P	P	P	P	P	P	P	P
51	19W65A0206	Asapu Vishnuvardhan	P	P	P	P	P	P	P	P	P	P	P
52	19W65A0207	Bandari Manasa	P	P	P	P	P	P	P	P	P	P	P
53	19W65A0208	B. Jogeswar	P	P	P	P	P	P	P	P	P	P	P
54	19W65A0209	Bhogi Kalyani	P	P	P	P	P	P	P	P	P	P	P
55	19W65A0210	Boddepalli Hareesh	P	P	P	P	P	P	P	P	P	P	P
56	19W65A0211	Dontikurthi Haritha	P	P	P	P	P	P	P	P	P	P	P
57	19W65A0212	Eedi Rajarao	P	P	P	P	P	P	P	P	P	P	P
58	19W65A0213	Garbham Arun Kumar	P	P	P	P	AB	P	P	P	P	P	P
59	19W65A0215	Kondapalli Saibalaji	P	P	P	P	P	P	P	P	P	P	P
60	19W65A0216	Korneni Prashant	P	P	P	P	P	P	P	P	P	P	P
61	19W65A0217	Lade Soumya	P	P	P	P	P	P	P	P	P	AB	P
62	19W65A0218	Lakhineni Sairam	P	P	P	P	P	P	P	P	P	P	P
63	19W65A0219	Malagam Baburao	P	P	P	P	P	P	P	P	P	P	P
64	19W65A0220	M. Ananthasairajkumar	P	P	P	P	P	P	P	P	P	P	P
65	19W65A0221	N. Naga Bhushana	P	P	P	P	P	P	P	P	P	P	P
66	19W65A0222	Palli Ganesh	P	P	P	P	P	P	P	P	P	P	P
67	19W65A0223	Pandiri Venkatesh	P	P	P	P	P	P	P	P	P	P	P
68	19W65A0224	Pappala Harika	P	AB	P	P	P	P	P	P	P	P	P
69	19W65A0225	Pattapagalu Lavanya	P	P	P	P	P	P	P	P	P	P	P
70	19W65A0226	Pichuka Jahnvi	P	P	P	P	P	P	P	P	P	P	P
71	19W65A0227	P. Jeevana Bhargavi	P	P	P	P	P	P	P	P	P	P	P
72	19W65A0228	Ragolu Lokesh Kumar	P	P	P	P	P	P	P	P	P	P	P
73	19W65A0229	Sunkari Ravi Kiran	P	P	P	P	P	P	P	P	P	P	P
74	19W65A0230	Tutika Pavankumar	P	P	P	P	P	P	P	P	P	P	P
75	19W65A0231	Yelamanchili Dheeraj	P	P	P	P	P	AB	P	P	P	P	P
Signature :			AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB

*M. Subha*  
Program Co-ordinator



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electrical & Electronics Engineering

Academic year: 2021-22

Date: 14-12-2021

### PROGRAM REPORT

**Name of the program** : A Two-week Add-On Program on “Fundamentals of ARDUINO Programming and Hardware Implementation”

**Program Duration** : 29-11-2021 to 11-12-2021

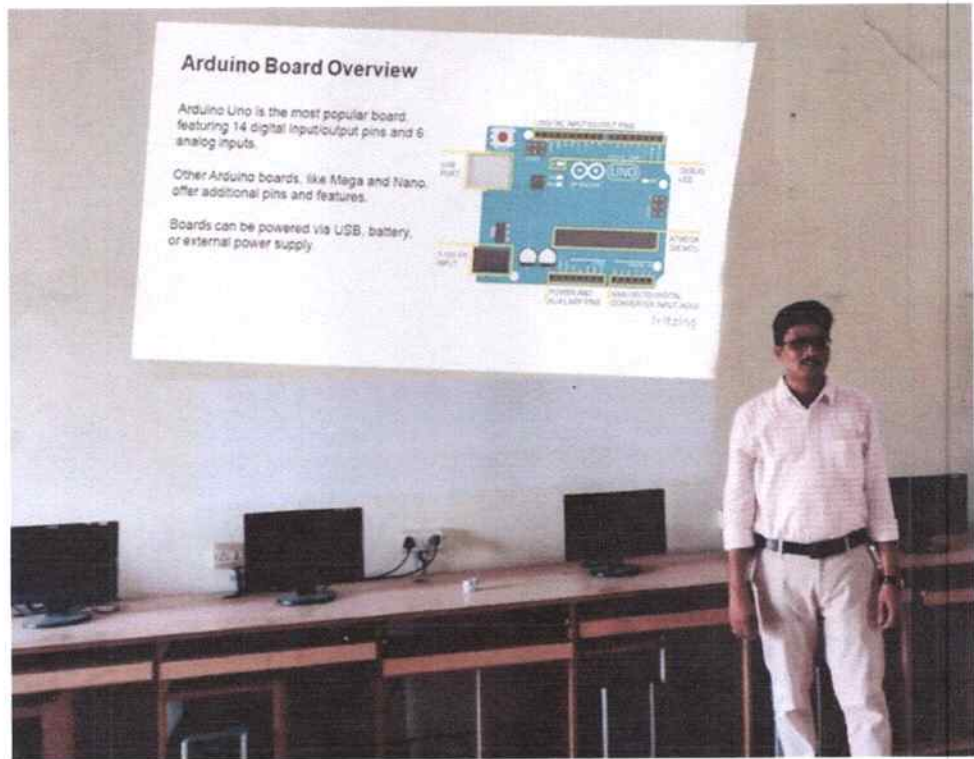
**Details of Resource Persons** : 1. Dr. G. T. Chandra Sekhar,  
Professor,  
Dept. of EEE  
Sri Sivani College of Engineering  
[gtchsekhar@gmail.com](mailto:gtchsekhar@gmail.com)  
9440376522  
2. Mr. N. Naga Srinivas, M. Tech  
Assistant Professor,  
Dept. of EEE,  
Sri Sivani College of Engineering  
[nagasrinivaseee@gmail.com](mailto:nagasrinivaseee@gmail.com),  
9493838333

**Details of the Program Co-ordinator:** Mr. M. Chandra Sekhar, M. Tech,  
Assistant Professor,  
Dept. of EEE,  
Sri Sivani College of Engineering  
[chandumcs@gmail.com](mailto:chandumcs@gmail.com),  
8328336034

### **Objectives of the program:**

- The goal of this programme is to know about ARDUINO programming and develop their knowledge about ARDUINO interfacing.
- To know applications of ARDUINO programming.
- To know how to implement hardware by using ARDUINO programming.









**Topics covered:**

- Introduction to ARDUINO
- Basic Electronic Concepts
- Analog Input, Analog Output, LED Control
- Serial Communication
- LCD Display
- Stepper Motors, Servo Motors
- Wireless Communication
- Data Logging
- Advanced ARDUINO Libraries
- Troubleshooting ARDUINO Projects
- Project Implementation
- Final Project Presentations

**Outcomes of the program:**

At the ending of the program the students will be able to

- Understand about ARDUINO programming.
- Understand fundamentals of ARDUINO programming.
- Understand applications of ARDUINO programming.
- Understand hardware implementation with ARDUINO programming.
- Implementation of ARDUINO hardware.

**Number of participants: 75**

*M. S. Sahay*  
**Program Co-ordinator**



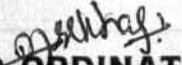
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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## CERTIFICATE

### OF PARTICIPATION

This is to certify that Mr./Ms. B. Chandra Shekar bearing  
roll no. 20WG1A0201 of 2<sup>nd</sup> year 1<sup>st</sup> semester has completed A Two  
Week Add-On program on "Fundamentals of ARDUINO and Hardware Implementation"  
during the period 29-11-2021 to 11-12-2021 organized by department of Electrical &  
Electronics Engineering.

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL





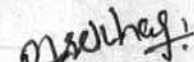
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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## CERTIFICATE

### OF PARTICIPATION

This is to certify that Mr./Ms. Gangada. Dhilleswararao bearing  
roll no. 20W65A0204 of 3<sup>rd</sup> year 1<sup>st</sup> semester has completed A Two  
Week Add-On program on "Fundamentals of ARDUINO and Hardware Implementation"  
during the period 29-11-2021 to 11-12-2021 organized by department of Electrical &  
Electronics Engineering.

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## CERTIFICATE

### OF PARTICIPATION

This is to certify that Mr./Ms. Bodepalli. Hareesh bearing  
roll no. 19W65A0210 of 4<sup>th</sup> year 1<sup>st</sup> semester has completed A Two  
Week Add-On program on "Fundamentals of ARDUINO and Hardware Implementation"  
during the period 29-11-2021 to 11-12-2021 organized by department of Electrical &  
Electronics Engineering.

m. selhaga  
CO-ORDINATOR

[Signature]  
HOD

[Signature]  
PRINCIPAL





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## CERTIFICATE

### OF PARTICIPATION

This is to certify that Mr./Ms. Sunkari. Ravi Kiran bearing  
roll no. 19WG5A0229 of 4<sup>th</sup> year 1<sup>st</sup> semester has completed A Two  
Week Add-On program on "Fundamentals of ARDUINO and Hardware Implementation"  
during the period 29-11-2021 to 11-12-2021 organized by department of Electrical &  
Electronics Engineering.

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410.

Date: 24-11-2021

## CIRCULAR




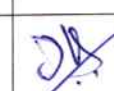



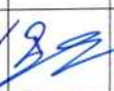



This is to inform that the Department of Computer Science and Engineering is organizing **A Two-Week Add-On Program on "Computer Vision"** during **06-12-2021 to 18-12-2021** to the final year CSE students to enhance their programming knowledge applicable for job opportunities. The goal of computer vision is to enable computing devices to correctly identify an object or person in a digital image and take appropriate action. It implements fundamental image processing techniques required for computer vision. In this regard, I suggest all the final year CSE students to participate in this program.

**Venue:** Block – 1, Computer Lab-2, SSCE

**Co-ordinator:** Mr. N. Sai Kiran, Asst. Prof,  
Department of Computer Science and Engineering

  
**Principal**  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

Dept.	IQAC	Civil	EEE	MECH	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department Of Computer Science & Engineering

Academic Year: 2021-22

Date: 24-11-2021

Name of the program: A Two Week Add-On Program on "Computer Vision"

### PROGRAMME SCHEDULE

S.NO.	DATE	Topics To Be Covered
1	6/12/2021	Introduction to Computer Vision
2	7/12/2021	Image Processing for Computer Vision
3	8/12/2021	Camera Models and Views
4	9/12/2021	Image Features
5	10/12/2021	Lighting
6	11/12/2021	Image Motion
7	13/12/2021	Introduction to tracking
8	14/12/2021	Classification and Recognition
9	15/12/2021	Color spaces and segmentation
10	16/12/2021	3D perception
11	17/12/2021	Human Visual System
12	18/12/2021	The retina and Vision in the brain

*Maheshwar Saini*  
Program Co-ordinator

*M. P. Saini*  
Head of the Department

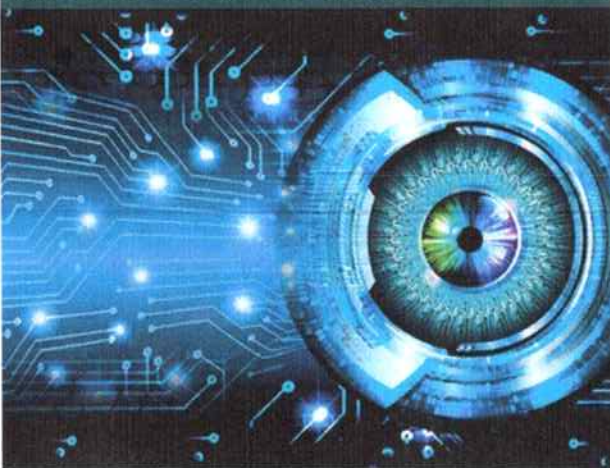
## About the Institution

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society, established in 2006 affiliated to JNTUK, Kakinada. UGC Recognition under 2(f) & 12(B). ISO 9001:2015 Certified. SSCE is situated in a spacious 12 acres campus adjacent to NH-16 at Chilakapalem, Srikakulam, Andhra Pradesh.

SSCE offers B. Tech programs in Civil, C.S.E, E.E.E, E.C.E, Mechanical Engineering and PG programmes M.B.A, M.Tech and Diploma programmes for Civil, E.E.E and Mechanical Engineering. Fully connected through Fiber Optics and Wi-Fi Networks, Endowed with fully Qualified, well experienced and seasoned faculty members equipped with industrial experience and fully established laboratories with state-of-the-art technologies meets the growing needs of the students.

## About the Department

The Department of Computer Science & Engineering of Sri Sivani College of Engineering was established in the year 2006 and playing a vital role in designing, developing maintaining software and hardware for the entire college. It has been offering full time B. Tech (CSE), M.Tech (CSE) courses. The Department has been advancing at a rapid pace with the acquisition of advanced facilities and dedicated teaching faculty to properly motivate and mould the students for better and prospective tomorrow. The Department is adequately Plequipped with several full fledged computer laboratories and research groups in order to enhance R & D and consult.



## PATRONS

**Sri. V. M. M. Sainadh Reddy**  
President  
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Vice President  
**Sri. K. Durga Srinivas**  
Secretary  
**Sri. D. Venkata Rao**  
Treasurer  
**Sri. P. Durga Prasad Raju**  
Joint Secretary  
**Dr. S. Srinivasa Rao**  
Correspondent

## CHAIRMAN

**Dr. J. Balabhaskara Rao**  
*Principal, SSCE*

## ORGANISING COMMITTEE

### Convenor

**Mr. M. Murali Krishna**  
*Head of the Department*

### Resource Person

**Mr. S. Kalyan, M. Tech**  
*Assistant Professor Dept. of C. S. E*  
[kalyan828@gmail.com](mailto:kalyan828@gmail.com)  
7013937211

### Program Coordinator

**Mr. N. SaiKiran, M.Tech**  
*Assistant Professor Dept. of C.S.E*  
[mohan.saikiran@gmail.com](mailto:mohan.saikiran@gmail.com)  
9346259619

## SRI SIVANI COLLEGE OF ENGINEERING

*(Under the Management of Sri Sivani Educational Society, Srikakulam)*  
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*NH-16, Chilakapalem Jn., Srikakulam Dist -532410*



## A TWO - WEEK ADD-ON PROGRAM ON "COMPUTER VISION"

*06-12-2021 to 18-12-2021*

*Organized by*

DEPARTMENT OF COMPUTER SCIENCE  
& ENGINEERING





### Objectives of the program :

- The goal of computer vision is to enable computing devices to correctly identify an object or person in a digital image and take appropriate action.

### Outcome of the program :

- Implement fundamental image processing techniques required for computer vision.
  - Understand image formation process.
- Develop computer vision applications.

### Topics covered :

- Introduction to computer vision.
- Image processing for computer vision
  - camera models and views.
- Image features.
- Lighting.
- Image motion.
- 3D perception.
- Introduction to tracking.
- Human visual system

## A TWO-WEEK ADD-ON PROGRAM ON "COMPUTER VISION"

Participant's name :

Gender: Male/Female :

Educational Qualification :

Department :

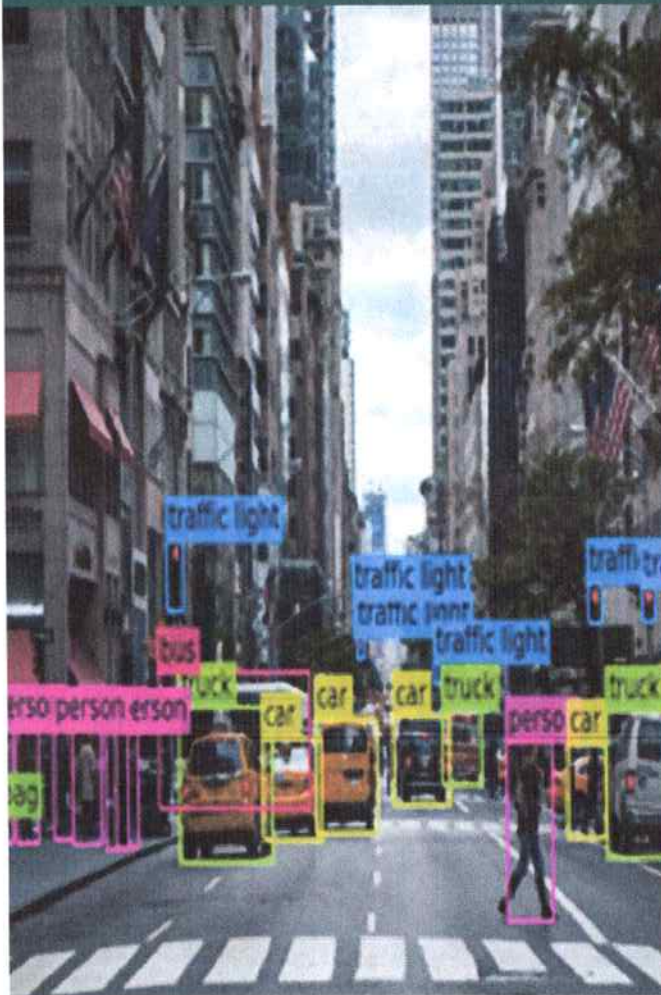
Organization:

Address for Communication :

Mobile Number :

Email ID :

Date:      Signature of the Participant







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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Computer Science & Engineering

Academic Year: 2021-22

Date: 24-11-2021

Name of the program: A Two Week Add-On Program on "Computer Vision"

### List of Enrolled Students

S.No	Roll No	Name Of The Student	Year-Sem	Signature
1	18W61A0502	Agarapu Vamsipriya	IV-I	A. vamsi priya
2	18W61A0503	Allada Sravani	IV-I	A. sravani
3	18W61A0504	Amarapu Charmila	IV-I	A. charmila
4	18W61A0505	Bala Jayaprakash	IV-I	B. Jayaprakash
5	18W61A0506	Balaga Sai Dileep Kumar	IV-I	B. sai dileep kumar
6	18W61A0507	Bandi Rajani	IV-I	B. Rajani
7	18W61A0508	Sanjana Devi Baswa	IV-I	S. Devi Baswa
8	18W61A0509	Battili Likhita	IV-I	B. Likhita
9	18W61A0510	Bejjipurapu Tejeswari	IV-I	B. Tejeswari
10	18W61A0511	Boddepalli Sreelakshmi	IV-I	B. sreelakshmi
11	18W61A0512	Bodepu Vinay Kumar	IV-I	B. vinay kumar
12	18W61A0513	Chilaka Padma	IV-I	C. Padma
13	18W61A0514	Dabbada Saijanjali	IV-I	D. Saijanjali
14	18W61A0515	Duppalapudi Pavan Kumar	IV-I	D. Pavan kumar
15	18W61A0516	G Bhavani Shankar Naidu	IV-I	G. Bhavani shankar
16	18W61A0517	Gandeti Arun Kumar	IV-I	G. Arun kumar
17	18W61A0518	Gangu Roshini	IV-I	G. Roshini
18	18W61A0519	Guntu Suneela	IV-I	G. Suneela
19	18W61A0520	Isai Rajesh	IV-I	I. Rajesh
20	18W61A0521	Kesava John Divaker	IV-I	K. John Divaker
21	18W61A0522	Killamsetti Tripura Sanjana	IV-I	K. Tripura Sanjana
22	18W61A0524	Kondala Rakesh	IV-I	K. Rakesh
23	18W61A0525	Kondri Lakshmi Raveena Yadav	IV-I	K. Lakshmi Raveena Yadav
24	18W61A0526	Korada Ganesh	IV-I	K. Ganesh
25	18W61A0527	Kuppilli Pallavi	IV-I	K. Pallavi
26	18W61A0528	Lanka Pavan Sanjay	IV-I	L. Pavan Sanjay
27	18W61A0529	Madugula Suma	IV-I	M. Suma
28	18W61A0530	Manapuram Sai Susmitha	IV-I	M. Sai susmitha
29	18W61A0531	Meesala Srinivasu Rao Naidu	IV-I	M. srinivasu rao
30	18W61A0532	Mogili Gayatri	IV-I	M. Gayatri
31	18W61A0533	Nallabariki Santoshkumar	IV-I	N. Santoshkumar
32	18W61A0535	Nelli Devi	IV-I	N. Devi
33	18W61A0536	Nidaganti Patnaikuni Lokesh	IV-I	N. patnaikuni Lokesh
34	18W61A0537	Nulu Divya	IV-I	N. Divya
35	18W61A0538	Paidi Pavan	IV-I	P. Pavan
36	18W61A0539	Palakonda Nagaveni	IV-I	P. Nagaveni



37	18W61A0540	Paliseti Sai Kiran	IV-I	P. Sai Kiran
38	18W61A0541	Panasa Dileep	IV-I	P. Dileep
39	18W61A0542	Pappala Harsha Vardhan	IV-I	P. Harsha vardhan
40	18W61A0543	Pariti Sruthi	IV-I	P. Sruthi
41	18W61A0546	Pogiri Hemalatha	IV-I	P. Hemalatha
42	18W61A0547	Pogiri Manoj Kumar	IV-I	P. Manoj Kumar
43	18W61A0548	Pothabattula Venkata Laxmi	IV-I	P. Venkata Laxmi
44	18W61A0550	Pydi Srinivas	IV-I	P. Srinivas
45	18W61A0551	Ratti Hemalatha	IV-I	R. hemalatha
46	18W61A0552	Ravada Jhansi	IV-I	R. Jhansi
47	18W61A0553	Runku Pavan	IV-I	R. Pavan
48	18W61A0554	Sadhunupalli Bhanu	IV-I	S. Bhanu
49	18W61A0555	Sashapu Vamsi Krishna	IV-I	S. Vamsi Krishna
50	18W61A0556	Seemala Geethika	IV-I	S. Geethika
51	18W61A0557	Sriram Grishmasri	IV-I	Sriram Grishmasri
52	18W61A0558	Surapu Suma	IV-I	S. Suma
53	18W61A0559	Talada Devi Prasanna	IV-I	T. Devi Prasanna
54	18W61A0560	Tandra Sowmya	IV-I	T. Sowmya
55	18W61A0561	Tangudu Mounika	IV-I	T. Mounika
56	18W61A0562	Tankala Nitya Priya	IV-I	T. Nitya priya
57	18W61A0563	Tholeti Sukanya	IV-I	T. sukanya
58	18W61A0564	Ungati Anusha	IV-I	U. Anusha
59	18W61A0565	Vana Tanaya	IV-I	V. Tanaya
60	18W61A0566	Vandana Lavanya	IV-I	V. Lavanya
61	18W61A0567	Vavilapalli Rakesh	IV-I	V. Rakesh
62	18W61A0568	Vinnakota Bindu Sarika	IV-I	V. Bindu Sarika
63	18W61A0569	Yenni Deviprasad	IV-I	Y. Deviprasad
64	19W65A0502	Korada Sireesha	IV-I	K. Sireesha
65	19W65A0503	Reddi Maheswari	IV-I	R. Maheswari
66	19W65A0504	Swapna Gondela	IV-I	Swapna
67	17W61A0545	Rayala Triveni	IV-I	R. Triveni

*M. Mohan Sai*  
Program Co-ordinator

*M. Anitha*  
Head of the Department





33	18W61A0536	Nidaganti Patnaikuni Lokesh	P	P	P	P	P	P	P	P	P	P	P	P
34	18W61A0537	Nulu Divya	P	P	P	P	P	P	P	P	P	P	P	P
35	18W61A0538	Paidi Pavan	P	P	P	P	P	P	P	P	P	P	P	P
36	18W61A0539	Palakonda Nagaveni	P	P	P	P	P	P	P	P	P	P	P	P
37	18W61A0540	Palisetti Sai Kiran	P	P	P	P	P	P	P	P	P	P	P	P
38	18W61A0541	Panasa Dileep	P	P	P	P	P	P	P	AB	P	P	P	P
39	18W61A0542	Pappala Harsha Vardhan	P	P	P	P	P	P	P	P	P	P	P	P
40	18W61A0543	Pariti Sruthi	P	P	P	P	P	P	P	P	P	P	P	P
41	18W61A0546	Pogiri Hemalatha	P	P	P	P	P	P	P	P	P	P	P	P
42	18W61A0547	Pogiri Manoj Kumar	P	P	P	P	P	P	P	P	P	P	P	P
43	18W61A0548	Pothabattula Venkata Laxmi	P	P	P	P	P	P	P	P	P	P	P	P
44	18W61A0550	Pydi Srinivas	P	AB	P	P	P	P	P	P	P	P	P	P
45	18W61A0551	Ratti Hemalatha	P	P	P	P	P	P	P	P	P	P	P	P
46	18W61A0552	Ravada Jhansi	P	P	P	P	P	P	P	P	P	P	P	P
47	18W61A0553	Runku Pavan	P	P	P	P	P	P	P	P	P	P	P	P
48	18W61A0554	Sadhunupalli Bhanu	P	P	P	P	AB	P	P	P	P	P	P	P
49	18W61A0555	Sashapu Vamsi Krishna	P	P	P	P	P	P	AB	P	P	P	P	P
50	18W61A0556	Seemala Geethika	P	P	P	P	P	P	P	P	AB	P	P	P
51	18W61A0557	Sriram Grishmasri	P	P	P	P	P	P	P	P	P	P	P	P
52	18W61A0558	Surapu Suma	P	P	P	P	P	P	P	P	P	P	P	P
53	18W61A0559	Talada Devi Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
54	18W61A0560	Tandra Sowmya	P	P	P	AB	P	P	P	P	P	P	P	P
55	18W61A0561	Tangudu Mounika	P	P	P	P	P	P	P	P	P	P	P	P
56	18W61A0562	Tankala Nitya Priya	AB	P	P	P	P	P	P	P	P	P	P	P
57	18W61A0563	Tholeti Sukanya	P	P	P	P	P	P	P	P	P	P	P	P
58	18W61A0564	Ungati Anusha	P	P	P	P	P	P	P	P	P	P	P	P
59	18W61A0565	Vana Tanaya	P	P	P	P	P	P	P	P	P	P	P	P
60	18W61A0566	Vandana Lavanya	P	P	AB	P	P	P	P	P	P	P	P	P
61	18W61A0567	Vavilapalli Rakesh	P	P	P	P	P	P	P	P	P	P	AB	P
62	18W61A0568	Vinnakota Bindu Sarika	P	P	P	P	P	P	P	P	P	P	P	P
63	18W61A0569	Yenni Deviprasad	P	P	P	P	P	P	P	P	P	P	P	P
64	19W65A0502	Korada Sireesha	P	AB	P	P	P	P	P	P	P	P	P	P
65	19W65A0503	Reddi Maheswari	P	P	P	P	P	AB	P	P	P	P	P	P
66	19W65A0504	Swapna Gondela	P	P	P	P	P	P	P	P	P	P	P	P
67	17W61A0545	Rayala Triveni	P	P	P	P	P	P	P	P	P	P	P	P

Signature

*[Handwritten signatures]*

*[Handwritten signature]*  
**Program Coordinator**



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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Computer Science & Engineering

Academic year: 2021-2022

Date: 22-12-2021

### PROGRAM REPORT

**Name of the Program** : A Two Week Certificate Program on Computer Vision

**Date** : 06-12-2021 to 18-12-2021

**Details of Resource Person** : Mr. S. Kalyan, M. Tech  
Assistant Professor  
Dept. of C.S.E.  
Kalyan826@gmail.com  
7013937211

**Details of Program coordinator** : Mr. N. Sai Kiran,  
Assistant Professor  
Dept. of C.S.E.  
[mohhaansaai50@gmail.com](mailto:mohhaansaai50@gmail.com)  
9346259619

### Objectives of the program:

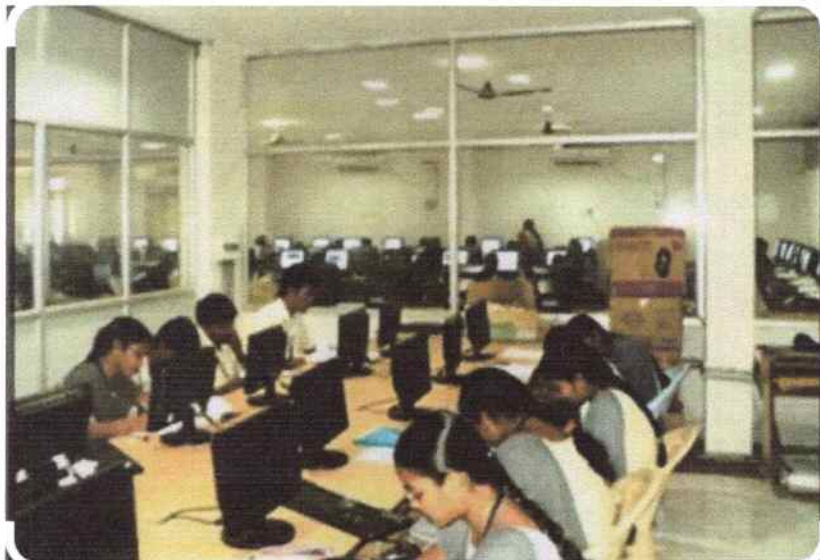
- The goal of computer vision is to enable computing devices to correctly identify an object or person in a digital image and take appropriate action.

### Topics covered:

- Introduction to Computer Vision.
- Image Processing for Computer Vision.
- Camera Models and Views.
- Image Features.
- Lighting.
- Image Motion.
- Introduction to tracking.



- Classification and Recognition.
- Color spaces and segmentation.
- 3D perception.
- Human Visual System.
- The retina and Vision in the brain.



**Outcome of the program:**

- Implement fundamental image processing techniques required for computer vision.
- Understand Image formation process. Develop computer vision applications.

**Number of Participants:** 67

*Mudhaa Laxi*  
**Program Coordinator**



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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Bodepu Vinay Kumar bearing roll no

18W61A0512 of 4<sup>th</sup> year I Semester has completed A Two-Week Add-On Program on

“Computer Vision” during the period 06-12-2021 to 18-12-2021 organized by Department

Computer Science & Engineering

Madhava Sai

CO-ORDINATOR

M. R. K. K. K.

HOD

d

PRINCIPAL





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Ravada Jhansi bearing roll no  
18C061A0552 of 4<sup>th</sup> year I Semester has completed A Two-Week Add-On Program on  
“Computer Vision” during the period 06-12-2021 to 18-12-2021 organized by Department of  
Computer Science & Engineering

*Mohaan Sai*

CO-ORDINATOR

*M. J. K. K. K.*

HOD

*d*

PRINCIPAL



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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Gangula Raghini bearing roll no  
18C061A0518 of 4<sup>th</sup> year I Semester has completed A Two-Week Add-On Program on  
“Computer Vision” during the period 06-12-2021 to 18-12-2021 organized by Department of  
Computer Science & Engineering

*Mohaan Saei*

CO-ORDINATOR

*M. A. K. K. K.*  
HOD

*[Signature]*  
PRINCIPAL





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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. Neelu Divya bearing roll no  
18C061A0537 of 4<sup>th</sup> year I Semester has completed A Two-Week Add-On Program on  
“Computer Vision” during the period 06-12-2021 to 18-12-2021 organized by Department of  
Computer Science & Engineering

*Mohaan Jari*

CO-ORDINATOR

*M. Mohan*

HOD

*d*

PRINCIPAL



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NH-16, Chilakapalem Jn., SrikakulamDist -532410

Date: 17-12-2021

## CIRCULAR

This is to inform that the Department of Mechanical Engineering is organizing **A Two Week Add-on Program on "Introduction to Electric Cars"** from **27/12/2021 to 08/01/2022**. This program focuses on operation of an electric car and its key parts, vehicle dynamics, Motors, Power Electronics, Batteries, Charging, etc. The most important part of this course will be that each topic will be analyzed and demonstrated through Matlab Simulink so that the grip of the subject will be strong and the knowledge acquired will be useable in real-time applications. In this regard, I suggest all final year mechanical students to enroll this course on or before 24/12/2021.












**Venue:** Seminar hall, Block-1

**Coordinator:** Mr.V.Ramudu, Asst. Professor  
Dept. of Mechanical Engineering

  
**Principal**

PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

Dept.	IQAC	Civil	EEE	Mech	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.





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NH-16, Chilakapalem Jn., SrikakulamDist -532410

## Department of Mechanical Engineering

Academic Year: 2021 – 2022

Date: 17/12/2021

Name of the Program: A Two-Week Add-on Program on Introduction to Electric Cars

### PROGRAM SCHEDULE

S.NO	DATE	Topics to be covered
01	27/12/2021	Technology perspective of electric vehicles
02	28/12/2021	Business perspective of electric vehicles
03	29/12/2021	Operation of an electric car and key parts
04	30/12/2021	Types of electric vehicles
05	31/12/2021	Vehicle dynamics, Motors, Power Electronics, Batteries, Charging, etc
06	03/01/2022	Basics of electric vehicles charging
07	04/01/2022	Electric vehicle mobility, electrification
08	05/01/2022	Automation, connectivity
09	06/01/2022	Demonstration through Matlab Simulink
10	07/01/2022	Policy ambitions, Policies and policy instruments
11	08/01/2022	EVs in infrastructure system, social dimensions of EVs

  
Program Coordinator

  
Head of the Department



## ABOUT THE INSTITUTION:

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society. SSCE is a pioneer in the field of engineering education in Srikakulam district (A.P). It was established in the year 2006 under the affiliation of JNT University, Kakinada and approved by AICTE, New Delhi. The college is certified by ISO 9001:20015.

SSCE is situated in a spacious 15 acres campus adjacent to NH-16 at chilkapalem village. The college is easily accessible to all the districts nearby Srikakulam.

SSCE offers B.Tech programmes in E.E.E, E.C.E, C.S.E, Mechanical and Civil Engineering, besides PG programmes M.C.A, M.B.A, M.Tech and Diploma programmes like E.E.E, Mechanical, and Civil Engineering as second shift.

SSCE is completely WiFi enabled and equipped with well established laboratories. The college has focused towards student centric learning atmosphere. The entire faculty is well qualified, experienced equipped with state of art technologies and dedicated to produce marketable products.

## ABOUT THE DEPARTMENT:

SSCE started Mechanical Engineering programme in 2009. The Faculty in the department are in the track of excellence in terms of qualification and experience. Coming from various reputed universities, industries and research oriented organizations, faculty are committed to the noble cause of teaching learning process synchronizing with their efforts. It gives facilities to train in analytical, simulation, design and development and experimental techniques in the Capstone Project. Our department students are developing good research skills, technical and managerial skills which help them to become good technocrats in the society.

The laboratories under various domains are fully equipped with up to date experimental facilities and machineries to train our students and to conduct research. Its got trained in Solid Edge design laboratory, AutoCAD, and ANSYS software. They are also trained in characterizing the microstructure of materials using optical microscope interfaced with image analyzer, hardness tester after making heat treatment such as quenching and tempering, induction hardening and normalizing. These kinds of laboratory trainings are very essential to work in various industries. The departmental project allows students to develop innovative concepts such as robot, automated cars and solar powered equipments and alternate fuel development etc.



### Chief Patron :

**Sri. V.M.M. Sainadh Reddy**  
*President, Sri Sivani Group of Colleges*

### Patrons :

**Sri. J. Suryachandra Rao**  
*Vice President, Sri Sivani Group of Colleges*

**Sri. K. Durga Srinivas**  
*Secretary, Sri Sivani Group of Colleges*

**Sri. D. Venkata Rao**  
*Treasurer, Sri Sivani Group of Colleges*

**Sri. P. Durga Prasad Raju**  
*Joint Secretary, Sri Sivani Group of Colleges*

**Dr. S. Srinivasa Rao**  
*Correspondent, Sri Sivani Group of Colleges*

### Chairman

**Dr. J. Bala Bhaskara Rao,**  
*Principal, Sri Sivani college of engineering*

### Organising Committee

**Mr. L. S. S. Deekshit,**  
*Assoc Professor, Dept. of Mech*  
*H.O.D, Sri Sivani College of Engineering*

### Program-Coordinators :

**Mr. V. Ramudu**  
*Assistant Professor, Dept. of Mech*  
*Sri Sivani College of Engineering*

### Organizing Committee :

All the Staff and Student members of Department of Mechanical Engineering, Sri Sivani College of Engineering, Srikakulam, Andhra Pradesh, India.



**A Two Week-Add on  
Program  
ON**



## Introduction to Electric Cars

27/12/2021 to 8/01/2022.



**Organized by**

**DEPARTMENT OF MECHANICAL  
ENGINEERING**

## Sri Sivani College of Engineering

(Under the Management of Sri Sivani Educational Society, Srikakulam)

(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6, UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)

NH-16, Chilakapalem Jn., Srikakulam Dist.532410



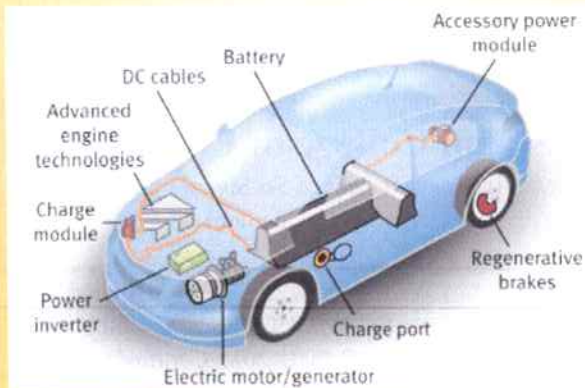
## OBJECTIVE:

- Introduce the fundamental concepts, principles, analysis and design of electric vehicles.
- Review of batteries, fuel cells, flywheels and ultra capacitors as energy sources
- Modelling and analysis of EV/HEV drive train
- Design of traction power electronics

## EXPECTED OUTCOMES:

At the end of the Workshop participants will be able to:

- Understand Requirements for EV/HEV various electric drive-train topologies.
- Describe present AC and DC Motor drives in electric vehicles.
- Analyze traction power electronics
- Familiar with Electric vehicle energy management strategies



## RESOURCE PERSONS

Mr. R. Pavan kumar, M.Tech(PhD).  
Assistant professor, Mechanical engg dept,  
Sri Sivani College of Engineering,  
Contact Number: 8639041627



**Venue:- Seminar hall, SSCE**

## HOW TO APPLY:

Completed application form as per the formats given should reach the convener latest by 24/12/2021. A scanned copy of the filled in form can also be mailed to [ramuvdba@gmail.com](mailto:ramuvdba@gmail.com). In case of delay, filled in copy can be submitted at registration desk on the day of workshop..



## REGISTRATION FORM

Two Week Add-On Program  
On

“ Introduction to electric Cars ”

Department of Mechanical Engineering

27/12/2021 to 8/01/2022.

Participant's name :  
Gender: Male/Female :  
Educational Qualification :  
Department :  
Organization: :  
Address for Communication :

Mobile Number :  
Email ID :  
Fee Particulars : Free

Date:

Signature of the Participant



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Mechanical Engineering

Academic Year: 2021 – 2022

Date: 24/12/2021

Name of the Program: A Two-Week Add-on Program on Introduction to Electric Cars

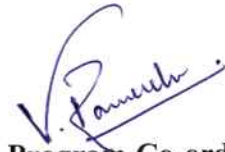
### LIST OF ENROLLED STUDENTS

Sl.No	Roll.No.	Name of the Student	Year/Sem	Signature
1	18W61A0301	Badana Dilleswara Rao	IV/I	B. Dilleswara Rao
2	18W61A0302	Biddika Peturu	IV/I	Biddika Peturu
3	18W61A0303	Darapu Sundar	IV/I	D. Sundar
4	18W61A0304	Dummu Subhash	IV/I	D. Subhash
5	18W61A0305	G Chandra Sekhar	IV/I	G. Chandra Sekhar
6	18W61A0306	Gollangi Azad	IV/I	G. Azad
7	18W61A0307	Gudla Sai Kumar	IV/I	G. Sai Kumar
8	18W61A0308	Guna Sravan	IV/I	G. Sravan
9	18W61A0309	Gurugubilli Siva Prasad	IV/I	G. Siva Prasad
10	18W61A0310	Gurugubelli Jagadeesh	IV/I	G. Jagadeesh
11	18W61A0311	Karni Naresh Kumar	IV/I	K. Naresh Kumar
12	18W61A0312	Konada Suresh	IV/I	K. Suresh
13	18W61A0313	Kontala Krishna	IV/I	K. Krishna
14	18W61A0314	Kotni Venkata Rakesh	IV/I	K. Venkata Rakesh
15	18W61A0315	Kuna Chandra Mouli	IV/I	K. Chandra mouli
16	18W61A0316	Mudidana Raviteja	IV/I	M. Ravi Teja
17	18W61A0317	M Venkata Murali Krishna	IV/I	MV. Murali Krishna
18	18W61A0318	N Praveen Kumar	IV/I	N. Praveen Kumar
19	18W61A0319	P Manikanta Rohith	IV/I	P. M. Rohith
20	18W61A0320	Patti Hareesh	IV/I	P. Hareesh
21	18W61A0321	Ponduru Ravi Kumar	IV/I	P. Ravi Kumar
22	18W61A0323	Posina Sai Ram	IV/I	P. Sai Ram
23	18W61A0324	Potnuru Aditya	IV/I	P. Aditya
24	18W61A0325	Raiti Rakesh	IV/I	R. Rakesh
25	18W61A0326	Sadagana Yaswanth	IV/I	S. Yaswanth
26	18W61A0327	Savalapuram Prudhvi	IV/I	S. Prudhvi
27	18W61A0328	Simhadri Sai Kiran	IV/I	S. Sai Kiran

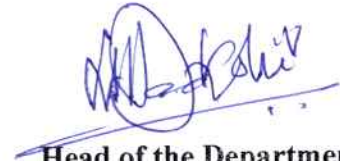


28	18W61A0329	Surada Venkata Ramana	IV/I	S.V. Ramana
29	18W61A0330	S Jagadeeswara Rao	IV/I	S. Jagadeeswara Rao
30	18W61A0331	Talagana Babu Rao	IV/I	T. Babu Rao
31	18W61A0332	Thota Satish	IV/I	T. Satish
32	18W61A0333	Utapalli Devi Prasad	IV/I	U. Devi Prasad
33	18W61A0334	Vasantula Babji	IV/I	V. Babji
34	18W61A0335	Velamala Naveen Naidu	IV/I	V. Naveen Naidu
35	18W61A0336	Yadla Dushyanth	IV/I	Y. Dushyanth
36	18W61A0337	Yadla Eswara Rao	IV/I	Y. Eswara Rao
37	19W65A0301	Anguru Vallabharao	IV/I	A. Vallabharao
38	19W65A0302	Asanti Yogeswararao	IV/I	A. Yogeswararao
39	19W65A0303	Badana Sai Kumar	IV/I	B. Sai Kumar
40	19W65A0304	Badana Vinod	IV/I	B. Vinod
41	19W65A0305	Basina Govindaraju	IV/I	B. Govindaraju
42	19W65A0306	Bongu Yugandhar	IV/I	B. Yugandhar
43	19W65A0307	Bonthu Durgaprasad	IV/I	B. Durgaprasad
44	19W65A0309	Boyina Shanmukha Rao	IV/I	B. Shanmukha Rao
45	19W65A0311	Buddala Srinu	IV/I	B. Srinu
46	19W65A0313	Chettu Hari Krishna	IV/I	C. Hari Krishna
47	19W65A0314	Chitti Santhosh Kumar	IV/I	C. Santhosh Kumar
48	19W65A0315	Chnchala Kishor Kumar	IV/I	C. Kishor Kumar
49	19W65A0316	Chukka Vinaykumar	IV/I	C. Vinay Kumar
50	19W65A0317	Dasari Lakshminarayana	IV/I	D. Lakshminarayana
51	19W65A0318	Duggu Jagadheeswara Rao	IV/I	D. Jagadheeswara Rao
52	19W65A0319	Dumpa Naga Raju	IV/I	D. Nagaraju
53	19W65A0320	G Trinethra Siddhardha	IV/I	G.T. Siddhardha
54	19W65A0321	Gudla Dinesh	IV/I	G. Dinesh
55	19W65A0322	Ilapanda Ravikumar	IV/I	I. Ravi Kumar
56	19W65A0323	Ippili Mohan	IV/I	I. Mohan
57	19W65A0325	Jami Sai Krishna	IV/I	J. Sai Krishna
58	19W65A0326	Kadupu Rajasekhar	IV/I	K. Rajasekhar
59	19W65A0327	Kandula Hemanthkumar	IV/I	K. Hemanth Kumar
60	19W65A0328	Karanam Ratna Kumar	IV/I	K. Ratna Kumar
61	19W65A0329	Keti Sailaja	IV/I	K. Sailaja
62	19W65A0330	Konari Surya Narayana	IV/I	K. Surya Narayana
63	19W65A0331	Kondri Dhanunjayarao	IV/I	K. Dhanunjayarao
64	19W65A0332	Korada Tarun Kumar	IV/I	K. Tarun Kumar
65	19W65A0333	Kornu Hari Prasad	IV/I	K. Hari Prasad
66	19W65A0334	Kornu Saikiran	IV/I	K. Saikiran
67	19W65A0336	Koyyana Ram Prasad	IV/I	K. Ram Prasad

68	19W65A0339	Merugu Durga Prasad	IV/I	M. Durga prasad.
69	19W65A0340	Moyya Govindarao	IV/I	M. Govinda rao
70	19W65A0341	Muddada Vamsi Tirumala	IV/I	M. Vamsi Tirumala.
71	19W65A0343	Pekala Gowtham	IV/I	P. Gowtham
72	19W65A0344	Peyyila Shanmukha Rao	IV/I	P. Shanmukha Rao
73	19W65A0346	Podilapu Rajkumar	IV/I	P. Rajkumar.
74	19W65A0347	Poojari Sai Revanth Kumar	IV/I	P.S. Revanth Kumar.
75	19W65A0348	Runku Rohit	IV/I	R. Rohit
76	19W65A0349	Seepana Suresh	IV/I	S. Suresh
77	19W65A0350	Sopinti Rajasekhar	IV/I	S. Rajasekhar
78	19W65A0351	Vutla Saikumar	IV/I	V. Saikumar.
79	19W65A0352	Yalamanchili Suresh	IV/I	Y. Suresh.
80	19W65A0354	Adasada Rakesh	IV/I	A. Rakesh
81	17W65A0348	Palguna Rao	IV/I	P. Rao



**Program Co-ordinator**



**Head of the Department**











Sl.No	Roll.No.	Name of the Student	01	02	03	04	05	06	07	08	09	10	11
			27/12	28/12	29/12	30/12	31/12	3/1	4/1	5/1	6/1	7/1	8/1
65	19W65A0333	Kornu Hari Prasad	P	P	P	P	P	P	P	P	A	P	P
66	19W65A0334	Kornu Saikiran	P	A	P	P	P	P	P	A	P	P	P
67	19W65A0336	Koyyana Ram Prasad	A	P	A	P	P	P	P	P	P	P	P
68	19W65A0339	M Durga Prasad	P	P	A	P	P	P	P	P	P	P	P
69	19W65A0340	Moyya Govindarao	P	P	P	A	P	P	P	P	P	P	P
70	19W65A0341	M Vamsi Tirumala	P	A	P	P	P	P	P	P	P	P	P
71	19W65A0343	Pekala Gowtham	P	P	P	P	A	P	P	P	P	P	P
72	19W65A0344	P Shanmukha Rao	P	P	P	A	P	P	P	P	P	P	P
73	19W65A0346	Podilapu Rajkumar	P	P	A	P	P	P	P	P	P	P	P
74	19W65A0347	P Sai Revanth Kumar	P	A	P	P	P	P	P	P	P	P	P
75	19W65A0348	Runku Rohit	P	P	P	P	P	P	P	P	A	P	P
76	19W65A0349	Seepana Suresh	P	P	P	A	P	P	P	P	P	P	P
77	19W65A0350	Sopinti Rajasekhar	P	P	P	P	P	P	P	P	P	P	P
78	19W65A0351	Vutla Saikumar	P	P	P	P	A	P	P	P	P	P	P
79	19W65A0352	Y Suresh	P	P	P	A	P	P	P	A	P	P	P
80	19W65A0354	Adasada Rakesh	P	P	P	P	A	P	P	P	P	P	P
81	17W65A0348	Palguna Rao	P	P	P	P	P	P	P	A	P	P	P
Signature			<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>	<i>V.R.</i>

*V. Pannela*  
Program Coordinator

*V. R. Suresh*  
Head of the Department



# SRI SIVANI COLLEGE OF ENGINEERING

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(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., SrikakulamDist -532410

## Department of Mechanical Engineering

Academic Year: 2021 – 2022

Date: 10/01/2022

### PROGRAM REPORT

**Name of the Program** : A Two week Add-on Program on Introduction to  
Electric cars

**Program Duration** : Two weeks (27/12/2021 to 8/01/2022, 11 days)

**Resource Person Details** : Mr. R. Pavankumar, M.Tech  
Asst. Professor, Mechanical Department  
Sri Sivani College of Engineering, Srikakulam  
Contact Number: 8639041627

**Program Coordinator Details** : Mr. V. Ramudu, M.Tech  
Asst. Professor, Mechanical Department  
Sri Sivani College of Engineering, Srikakulam  
Contact number: 7981244957

**Number of Students attended** : 81

**Program Venue** : Seminar Hall, SSCE Block-1

#### **Program Objectives:**

- Introduce the fundamental concepts, principles, analysis and design of electric vehicles.
- Review of batteries, fuel cells, flywheels and ultra capacitors as energy sources
- Modelling and analysis of EV/HEV drive train
- Design of traction power electronics.



## **Topics Covered:-**

1. Basics of Electric Vehicles (EVs)
2. Components of an Electric Car
3. Electric Motors and Drivetrain
4. Battery Technologies for Electric Cars
5. Charging Infrastructure and Standards
6. Range Estimation and Battery Management
7. Power Electronics in Electric Vehicles
8. Electric Vehicle Architecture
9. Design Considerations for Electric Cars
10. Electric Vehicle Safety and Regulations
11. Sustainability in Electric Mobility
12. Advances in Battery Technologies
13. Autonomous Electric Vehicles
14. Market Trends in Electric Vehicles
15. Case Studies of Electric Car Manufacturers
16. Electric Vehicle Maintenance and Service
17. Environmental Impact of Electric Cars
18. Integration with Smart Grids
19. Electric Car Racing and Technology
20. Future Developments in Electric Cars

### **Learning Outcomes:**

Upon completion of this course the student will be able to:

- Understand Requirements for EV/HEV various electric drive-train topologies.
- Describe present AC and DC Motor drives in electric vehicles.
- Analyze traction power electronics
- Familiar with Electric vehicle energy management strategies.



  
**Program Coordinator**

  
**Head of the Department**





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NH-16, Chilakapalem Jn., Srikakulam Dist-532410

**Department of Mechanical Engineering**

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. KETI. SATIAJA bearing roll no 19W65A0329  
of IV Year 2 Semester has completed A Two Week Add-On Program on "Introduction  
to Electric Cars" during the period 27-12-2021 to 8-01-2022.

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist-532410

**Department of Mechanical Engineering**

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. KONTALA KRISHNA bearing roll no 18W61A0313  
of IV Year I Semester has completed A Two Week Add-On Program on “Introduction  
to Electric Cars” during the period 27-12-2021 to 8-01-2022.

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL





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NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## Department of Mechanical Engineering

### CERTIFICATE OF PARTICIPATION



This is to certify that Mr./Ms. MOYYA. GOVINDARAO bearing roll no 19W65A0340  
of IV Year I Semester has completed A Two Week Add-On Program on “Introduction  
to Electric Cars” during the period 27-12-2021 to 8-01-2022.

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 04-02-2022

## CIRCULAR

Here by informed to all the 1<sup>st</sup> year CSE & CIVIL students that, the Department of Humanities and Basics Science is planning to organize A **Two-week ADD-ON Program on "Recent trends in Mat lab And R-Programming from 14-02-2022 to 25-02-2022** . This program is aimed at enhancing your skills and knowledge. In this regard, I suggest all students should enroll this program on or before **09-02-2022**.

**Venue:** Seminar Hall, Block – 1, SSCE.

**Coordinator:** Mrs B Padmavathi, Assoc. Prof,  
Department of Humanities and Basics Sciences

Principal

SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

Dept.	IQAC	Civil	EEE	Mech	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF HUMANITIES & BASIC SCIENCES

Academic Year : 2021-22

Date: 28-02-2022

Name of the program: A Two-week Add-On Program on "MAT LAB AND R-PROGRAMMING"

### PROGRAM SCHEDULE

S.No	Date	Topics To Be Covered
1	14-02-2022	Introduction
2	15-02-2022	Introduction to matrix generation
3	16-02-2022	Entering a vector, entering a matrix
4	17-02-2022	Colon operator
5	18-02-2022	Creating a sub matrix
6	19-02-2022	Transposing a matrix
7	21-02-2022	Matrix arithmetic operations
8	22-02-2022	Deleting row or column
9	23-02-2022	Dimension
10	24-02-2022	Continuation
11	25-02-2022	Matrix generators

  
Program Coordinator

  
Head of the Department



## ABOUT THE INSTITUTION

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society. SSCE is a pioneer in the field of engineering education in Srikakulam district (A.P). It was established in the year 2006 under the affiliation of JNTUK, Kakinada and approved by AICTE, New Delhi. The college is UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified) SSCE is situated in a spacious 11 acres campus adjacent to NH-16 at chilkapalem village. The college is easily accessible to all the districts nearby Srikakulam. SSCE offers B.Tech programmes in E.E.E, E.C.E, C.S.E, Mechanical and Civil Engineering, besides PG programmes M.C.A, M.B.A, M.Tech and Diploma programmes like E.E.E, Mechanical, and Civil Engineering as second shift. SSCE is completely Wi-Fi enabled and equipped with well established laboratories. The college has focused towards student centric learning atmosphere. The faculty is well qualified, experienced equipped with state of art technologies and dedicated to produce marketable products.

## ABOUT THE DEPARTMENT

The Department of Humanities and Basic Sciences, Sri Sivani College of Engineering was established in the year 2006. The department has always been on a progressive path, thanks to the experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education.

### CHIEF PATRON

Sri. V.M.M. Sainadh Reddy, President,

### PATRONS

Sri. J. Suryachandra Rao, Vice President,  
Sri. K. Durga Srinivas, Secretary,  
Sri. D. Venkata Rao, Treasurer,  
Sri. P. Durga Prasad Raju, Joint Secretary,  
Sri. S. Srinivasa Rao, Correspondent,

### CHAIRMAN

J. Bala Bhaskar,  
Principal, SSCE

### CONVENER

K. Madhukumar,  
Associate Professor,  
Dept. of H&BS

### Program Co-ordinator

Mrs. B. Padmavathi,  
Associate Professor, Dept. of H&BS,  
Sri Sivani College of Engineering  
rakshithanaidu1997@gmail.com,  
8919416980

### RESOURCE PERSONS

Dr. B. Neela Rao  
Associate Professor, Dept. of Mathematics  
RJUKT-IIIT  
neelaraob@gmail.com  
9441119945



## SRI SIVANI COLLEGE OF ENGINEERING



## A TWO-WEEK ADD-ON PROGRAM ON “RECENT TRENDS IN MATLAB & R- PROGRAMMING”

(14th - 25th Feb 2022)

Organized by  
Department of Humanities & Basic  
Sciences



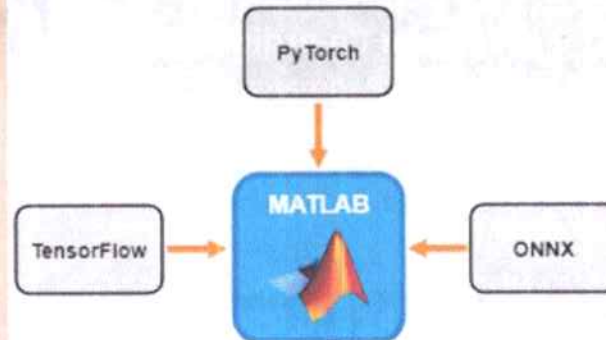
## OBJECTIVES

- To analyse teaching material and methods used for MATLAB in each of the four engineering disciplines.
- To structure a new blended learning course such that it could be used standalone or integrated into existing courses.
- To develop learning outcomes that would provide a basic introduction to MATLAB but include some discipline-specific examples to help maintain student engagement.
- To create a core of interactive material, such as video screencasts and self-test review questions, that would be linked together by a course document (PDF).
- To host all of the learning/teaching material online.
- To schedule delivery of the course around self-paced, self-study learning combined within face-to-face drop-in and example class sessions.



## PROGRAM SCHEDULE

- Introduction
- Introduction to matrix generation
- Entering a vector, Entering a matrix
- Colon operator
- Creating a sub matrix
- Transposing a matrix
- Matrix arithmetic Operations
- Deleting row or column
- Dimension
- Continuation
- Matrix generators



## REGISTRATION FORM

**A TWO-WEEK ADD-ON  
PROGRAM ON  
“RECENT TRENDS IN MATLAB  
&  
R- PROGRAMMING”  
(04-02-2022 to 25-02-2022)**

Participant's Name :

Gender: Male/Female :

Educational Qualification :

Department :

Organization:

Address for Communication :

Mobile Number :

Email ID :

Date:

Signature of the Participant



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Humanities & Basic Sciences

Academic Year: 2021-22

Date: 14-02-2022

Name of the program: A Two Week Add-On Program on "MAT lab and R-Programming".

### List of Enrolled Students

S.No	Roll No	Name of the student	Year/Sem	Signature
1	21W61A0101	BonelaAravind	I/I	B. Aravind
2	21W61A0102	BudumuruJagannadha Rao	I/I	B. Jagannadha Rao
3	21W61A0103	ChelluriJagadeesh Kumar	I/I	Ch. Jagadeesh Kumar
4	21W61A0104	EdubilliPremkumar	I/I	E. Premkumar
5	21W61A0105	LavetiMurali Krishna	I/I	L. Murali Krishna
6	21W61A0106	Lingala Yuvaraj	I/I	L. Yuvaraj
7	21W61A0107	MuddadaManeesha	I/I	M. Maneesha
8	21W61A0108	PolaLokesh	I/I	P. Lokesh
9	21W61A0109	RallapetaKumaraswami	I/I	R. Kumaraswami
10	21W61A0110	RavadaLeelamohan	I/I	R. Leelamohan
11	21W61A0111	Sadhu JyothiSwaroop	I/I	S. JyothiSwaroop
12	21W61A0112	SavaraVeerendraswAmynath	I/I	S. veerendraswAmynath
13	21W61A0113	Vambaravall I Siva	I/I	V. Siva
14	21W61A0114	PudiSaikrishna	I/I	P. Saikrishna
15	21W61A0501	Aggala Krishna	I/I	A. Krishna
16	21W61A0502	Ambati Hari	I/I	A. Hari
17	21W61A0503	AmbugamPremkumar	I/I	A. Premkumar
18	21W61A0504	AmpoluHemalatha	I/I	A. P. Hemalatha
19	21W61A0505	Anapu Yamuna	I/I	A. Yamuna
20	21W61A0506	Bagadi Santhosh Kumar	I/I	B. Santhosh Kumar
21	21W61A0507	B D S Venkata Lakshmi Sravya	I/I	B. VENKAT Lakshmi Sravya
22	21W61A0508	BankuruSnehaPriya	I/I	B. Sneha Priya
23	21W61A0509	BendiLikhitha	I/I	B. Likhitha
24	21W61A0510	BiddikaEliya Kumar	I/I	B. Eliya Kumar
25	21W61A0511	BonelaBhavana	I/I	B. Bhavana
26	21W61A0512	BoyinaKalyani	I/I	B. Kalyani
27	21W61A0513	Buragapu Abhishek	I/I	B. Abhishek
28	21W61A0514	ChigilipalliSwathi	I/I	Ch. Swathi
29	21W61A0515	ChintadaSireesha	I/I	Ch. Sireesha
30	21W61A0516	ChodipalliSagar	I/I	Ch. Sagar



31	21W61A0517	Dharmavarap U Devisrilekha	I/I	D. Devisrilekha
32	21W61A0518	Duba Chiranjeevi	I/I	D. Chiranjeevi
33	21W61A0519	Dunga Mahendra	I/I	D. Mahendra
34	21W61A0520	Edubilli Kalyan Kumar	I/I	E. Kalyan
35	21W61A0521	Gangarapu Karthik	I/I	G. Karthik
36	21W61A0522	Ginni Rajyalakshmi	I/I	G. Rajyalakshmi
37	21W61A0523	Goddu Pujitha	I/I	G. Pujitha
38	21W61A0524	Gorle Manikanta	I/I	G. Manikanta
39	21W61A0525	Gunta Abhinaya	I/I	G. Abhinaya
40	21W61A0526	Gurugubelli Priyanka	I/I	G. Priyanka
41	21W61A0527	Kadiri Kusuma	I/I	K. Kusuma
42	21W61A0528	Kandula Prem Sagar	I/I	K. Prem Sagar
43	21W61A0529	Karanam Akhileswari	I/I	K. Akhileswari
44	21W61A0530	Karanam Madhumitha	I/I	K. Madhumitha
45	21W61A0531	Karanam Santosh	I/I	K. Santosh
46	21W61A0532	Karnayana Sai Prasanna	I/I	K. Sai Prasanna
47	21W61A0533	Karri Gurumurthy	I/I	K. Gurumurthy
48	21W61A0534	Karubothu Tejaswi	I/I	K. Tejaswi
49	21W61A0535	Kesireddy Abhinav	I/I	K. Abhinav
50	21W61A0536	Kesireddy Abhiram	I/I	K. Abhiram
51	21W61A0537	Killamsetty Vivek	I/I	K. Vivek
52	21W61A0538	Komara Alekhya	I/I	K. Alekhya
53	21W61A0539	Konada Swathi	I/I	K. Swathi
54	21W61A0540	Kondapalli Lakshman	I/I	K. Lakshman
55	21W61A0541	Korukonda Bhanu Teja	I/I	K. Bhanu Teja
56	21W61A0542	Kuruhuru Hema Sunder Babu	I/I	K. Hema Sunder Babu
57	21W61A0543	Laveti Divya	I/I	L. Divya
58	21W61A0544	Likhitha Routhu	I/I	L. Routhu
59	21W61A0545	Lotla Gowthami	I/I	L. Gowthami
60	21W61A0546	Lukalapu Gayatri	I/I	L. Gayatri
61	21W61A0547	Maddi Kavya	I/I	M. Kavya
62	21W61A0548	Menda Yugandhar	I/I	M. Yugandhar
63	21W61A0549	Muddapu Krishna Vamsee	I/I	M. Krishna Vamsee
64	21W61A0550	Mukalla Kovida	I/I	M. Kovida
65	21W61A0551	Mundururu Gowthami	I/I	M. Gowthami
66	21W61A0552	Muravadala Jyothi	I/I	M. Jyothi
67	21W61A0553	Najana Durgaprasad	I/I	N. Durgaprasad
68	21W61A0554	N V Jagannadha Chandra Mouli	I/I	N. V. Jagannadha Chandra Mouli
69	21W61A0555	P Ramesh	I/I	P. Ramesh
70	21W61A0556	Paila Rupasankar	I/I	P. Rupasankar
71	21W61A0557	Palasa Jagadeesh	I/I	P. Jagadeesh
72	21W61A0558	Palli Dharani	I/I	P. Dharani
73	21W61A0559	Pandiri Jayasri	I/I	P. Jayasri
74	21W61A0560	Panduru Raghu	I/I	P. Raghu

75	21W61A0561	Patruni Jyothsna	I/I	P. Jyothsna
76	21W61A0562	Pavan Sai Kuppannagari	I/I	K. Pavan Sai
77	21W61A0563	Pedada Revanth Kumar	I/I	P. Revanth
78	21W61A0564	Peddakota Lalitha	I/I	p. lalitha
79	21W61A0565	Pekala Surya	I/I	P. Surya
80	21W61A0566	Penta Sai Kiran	I/I	P. Saikiran
81	21W61A0567	Pilli Pavani	I/I	p. pavani
82	21W61A0568	Pinninti Vasantha	I/I	P. vasantha
83	21W61A0569	Pinninti Vikas	I/I	P. vikas
84	21W61A0570	Pogaru Siva Sivani	I/I	P. Siva Sivani
85	21W61A0571	Pothula Anjali	I/I	p. Anjali
86	21W61A0572	Priya Asritha	I/I	p. Asritha
87	21W61A0573	Puligopu Sai Surya Gurucharan	I/I	P. Gurucharan
88	21W61A0574	Raghupatruni Pravallika	I/I	R. Pravallika
89	21W61A0575	Runku Jyothirmayi	I/I	R. Jyothirmayi
90	21W61A0576	Sathyavarapu Akash	I/I	S. Akash
91	21W61A0577	Savadala Venkata Ramana	I/I	S. Ramana
92	21W61A0578	Seerapu Navya	I/I	S. Navya
93	21W61A0579	Sigalapelli Hemanth	I/I	S. Hemanth
94	21W61A0580	Srikakulam Neelima	I/I	S. Neelima
95	21W61A0581	Surabattula Sai Ganitha	I/I	S. Sai Ganitha
96	21W61A0582	Talasu Sai Manikanta	I/I	T. Sai Manikanta
97	21W61A0583	Tankala Hemanth Kumar	I/I	T. Hemanth Kumar
98	21W61A0584	Tankala Mallikharjuna Rao	I/I	T. Mallikharjuna Rao
99	21W61A0585	Thogarapu Syamala	I/I	T. Syamala
100	21W61A0586	Tulagapu Pradeep Kumar	I/I	T. Pradeep Kumar
101	21W61A0587	Udandarao Siri Bhavana	I/I	U. Siri Bhavana
102	21W61A0588	Undralla Narayana Murthy	I/I	U. Narayana Murthy
103	21W61A0589	Vakada Durga Prasad	I/I	V. Durga Prasad
104	21W61A0591	Yagoti Dileep	I/I	Y. Dileep
105	21W61A0592	Yerra Kavya	I/I	Y. Kavya

  
Program Co-Ordinator

  
Head of the Department





# SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF HUMANITIES & BASIC SCIENCES

Academic Year: 2021-22

Program Name: A Two Week Add-On Program on "Recent Trends in MAT Lab and R-Programming".

### Day Wise Attendance Sheet

S.No	Roll No	Name Of The Student	01	02	03	04	05	06	07	08	09	10	11
			14/02	15/02	16/02	17/02	18/02	19/02	21/02	22/02	23/02	24/02	25/02
1	21W61A0101	Bonela Aravind	P	P	P	P	P	P	P	P	P	P	P
2	21W61A0102	Budumuru Jagannadha Rao	P	P	P	P	P	P	P	P	P	P	P
3	21W61A0103	Chelluri Jagadeesh Kumar	P	P	P	P	P	P	P	P	P	P	P
4	21W61A0104	Edubilli Premkumar	P	P	P	P	P	P	P	P	P	P	P
5	21W61A0105	Laveti Murali Krishna	P	P	P	P	A	P	P	P	P	P	P
6	21W61A0106	Lingala Yuvaraj	P	P	P	P	P	P	P	P	P	P	P
7	21W61A0107	Muddada Maneesha	P	P	P	P	P	P	P	P	P	P	P
8	21W61A0108	Pola Lokesh	P	P	P	P	P	P	P	P	P	P	P
9	21W61A0109	Rallapeta Kumaraswami	P	P	P	P	P	P	P	P	P	P	P
10	21W61A0110	Ravada Leelamohan	P	P	P	P	P	P	P	P	P	P	P
11	21W61A0111	Sadhu Jyothi Swaroop	P	A	P	P	P	P	P	P	P	P	P
12	21W61A0112	Savara Veerendrasw Amynath	P	P	P	P	P	P	P	P	P	P	P
13	21W61A0113	Vambaravall I Siva	P	P	P	P	P	P	P	A	P	P	P
14	21W61A0114	PUDI SAIKRISHNA	P	P	P	P	P	P	P	P	P	P	P
15	21W61A0501	Aggala Krishna	P	P	P	P	P	P	P	P	P	P	P
16	21W61A0502	Ambati Hari	P	P	P	P	P	P	P	P	P	P	P
17	21W61A0503	Ambugam Premkumar	P	P	P	P	P	P	P	P	P	P	P
18	21W61A0504	Ampolu Hemalatha	P	P	P	P	P	P	A	P	P	P	P
19	21W61A0505	Anapu Yamuna	P	P	P	P	P	P	P	P	P	P	P
20	21W61A0506	Bagadi Santhosh Kumar	P	P	P	P	P	P	P	P	A	P	P
21	21W61A0507	B D S Venkata Lakshmi Sravya	P	P	P	P	P	P	P	P	P	P	P
22	21W61A0508	Bankuru Sneha Priya	P	P	P	A	P	P	P	P	P	P	P
23	21W61A0509	Bendi Likhitha	P	P	P	P	P	P	P	P	P	P	P
24	21W61A0510	Biddika Eliya Kumar	P	P	P	P	P	P	P	P	P	P	P
25	21W61A0511	Bonela Bhavana	P	P	P	P	P	P	P	P	P	P	P
26	21W61A0512	Boyina Kalyani	P	P	P	P	P	P	P	P	P	P	P
27	21W61A0513	Buragapu Abhishek	P	P	P	P	P	P	P	P	P	P	A
28	21W61A0514	Chigilipalli Swathi	P	P	P	P	P	P	P	P	P	P	P
29	21W61A0515	Chintada Sireesha	P	P	P	P	P	P	P	P	P	P	P
30	21W61A0516	Chodipalli Sagar	P	P	P	P	P	P	P	P	P	P	P
31	21W61A0517	Dharmavarap U Devisrilekha	P	P	P	P	P	P	P	P	P	P	P
32	21W61A0518	Duba Chiranjeevi	P	P	P	P	P	P	A	P	P	P	P
33	21W61A0519	Dunga Mahendra	P	P	P	P	P	P	P	P	P	P	P
34	21W61A0520	Edubilli Kalyan Kumar	P	P	P	P	P	P	P	P	P	P	P



S.No	Roll No	Name Of The Student	01	02	03	04	05	06	07	08	09	10	11
			14/2	15/02	16/02	17/02	18/02	19/02	21/02	22/02	23/02	24/02	25/02
35	21W61A0521	Gangarapu Karthik	P	P	P	P	P	P	P	P	P	P	P
36	21W61A0522	Ginni Rajyalakshmi	P	P	P	P	P	P	P	P	P	P	P
37	21W61A0523	Goddu Pujitha	P	P	P	P	P	P	P	P	P	P	P
38	21W61A0524	Gorle Manikanta	P	P	P	P	P	P	P	P	P	P	P
39	21W61A0525	Gunta Abhinaya	P	P	P	P	P	P	P	P	P	P	P
40	21W61A0526	Gurugubelli Priyanka	A	P	P	P	P	P	P	P	P	P	P
41	21W61A0527	Kadiri Kusuma	P	P	P	P	P	P	P	P	P	P	P
42	21W61A0528	Kandula Prem Sagar	P	P	P	P	P	P	P	P	P	P	P
43	21W61A0529	Karanam Akhileswari	P	P	P	P	P	A	P	P	P	P	P
44	21W61A0530	Karanam Madhumitha	P	P	P	P	P	P	P	P	P	P	P
45	21W61A0531	Karanam Santosh	P	P	P	P	P	P	P	P	P	P	P
46	21W61A0532	Karnayana Sai Prasanna	P	P	P	P	P	P	P	P	P	P	P
47	21W61A0533	Karri Gurumurthy	P	P	P	P	P	P	P	P	P	A	P
48	21W61A0534	Karubothu Tejaswi	P	P	P	P	P	P	P	P	P	P	P
49	21W61A0535	Kesireddy Abhinav	P	P	P	P	P	P	P	P	P	P	P
50	21W61A0536	Kesireddy Abhiram	P	P	P	P	P	P	P	P	P	P	P
51	21W61A0537	Killamsetty Vivek	P	P	P	P	P	P	P	P	P	P	P
52	21W61A0538	Komara Alekhya	P	P	P	P	P	P	P	P	P	P	P
53	21W61A0539	Konada Swathi	P	P	P	P	P	P	P	P	P	P	P
54	21W61A0540	Kondapalli Lakshman	P	P	P	P	A	P	P	P	P	P	P
55	21W61A0541	Korukonda Bhanu Teja	P	P	P	P	P	P	P	P	P	P	P
56	21W61A0542	Kuruhuru Hema Sunder Babu	P	P	P	P	P	P	P	P	P	P	P
57	21W61A0543	Laveti Divya	P	P	P	P	P	P	P	P	P	P	P
58	21W61A0544	Likhitha Routhu	P	P	P	P	P	P	P	P	P	P	P
59	21W61A0545	Lotla Gowthami	P	P	P	P	P	P	P	P	P	P	P
60	21W61A0546	Lukalapu Gayatri	P	P	P	P	P	P	P	P	P	P	P
61	21W61A0547	Maddi Kavya	P	P	P	P	P	P	P	P	P	P	P
62	21W61A0548	Menda Yugandhar	P	P	P	P	P	P	P	P	P	P	P
63	21W61A0549	Muddapu Krishna Vamsee	P	P	P	P	P	P	P	P	P	P	P
64	21W61A0550	Mukalla Kovida	P	P	P	P	P	P	P	P	P	P	P
65	21W61A0551	Munduru Gowthami	P	A	P	P	P	P	P	P	P	P	P
66	21W61A0552	Muravadala Jyothi	P	P	P	P	P	P	P	P	P	P	P
67	21W61A0553	Najana Durgaprasad	P	P	P	P	P	A	P	P	P	P	P
68	21W61A0554	N V J Chandra Mouli	P	P	P	P	P	P	P	P	P	P	P
69	21W61A0555	P Ramesh	P	P	P	P	P	P	P	P	P	P	P
70	21W61A0556	Paila Rupasankar	P	P	P	P	P	P	P	P	P	P	P
71	21W61A0557	Palasa Jagadeesh	P	P	P	P	P	P	P	P	P	P	P
72	21W61A0558	Palli Dharani	P	P	P	P	P	P	P	P	P	P	P
73	21W61A0559	Pandiri Jayasri	P	P	P	P	P	P	P	P	P	P	P
74	21W61A0560	Panduru Raghu	P	P	P	P	P	P	P	P	P	P	P
75	21W61A0561	Patruni Jyothsna	P	P	P	A	P	P	P	P	P	P	P
76	21W61A0562	Pavan Sai Kuppannagari	P	P	P	P	P	P	P	P	P	P	A
77	21W61A0563	Pedada Revanth Kumar	P	P	P	P	P	P	P	P	P	P	P
78	21W61A0564	Peddakota Lalitha	P	P	P	P	P	P	P	P	P	P	P
79	21W61A0565	Pekala Surya	P	P	P	P	P	P	P	P	P	P	P
80	21W61A0566	Penta Sai Kiran	P	P	P	P	P	P	P	P	P	P	P
81	21W61A0567	Pilli Pavani	P	P	P	P	P	P	P	P	P	P	P



S.No	Roll No	Name Of The Student	01 14/02	02 15/02	03 16/02	04 17/02	05 18/02	06 19/02	07 21/02	08 22/02	09 23/02	10 24/02	11 25/02
82	21W61A0568	Pinninti Vasantha	P	P	P	P	P	P	P	P	P	P	P
83	21W61A0569	Pinninti Vikas	P	P	P	P	P	P	P	P	A	P	P
84	21W61A0570	Pogaru Siva Sivani	P	A	P	P	P	P	P	P	P	P	P
85	21W61A0571	Pothula Anjali	P	P	P	P	P	P	P	P	P	P	P
86	21W61A0572	Priya Asritha	P	P	P	P	P	P	P	P	P	P	P
87	21W61A0573	Puligopu Sai Surya Gurucharan	P	P	P	P	P	P	P	A	P	P	P
88	21W61A0574	Raghupatruni Pravallika	P	P	A	P	P	P	P	P	P	P	P
89	21W61A0575	Runku Jyothirmayi	P	P	P	P	P	P	P	P	P	P	P
90	21W61A0576	Sathyavarapu Akash	A	P	P	P	P	P	P	P	P	P	P
91	21W61A0577	Savadala Venkata Ramana	P	P	P	P	A	P	P	P	P	P	A
92	21W61A0578	Seerapu Navya	P	P	P	P	P	P	P	P	P	P	P
93	21W61A0579	Sigalapelli Hemanth	P	P	P	P	P	P	P	P	P	P	P
94	21W61A0580	Srikakulam Neelima	P	P	P	P	P	P	P	P	P	P	P
95	21W61A0581	Surabattula Sai Ganitha	P	P	P	P	P	P	P	P	P	P	P
96	21W61A0582	Talasu Sai Manikanta	P	P	P	P	P	A	P	P	P	P	P
97	21W61A0583	Tankala Hemanth Kumar	P	P	P	P	P	P	P	P	P	P	P
98	21W61A0584	Tankala Mallikharjuna Rao	A	P	P	P	P	P	P	P	P	P	P
99	21W61A0585	Thogarapu Syamala	P	P	P	P	P	P	P	P	P	P	P
100	21W61A0586	Tulagapu Pradeep Kumar	P	P	P	P	P	P	P	P	P	P	P
101	21W61A0587	Udandarao Siri Bhavana	P	P	P	P	P	P	P	P	P	P	P
102	21W61A0588	Undralla Narayana Murthy	P	P	P	P	P	P	P	P	P	A	P
103	21W61A0589	Vakada Durga Prasad	P	P	P	A	P	P	P	P	P	P	P
104	21W61A0591	Yagoti Dileep	P	P	P	P	P	P	A	P	P	P	P
105	21W61A0592	Yerra Kavya	P	P	P	P	P	P	P	P	P	P	P
Signature :			RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA

  
Program Co-ordinator



# SRI SIVANI COLLEGE OF ENGINEERING

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(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF HUMANITIES & BASIC SCIENCES

Academic year: 2021-22

Date: 28-02-2022

### PROGRAM REPORT

**Name of the program** : A Two Week Add-On Program on “MAT Lab and R-Programming” .

**Date** : 14-02-2022 to 25-02-2022

**Details of Resource Persons** : Dr. B. NeelaRao, M. Tech  
Associate professor,  
Dept. of Mathematics,  
RGUKT-IIIT  
[neelarao.b@gmail.com](mailto:neelarao.b@gmail.com)  
9441119945

**Details of Program coordinator** : Mrs. B. Padmavathi, M.sc,  
Associate Professor,  
Dept. of H&Bs,  
Sri Sivani College of Engineering  
[rakshithanaidu1997@gmail.com](mailto:rakshithanaidu1997@gmail.com)  
8919416980

#### **Objectives of the program:**

- To analyse teaching material and methods used for MATLAB in each of the four engineering disciplines.
- To structure a new blended learning course such that it could be used standalone or integrated into existing courses.
- To develop learning outcomes that would provide a basic introduction to MATLAB but include some discipline-specific examples to help maintain student engagement.
- To create a core of interactive material, such as video screencasts and self-test review questions, that would be linked together by a course document (PDF).



- To host all of the learning/teaching material online.
- To schedule delivery of the course around self-paced, self-study learning combined within face-to-face drop-in and example class sessions.



**Topics covered:**

1. Introduction
2. Introduction to matrix generation
3. Entering a vector, Entering a matrix
4. Colon operator
5. Creating a sub matrix
6. Transposing a matrix
7. Matrix arithmetic Operations
8. Deleting row or column
9. Dimension
10. Continuation
11. Matrix generators

**Outcomes of the program:**

On completion of the course, student should be able to:

1. Use MATLAB effectively to analyze and visualize data.

2. Apply numeric techniques and computer simulations to solve engineering-related problems.
3. Apply a top-down, modular, and systematic approach to design, write, test, and debug sequential MATLAB programs to achieve computational objectives.
4. Design and document computer programs and analyses in a careful and complete manner so as to effectively communicate results, to facilitate evaluation and debugging by another programmer, and to anticipate and resolve user errors.
5. Demonstrate understanding and use of fundamental data structures (classes).
6. Create and control simple plot and user-interface graphics objects in MATLAB

**Number of participants :105**

  
**Program Coordinator**





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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Certificate of Participation

This is certifying that Mr./Ms. Muddada Maneesha bearing  
Roll No. 21WGIA0107 of I<sup>st</sup> year I<sup>st</sup> semester has completed A Two week Add -On program on  
"MAT Lab and R-Programing" during the period **14-02-2022 to 25-02-2022** organized by Department of  
Humanities & Basic sciences.

  
**Co-ordinator**

  
**HOD**

  
**Principal**



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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Certificate of Participation

This is certifying that Mr./Ms. Rallapeta. kumaraswami bearing  
Roll No. 21W61A0109 of I<sup>st</sup> year I<sup>st</sup> semester has completed A Two week Add -On program on  
"MAT Lab and R-Programing" during the period **14-02-2022 to 25-02-2022** organized by Department of  
Humanities & Basic sciences.

  
Co-ordinator

  
HOD

  
Principal





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Certificate of Participation

This is certifying that Mr./Ms. Mukalla. Kovida bearing  
Roll No. 21W61A0550 of I<sup>st</sup> year I<sup>st</sup> semester has completed A Two week Add -On program on  
"MAT Lab and R-Programing" during the period **14-02-2022 to 25-02-2022** organized by Department of  
Humanities & Basic sciences.

  
Co-ordinator

  
HOD

  
Principal



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Certificate of Participation

This is certifying that Mr./Ms. Karanam Akhileswari bearing  
Roll No. 21WG1A0529 of 1<sup>st</sup> year 1<sup>st</sup> semester has completed A Two week Add -On program on  
"MAT Lab and R-Programing" during the period **14-02-2022 to 25-02-2022** organized by Department of  
Humanities & Basic sciences.

  
**Co-ordinator**

  
**HOD**

  
**Principal**





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 24-02-2022

## CIRCULAR

This is to inform that the Department of Electronics & Communication of Engineering is organizing A Two Week Add-on Program on “**Introduction to Embedded Machine Learning**” during **07-03-2022 to 19-03-2022** to the final year ECE students to enhance their skills applicable for job opportunities. In this regard, I suggest all the students to enroll for this course on or before 28<sup>th</sup> February 2022.

**Venue:** VLSI Lab, Block – 2, SSCE.

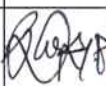










**Co-ordinator:** Mr. V. Jeevan Kumar Asst. Prof,

Department of Electronics & Communication Engineering

  
Principal

PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

Dept.	IQAC	Civil	EEE	Mech	ECE	CSE	H&BS	MBA	TPO	Office	Library
Signature											

CC To: The Management: for information.



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electronics and Communication Engineering

Academic year : 2021-2022

DATE: 24-02-2022

Name of the Program: A Two Week Add-On Program on "Introduction to Embedded machine learning"

### PROGRAM SCHEDULE

S.No.	Date	Topics To Be Covered
1	07-03-2022	Introduction to embedded system, Embedded system design basics
2	08-03-2022	Typical embedded system, Communication interface
3	09-03-2022	Components of the embedded system, characteristics of an embedded systems
4	10-03-2022	Classification of embedded systems and examples of an embedded system
5	11-03-2022	Embedded Hardware & software Co-design
6	12-03-2022	What is machine learning, and Artificial intelligence, Ethics of Machine learning
7	14-03-2022	Basics of machine learning
8	15-03-2022	Types of machine learning, Algorithms of embedded machine learning
9	16-03-2022	Why Embedded machine learning is used
10	17-03-2022	Example of embedded machine learning
11	19-03-2022	Machine learning on Embedded devices & Applications of Embedded machine learning

  
Program Co-ordinator

  
Head of the Department



## ABOUT THE INSTITUTION

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society, established in 2006 affiliated to JNTUK, Kakinada. UGC Recognition under 2(f) & 12(B). ISO 9001:2015 Certified. SSCE is situated in a spacious 12 acres campus adjacent to NH-16 at Chilakapalem, Srikakulam, Andhra Pradesh. SSCE offers B. Tech programs in Civil, C.S.E, E.E.E, E.C.E, Mechanical Engineering and PG programmes M.B.A, M.Tech and Diploma programmes for Civil, E.E.E and Mechanical Engineering. Fully connected through Fiber Optics and Wi-Fi Networks, Endowed with fully Qualified, well experienced and seasoned faculty members equipped with industrial experience and fully established laboratories with state-of-the-art technologies meets the growing needs of the students.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communications Engineering was established in the academic year 2006-07 with an annual intake of 60. Since its commencement, the primary objective of the department has been to impart quality education, training and research at the undergraduate levels in Electronics and Communication Engineering with broad emphasis on design aspects of electronic systems.

The intake was increased to 120 from the academic year 2008-09. Five batches of students have graduated so far. The Department is offering two M.Tech courses Digital Electronics & Communication Systems and VLSI (VLSI). The first PG program DECS (Digital Electronics and Communication Systems) was started in the year 2010. The rapid developments in the field of Electronics triggered the inception of another PG programme on VLSI in the year 2011.

The Department has sufficient spacious classrooms, well-equipped laboratories with an excellent infrastructure. The department has conducted many technical symposiums under the societies of IETE, ISTE and student association named MICROS (Minds of Innovative Communicative and Resplendent Organizing Society) and also has a close interaction with the alumni where their inputs are being used continuously for the improvement of curriculum.

## PATRONS

Sri. V.M.M. Sainadh Reddy, President,  
Sri. J. Suryachandra Rao, Vice President,  
Sri. K. Durga Srinivas, Secretary,  
Sri. D. Venkata Rao, Treasurer,  
Sri. P. Durga Prasad Raju, Joint Secretary,  
Dr. S. Srinivasa Rao, Correspondent



Dr. J. Bala Bhaskara Rao  
Principal, SSCE

## ORGANISING COMMITTEE Head of the Department

Mr. V. Suryanarayana  
Program Co-ordinator

Mr. V. Jeevan Kumar Assistant professor  
Mobile: 9059029876  
Email: m.jeevan.vajja@gmail.com

SRI SIVANI COLLEGE OF ENGINEERING  
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Srikakulam Dist. 532410

## SRI SIVANI COLLEGE OF ENGINEERING

A Two-Week Add-On Program  
on "Introduction to Embedded  
with machine learning"

07/3/2022 to 19/3/2022

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING





## Objective of the program

- The main goal of embedded system described as independent or stand alone works by itself and does not require a host system such as a computer, to carry out its function
- Machine learning enables electronic systems to learn autonomously from existing data and to use this acquired knowledge to independently make assesment,pridictions and decisions

### Resource Person

**Mr.PPradeep**

Assistant professor

Dept.of.C.S.E

pradeep.aumtech@gmail.com

9121214106

## PROGRAM CONTENT

- Introduction to embedded system, embedded system design basics
- Typical embedded system, and Communication interface
- Components of the embedded system, characteristics of an embedded system
- Classification of the embedded systems and examples of an embedded system.
- Embedded hardware &software co-design.
- What is machine learning, and Artificial intelligence, Ethics of machine learning.
- Basics of (ML )Machine learning
- Types of machine learning, Algorithms of Embedded machine learning

## REGISTRATION FORM

### A TWO -ADD-ON PROGRAM ON “INTRODUCTION TO EMBEDDED SYSTEM WITH MACHINE LEARNING”

Participant's Name:

Gender: Male/Female

Educational Qualifications:

Department:

Organization:

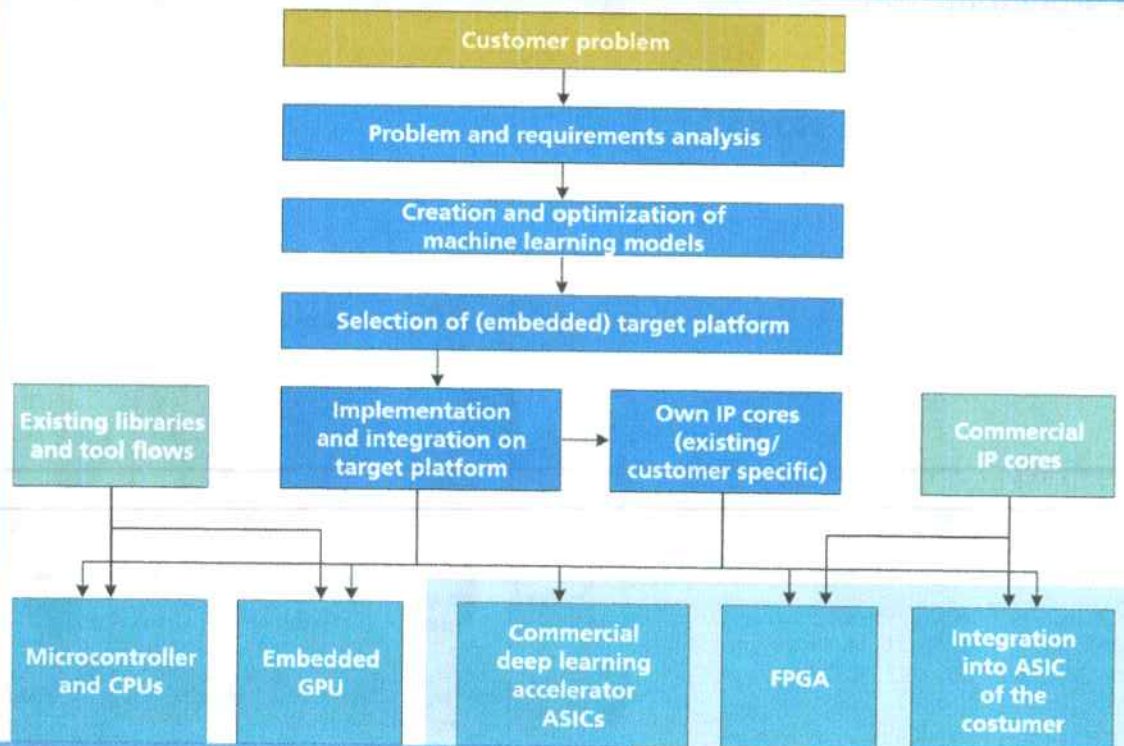
Address for Communication:

Phone No:

Email:

Date:

Signature of the Participant:







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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electronics and Communication Engineering

Academic Year: 2021-2022

Date: 07-03-2022


Name of the Program: A Two Week Add-On program on "Introduction to Embedded machine learning"

### List of Enrolled Students

S.No	Roll. No	Name of the Student	Year	Signature
1	18W61A0401	A. Vasudeva Rao	IV-II	A. Vasudeva Rao
2	18W61A0402	T. Satyavathi	IV-II	T. Satyavathi
3	18W61A0403	A. Deepika	IV-II	A. Deepika
4	18W61A0404	A. Pavan Reddy	IV-II	A. Pavan Reddy
5	18W61A0405	B. Priyanka	IV-II	B. Priyanka
6	18W61A0406	B. Chandana	IV-II	B. Chandana
7	18W61A0407	B. Devi Prasanna	IV-II	B. Devi Prasanna
8	18W61A0408	B. Sagar	IV-II	B. Sagar
9	18W61A0409	B. Srujana	IV-II	B. Srujana
10	18W61A0410	B. Aravind Sai	IV-II	B. Aravind Sai
11	18W61A0411	B. Someswari	IV-II	B. Someswari
12	18W61A0414	D. Venkata Sai	IV-II	D. Venkata Sai
13	18W61A0415	G. Sanjithvarma	IV-II	G. Sanjithvarma
14	18W61A0417	K. Tishya	IV-II	K. Tishya
15	18W61A0418	K. Raja Sekhar	IV-II	K. Raja Sekhar
16	18W61A0419	K. Manisha	IV-II	K. Manisha
17	18W61A0420	K. Sai Kumar	IV-II	K. Sai Kumar
18	18W61A0421	K. Sarath Kumar	IV-II	K. Sarath Kumar
19	18W61A0422	K. Santhoshkumar	IV-II	K. Santhoshkumar
20	18W61A0423	M. Kameswari	IV-II	M. Kameswari
21	18W61A0424	M. Devendra Kumar	IV-II	M. Devendra Kumar
22	18W61A0425	P. Madhuri	IV-II	P. Madhuri
23	18W61A0426	P. Bhanu Prakash	IV-II	P. Bhanu Prakash
24	18W61A0427	P. Sowmya	IV-II	P. Sowmya
25	18W61A0428	P. Ravi Teja	IV-II	P. Ravi Teja
26	18W61A0429	R. Sai Ganesh	IV-II	R. Sai Ganesh
27	18W61A0430	S. YasaSwini	IV-II	S. YasaSwini

28	18W61A0431	S. Kishor Kumar	IV-II	S. Kishor Kumar
29	18W61A0432	S. Ajith	IV-II	S. Ajith
30	18W61A0433	T. Yamuna	IV-II	T. Yamuna
31	18W61A0434	V. Pavan Kumar	IV-II	V. Pavan Kumar
32	18W61A0435	V. Lavanya	IV-II	V. Lavanya
33	18W61A0436	V. Lavanya Rani	IV-II	V. Lavanya Rani
34	18W61A0437	V. Prameela	IV-II	V. Prameela
35	18W61A0438	V. Gnaneswara Raju	IV-II	V. G. Raju
36	18W61A0439	Y. Sai Roshini	IV-II	Y. Sai Roshini
37	18W61A0440	Y. Nagamani	IV-II	Y. naga mani
38	18W61A0441	Y. Rakesh	IV-II	Y. Rakesh
39	17W61A0406	B. Venkatesh	IV-II	B. Venkatesh
40	19W65A0401	A. Anil	IV-II	A. Anil
41	19W65A0402	A. Padmini	IV-II	A. Padmini
42	19W65A0403	A. Satish	IV-II	A. Satish
43	19W65A0404	B. Niharika	IV-II	B. Niharika
44	19W65A0405	B. Sirisha	IV-II	B. Sirisha
45	19W65A0407	M. Ankitha	IV-II	M. Ankitha
46	19W65A0408	P. Naresh	IV-II	P. Naresh
47	19W65A0409	Rahul S N V S S Kandula	IV-II	Rahul SNVSS Kandula
48	19W65A0410	S. Radhakrishna	IV-II	S. Radhakrishna
49	19W65A0411	T. Harshitha	IV-II	T. Harshitha

  
Program co-ordinator

  
Head of the Department





25	18W61A0428	P. Ravi Teja	A	P	P	P	P	P	P	P	P	P	P
26	18W61A0429	R. Sai Ganesh	A	P	P	P	P	P	P	P	P	A	P
27	18W61A0430	S. Ysaswini	P	A	P	P	P	P	P	P	P	P	P
28	18W61A0431	S. Kishor Kumar	P	P	P	P	P	A	P	P	P	P	P
29	18W61A0432	S. Ajith	P	P	P	P	P	P	P	P	P	P	P
30	18W61A0433	T. Yamuna	P	P	P	P	P	P	P	P	P	P	P
31	18W61A0434	V. Pavan Kumar	P	P	P	P	P	P	P	P	P	P	A
32	18W61A0435	V. Lavanya	A	P	P	P	P	P	P	P	P	P	P
33	18W61A0436	V. Lavanya Rani	P	P	P	P	P	P	P	P	P	P	P
34	18W61A0437	V. Prameela	P	P	P	P	P	P	P	P	P	P	P
35	18W61A0438	V. Gnaneswara Raju	P	P	P	P	P	P	P	P	P	P	P
36	18W61A0439	Y. Sai Roshini	P	P	P	P	P	P	P	P	P	P	P
37	18W61A0440	Y. Nagamani	P	P	P	P	P	P	P	P	P	P	P
38	18W61A0441	Y. Rakesh	P	P	P	P	P	A	P	P	P	P	P
39	17W61A0406	B.Venkatesh	P	A	P	P	P	P	P	P	P	P	P
40	19W65A0401	A. Anil	P	P	A	P	P	P	P	P	P	P	P
41	19W65A0402	A. Padmini	P	P	P	P	P	A	P	P	P	P	P
42	19W65A0403	A. Satish	P	P	P	P	P	P	P	A	P	P	A
43	19W65A0404	B. Niharika	P	P	P	P	P	P	P	A	A	P	P
44	19W65A0405	B. Sirisha	P	P	P	P	P	P	P	A	P	P	P
45	19W65A0407	M. Ankitha	P	P	P	P	P	P	P	P	P	P	P
46	19W65A0408	P. Naresh	P	P	P	P	P	P	P	P	P	P	A
47	19W65A0409	Rahul S N V S S K	P	P	P	P	P	P	P	P	P	P	P
48	19W65A0410	S. Radhakrishna	P	P	P	P	P	P	P	P	P	P	P
49	19W65A0411	T. Harshitha	P	P	P	P	P	P	P	P	P	P	P
Signature:			B	S	L	S	P	S	S	A	L	N	R

  
**Program co-ordinator**





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Electronics and Communication Engineering

Academic Year: 2021-2022

Date: 22-03-2022

### PROGRAM REPORT

**Name of the program:** A Two week Add-on program on “Introduction of Embedded system with machine learning”

**Program duration** : 07-03-2022 to 19-03-2022

**Details of the resource person:** **Mr .P.PradeepM.Tech**

Asst professor

Dept. of C.S.E.

[Pradeep.aumtech@gmail.com](mailto:Pradeep.aumtech@gmail.com)

9121214106

**Details of the Program Coordinator:** **Mr .V.Jeevan kumar M.Tech**

Assistant Professor

Dept. of E.C.E.

[Jeevan.vajja@gmail.com](mailto:Jeevan.vajja@gmail.com)

9059029876

### **Objectives of the program:**

- The main goal of embedded system described as independent or stand alone works by itself and does not require a host system such as a computer, to carry out its function
- Machine learning enables electronic systems to learn autonomously from existing data and to use this acquired knowledge to independently make assesment,pridictions and decisions

### **Topics covered:**

- Introduction to embedded system, embedded system design basics
- Typical embedded system, and Communication interface


- Components of the embedded system, characteristics of an embedded system
- Classification of the embedded systems and examples of an embedded system.
- Embedded hardware & software co – design.
- What is machine learning, and Artificial intelligence, Ethics of machine learning.
- Basics of (ML )Machine learning
- Types of machine learning, Algorithms of Embedded machine learning
- Why embedded machine learning is used
- Examples of embedded machine learning
- Machine learning on Embedded devices
- Applications of embedded machine learning



#### **Outcomes of the program:**

- Understand a wide variety of learning algorithms.
- Understand how to evaluate models generated from data
- Apply the algorithms to a real problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.

**Number of Participants: 49**

  
**Program Co-ordinator**






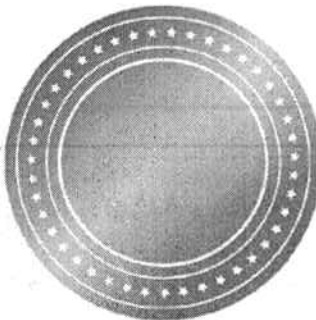
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NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. B. Priyanka bearing Roll No 18WG1A0405 of IV Year IV Semester has completed A Two Week Add-On Program on “Introduction to Embedded Machine Learning” during the period 07/03/2022 to 19/03/2022 organized by Department of Electronics & Communication Engineering.

  
CO-ORDINATOR

  
HOD 

  
PRINCIPAL



# SRI SIVANI COLLEGE OF ENGINEERING

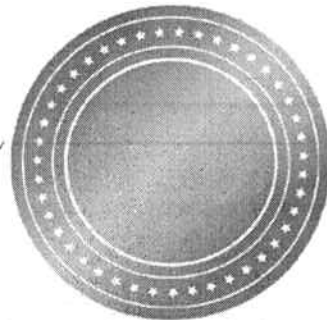
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NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. S. Ajith bearing Roll No 18W61A0432 of  
IV Year II Semester has completed A Two Week Add-On Program on “Introduction to Embedded Machine  
Learning” during the period 07/03/2022 to 19/03/2022 organized by Department of Electronics & Communication  
Engineering.

  
CO-ORDINATOR

  
HOD



  
PRINCIPAL





# SRI SIVANI COLLEGE OF ENGINEERING

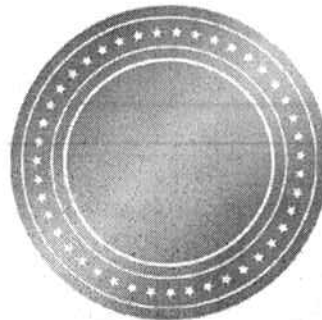
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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. A. Anil bearing Roll No 19W65A0901 of IV Year II Semester has completed A Two Week Add-On Program on "Introduction to Embedded Machine Learning" during the period 07/03/2022 to 19/03/2022 organized by Department of Electronics & Communication Engineering.

  
CO-ORDINATOR

  
HOD



  
PRINCIPAL



# SRI SIVANI COLLEGE OF ENGINEERING

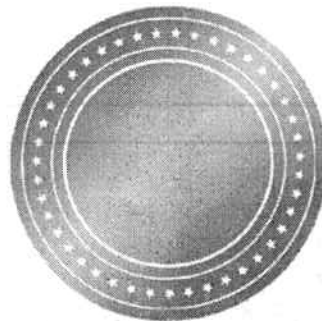
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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist-532410

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. S. Padhakrishna bearing Roll No 19W 65A0410 of IV Year II Semester has completed A Two Week Add-On Program on "Introduction to Embedded Machine Learning" during the period 07/03/2022 to 19/03/2022 organized by Department of Electronics & Communication Engineering.

  
CO-ORDINATOR

  
HOD



  
PRINCIPAL





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 11-03-2022

## CIRCULAR

This is to inform that the Department of Computer Science Engineering is organizing **A Two Week Add-On Program on "Deep Learning"** during **21-03-2022 to 01-04-2022** to the 1<sup>st</sup> and 2<sup>nd</sup> year CSE,ECE and EEE M.Tech students to enhance their skills applicable for job opportunities. Deep Learning uses artificial neural networks to analyze data and make predictions. It has found its application in almost every sector of business. In this article, we'll learn the top Deep Learning Applications. In this regard, I suggest all the students to enroll for this course on or before 16<sup>th</sup> March 2022.












**Venue** : VLSI Lab, Block – 2, SSCE.

**Co-ordinator:** Mr. P. Pradeep, Asst. Prof,

Department of Computer Science Engineering

  
Principal  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Computer Science Engineering

Academic Year: 2021-22

Date: 11-03-2022

Name of the Program: A Two Week Add-On Program on Deep Learning

### PROGRAM SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	21-03-2022	Basic setup and some math notions
2	22-03-2022	Basics of optimization
3	23-03-2022	Back propagation and its variants
4	24-03-2022	Basics of generalization theory
5	25-03-2023	Advanced of optimization notions
6	26-03-2022	Algorithmic regularization
7	27-03-2022	Tractable landscapes for non convex optimization
8	28-03-2022	Ultra wide neural networks and neural tangent kernel
9	29-03-2022	Inductive biases due to algorithmic regularization
10	30-03-2022	Un super wised learning
11	31-03-2022	Representation learning
12	01-04-2022	Applications of deep learning

  
Program Co-Ordinator

  
Head of the Department



## ABOUT THE INSTITUTION

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society, established in 2006 affiliated to JNTUK, Kakinada, UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified. SSCE is situated in a spacious 12 acres campus adjacent to NH-16 at Chilakapalem, Srikakulam, Andhra Pradesh. SSCE offers B. Tech programs in Civil, C.S.E, E.E.E, E.C.E, Mechanical Engineering and PG programmes M.B.A, M.Tech and Diploma programmes for Civil, E.E.E and Mechanical Engineering. Fully connected through Fiber Optics and Wi-Fi Networks, Endowed with fully Qualified, well experienced and seasoned faculty members equipped with industrial experience and fully established laboratories with state-of-the-art technologies meets the growing needs of the students.

## ABOUT THE DEPARTMENT

The Department of Computer Science Engineering of Sri Sivani College of Engineering was established in the year 2006 and playing a vital role in designing, developing maintaining software and hardware for the entire college. It has been offering full time B. Tech (CSE), M. Tech (CSE) courses. The Department has been advancing at a rapid pace with the acquisition of advanced facilities and dedicated teaching faculty to properly motivate and mould the students for a better and prospective tomorrow. The Department is adequately equipped with several full fledged computer laboratories and research groups in order to enhance R & D and consultancy. CSE Department Laboratories are well equipped with Dual Core clients running on Windows and Fedora Operating Servers, Oracle Servers and Xeon servers with all licensed software's. The systems are connected through 100/1000 Mbps CAT 5 UTP cabling and fiber connectivity, high-end routers and switches of 40Mbps internet facility with LAN and Wi-Fi. The laboratories are established with an objective to promote practical knowledge in latest cutting-edge technologies, research and consultancy work.

## PATRONS

Sri. V.M.M. Sainadh Reddy, President,  
Sri. J. Suryachandra Rao, Vice President,  
Sri. K. Durga Srinivas, Secretary,  
Sri. D. Venkata Rao, Treasurer,  
Sri. P. Durga Prasad Raju, Joint Secretary,  
Dr. S.Srinivasa Rao, Correspondent,



## CHAIRMAN

**Dr. J Bala Bhaskar Rao**  
Principal, SSCE

## ORGANISING COMMITTEE

**Mr. M.Murali Krishna**  
Head of the Department  
**Program Co-ordinator**  
**Mr. P.Pradeep, Assistant professor**  
Mobile: 9059029876  
Email:pradeep123@gmail.com

## SRI SIVANI COLLEGE OF ENGINEERING

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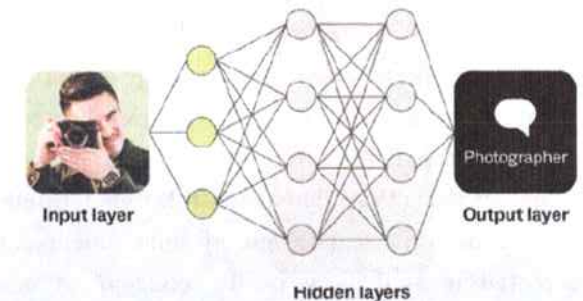
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## SRI SIVANI COLLEGE OF ENGINEERING

### A Two-Week Add-On Program on "Deep Learning"

#### The deep learning process

The algorithm receives data, runs it through the input and hidden layers, and generates an output.



21-03-2022 to 01 -04-2022

ORGANIZED BY  
DEPARTMENT OF  
COMPUTER SCIENCE ENGINEERING





## OBJECTIVES OF THE PROGRAM

Deep learning, a subpart of machine learning that focuses on algorithms that tend to obtain their inspiration from the functions and structure of the brain system, has made it possible for objects to be detected in real time. Among the objectives of deep learning include; making the algorithms used for learning easier and better to use, make advances that are revolutionary as far as artificial intelligence and machine learning are concerned and essentially achieve artificial intelligence. Deep learning is often referred as to the artificial neural networks especially when it comes to the issue of object detection. This research paper intends to explore on the concept of how objects are detected in real time in the concept of deep learning.

### Resource Person

Mr.V.Suryanarayana,M.Tech  
Surya.velamala@gmail.com,  
6300790910,SSCE

## PROGRAM CONTENT

- Basic setup and some math Basics of optimization
- Back propagation and its variants
- Basics of generalization theory
- Advanced of optimization notions
- Algorithmic regularization
- Tractable landscapes for non convex optimization
- Ultra wide neural networks and neural tangent kernel
- Inductive biases due to algorithmic regularization
- Un supervised learning
- Representation learning
- Applications of deep learning notions

## REGISTRATION FORM

### A TWO-WEEK ADD-ON PROGRAM ON "DEEP LEARNING"

Participant's Name:

Gender: Male/Female

Educational Qualifications:

Department:

Organization:

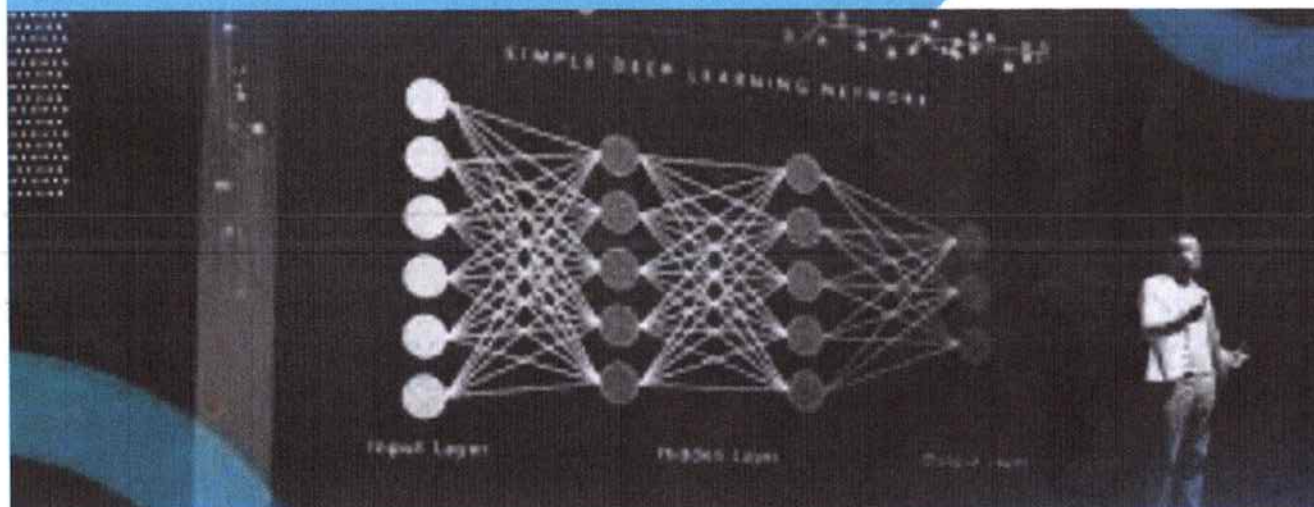
Address for Communication:

Phone No:

Email:

Date:

Signature of the Participant:







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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department Of Computer Science Engineering

Academic Year : 2021-22

DATE: 21-03-2022

Name of the Program: A Two Week Add-On Program on Deep Learning

### List of Enrolled Students

S.NO	ROOL NO	NAME OF THE STUDENT	YEAR-SEM	SIGNATURE
1	20W61D5702	V Ravikiran	I-I	V. Ravikiran
2	20W61D5801	Anil Kumar Burri	I-I	B. Anil Kumar
3	20W61D5802	Arangi Sahithi	I-I	A. Sahithi
4	20W61D5803	B Srikanth	I-I	B. Srikanth
5	20W61D5804	Gorle Priskilla	I-I	G. Priskilla
6	20W61D5805	K Prasad Marada	I-I	K. Prasad Marada
7	20W61D5806	N Vinodh Kumar	I-I	N. Vinodh Kumar
8	20W61D5807	Suravajhala Usha Rani	I-I	S. Usha Rani
9	20W61D5808	Ulasi Sreekanth	I-I	U. Sreekanth
10	21W61D4301	G Srinivasa Reddy	II-I	G. Srinivasa Reddy
11	21W61D4302	Meraka Dinesh	II-I	M. Dinesh
12	21W61D4303	Meraka Mounika	II-I	M. Mounika
13	21W61D5701	S Santhoshkumar	II-I	S. Santhosh
14	21W61D5702	Menda Jyothsna Devi	II-I	M. Jyothsna Devi
15	21W61D5703	T Sekhar Gorripotu	II-I	T. Sekhar Gorripotu
16	21W61D5802	Naga Srinivas Nakka	II-I	N. Srinivas
17	21W61D5803	T Lakshmi Prasanna	II-I	T. Lakshmi Prasanna
18	21W61D5805	Mediseti Sri Sarika	II-I	M. Sri Sarika

Program Co-ordinator

M. Anand  
Head of the Department



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department Of Computer Science Engineering

Academic Year : 2021-22

Name of the Program: A Two Week Add-On Program on Deep Learning

### DAY WISE ATTENDANCE SHEET

S.NO	ROOL NO	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12
1	20W61D5702	V Ravikiran	21/3/22	22/3/22	23/3/22	24/3/22	25/3/22	26/3/22	27/3/22	28/3/22	29/3/22	30/3/22	31/3/22	1/4/22
2	20W61D5801	Anil Kumar Burri	P	P	P	P	P	P	P	P	P	P	P	P
3	20W61D5802	Arangi Sahithi	P	P	P	P	P	P	P	P	P	P	P	P
4	20W61D5803	B Srikanth	P	P	P	P	P	P	P	P	P	P	P	P
5	20W61D5804	Gorle Priskilla	P	P	P	P	P	P	P	P	P	P	P	P
6	20W61D5805	K Prasad Marada	P	P	P	P	P	P	P	P	P	P	P	P
7	20W61D5806	N Vinodh Kumar	P	P	P	P	P	P	P	P	P	P	P	P
8	20W61D5807	S Usha Rani	P	P	P	P	P	P	P	P	P	P	P	P
9	20W61D5808	Ulasi Sreekanth	P	P	P	P	P	P	P	P	P	P	P	P
10	21W61D4301	G Srinivasa Reddy	P	P	P	P	P	P	P	P	P	P	P	P
11	21W61D4302	Meraka Dinesh	P	P	P	P	P	P	P	P	P	P	P	P
12	21W61D4303	Meraka Mounika	P	P	P	P	P	P	P	P	P	P	P	P
13	21W61D5701	S Santhoshkumar	P	P	P	P	P	P	P	P	P	P	P	P
14	21W61D5702	Menda Jyothsna Devi	P	P	P	P	P	P	P	P	P	P	P	P
15	21W61D5703	T Sekhar Gorripotu	P	P	P	P	P	P	P	P	P	P	P	P
16	21W61D5802	Naga Srinivas Nakka	P	P	P	P	P	P	P	P	P	P	P	P
17	21W61D5803	T Lakshmi Prasanna	P	P	P	P	P	P	P	P	P	P	P	P
18	21W61D5805	Mediseti Sri Sarika	P	P	P	P	P	P	P	P	P	P	P	P
Signature			G	G	G	G	G	G	G	G	G	G	G	G

Program Co-ordinator





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Computer Science Engineering

Academic year: 2021-22

DATE: 03-04-2022

### PROGRAM REPORT

Name of the Program : A Two Week Add-On Program on **Deep Learning**

Program duration : **21-03-2022 TO 01-04-2022**

Name of the Resource Person & Details: Dr.V.Suryanarayana

Associate Professor,

Dept. of E.C.E, surayavelamala@gmail.com

6300790910

Details of the Program Coordinator : Mr. P.Pradeep, M.Tech

Assistant Professor,

Dept. of C.S.E, Pradeep123@gmail.com

9346259619

### Objectives of the program:

- Artificial neural networks are flexible and powerful machine learning models.
- Modern deep learning has had tremendous success in applying complex neural networks to problems from a wide range of disciplines.
- This course gives an understanding of the theoretical basis underlying neural networks and deep learning.
- Furthermore, the course includes implementation of neural components and as well as applying deep learning on real-world data sets using modern deep learning packages.



**Topics covered:**

- Basic setup and some math notions
- Basics of optimization
- Back propagation and its variants
- Basics of generalization theory
- Advanced of optimization notions
- Algorithmic regularization
- Tractable landscapes for non convex optimization
- Ultra wide neural networks and neural tangent kernel

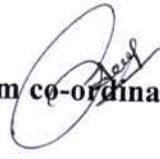


- Inductive biases due to algorithmic regularization
- UN super wised learning
- Representation learning
- Applications of deep learning

**Outcomes of the program:**

- Explain the basic principles behind neural networks and deep learning
- Compare modeling aspects of various neural network architectures
- Implement simple neural network algorithms
- Apply and evaluate deep learning on real data sets
- Provide successful examples how deep learning can be used in different contexts in society
- Read and critically assess papers on artificial neural networks and their applications

**Number of Participants: 18**

  
**Program co-ordinator**



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NH-16, Chilakapalem Jn., Srikakulam Dist-532410, Andhra Pradesh, India.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. V. Ravi Kiran  
bearing roll no 20W61D5702 of I Year I Semester has completed A Two  
Week Add-On Program on “Deep Learning” during the period **21-03-2022 to 01-04-2022**  
organized by Department of Computer Science Engineering.

  
Co-ordinator

  
HOD

  
Principal





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist-532410, Andhra Pradesh, India.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. B. Srikanth

bearing roll no 20W61D5983 of I Year I Semester has completed A Two  
Week Add-On Program on “**Deep Learning**” during the period **21-03-2022 to 01-04-2022**  
organized by Department of Computer Science Engineering.

  
Co-ordinator

  
HOD

  
Principal



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NH-16, Chilakapalem Jn., Srikakulam Dist-532410, Andhra Pradesh, India.

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. G. Srinivasa Reddy  
bearing roll no 21W61D4301 of II Year I Semester has completed A Two  
Week Add-On Program on “**Deep Learning**” during the period **21-03-2022 to 01-04-2022**  
organized by Department of Computer Science Engineering.

  
Co-ordinator

  
HOD

  
Principal





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 04-05-2022

## CIRCULAR

This is to inform that the Department of Civil Engineering is organizing **A One-Week Certificate Program on "Revit Architecture"** during **09-05-2022 to 15-05-2022** to the 3<sup>rd</sup> and 4<sup>th</sup> year students. Revit is a BIM tool developed by Autodesk used for special Design, Modeling, Visualization, and Documentation. Building Information Modeling is a process to plan, design, construct and manage a project based on the intelligent prototype developed to advanced constructions and coordination through the modeling during the project life cycle. Students attending the Workshop with good interest in learning the Modeling by using Revit Software will attain improved design quality for better results. In this regard, all the 3<sup>rd</sup> and 4<sup>th</sup> year students should register their names to the Co-ordinator Mr. G Sudharam on or before 06-05-2022. Certificate will be provided to all participants after the successful completion of the course.

**Venue:** Central Computing Lab, Block – 1, SSCE.

**Co-ordinator:** Mr. G Sudharam, Asst. Prof,  
Department of Civil Engineering

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**Principal**  
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SRI SIVANI COLLEGE OF ENGINEERING  
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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic Year: 2021-22

Date: 04-05-2022

Name of the program: A One-Week Certificate Program on "Revit Architecture"

### PROGRAM SCHEDULE

S NO	Date	Topic To Be Covered
1	09-05-22	1. Introduction to Building Information Modeling 2. Revit Architecture 3. Introduction - GUI
2	10-05-22	4. Setting of Units & Working with Elevation Views 5. Placing Walls, Doors & windows 6. Placing of Family Files (Components) 7. Modify Tools
3	11-05-22	8. Managing Views by Project Browser 9. Properties Palette 10. Type Selector 11. Type Parameters 12. Instance Parameters
4	12-05-22	13. Creating New Materials 14. Roof and Floor 15. Different Types of Openings 16. Staircase
5	13-05-22	17. Ramp 18. Railing 19. Annotations 20. Creating Section Views
6	14-05-22	21. 3-D Views - Camera Views -Rendering 22. Walkthroughs 23. Model Text 24. Paint 25. Massing & Site
7	15-05-22	26. Schedules 27. Page Layout 28. Documentation 29. Project Submission

Program Co-ordinator

Head of the Department



## ABOUT THE INSTITUTION

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## ABOUT THE DEPARTMENT

The Department of Civil Engineering in Sri Sivani College of Engineering was established in the year 2009 plays a vital role in the entire college. It has been offering full time B. Tech (Civil). The Department has been advancing at a rapid pace with acquisition of advanced facilities, R&D, and dedicated teaching faculty to properly motivate and mould the students for a better and prospective tomorrow. The strength of the department lies in the existing physical laboratories such as Surveying, Geotechnical Engg, Hydraulics, Strength of Materials, Concrete Technology, Environmental Engg, Transportation Engg, Engineering Geology and CAD/STAAD PRO.



## PATRONS:

Sri V.M.M. SAINADH REDDY, President,  
Sri J. SURYACHANDRA RAD, Vice President,  
Sri K. DURGA SRINIVAS, Secretary,  
Sri D. VENKATA RAD, Treasurer,  
Sri P. DURGAPRASAD RAJU, Joint Secretary,  
Sri S. SRINIVASA RAD, Correspondent.

## CHAIRMAN:

Dr. J. BALABHASKARA  
Principal, Sri Sivani College of Engineering

## CONVENDOR

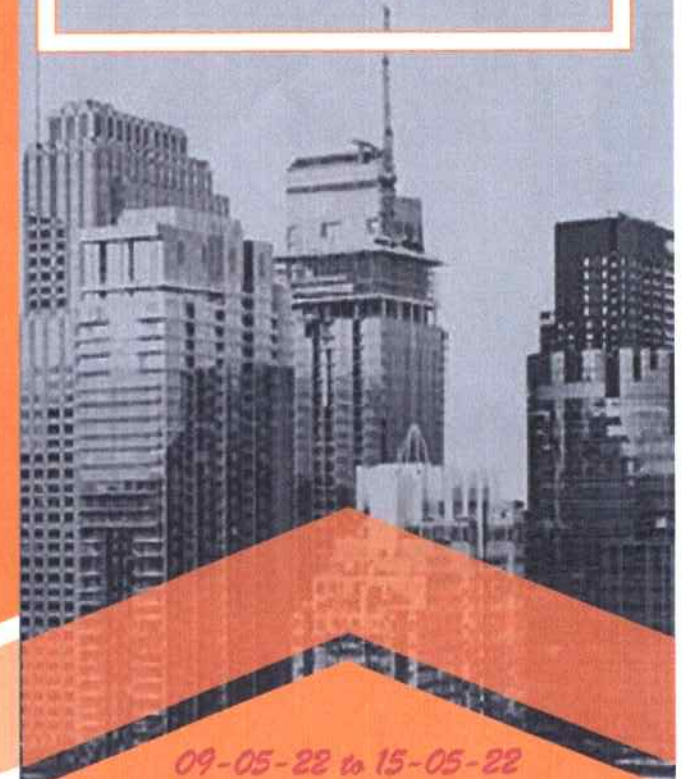
Mr. S V N SUNIL KUMAR, HOD,  
DEPARTMENT OF CIVIL ENGINEERING

## CO-ORDINATOR:

Mr. G SUDHARAM KRISHNA ASST. PROFESSOR  
[sudharamsircivil@gmail.com](mailto:sudharamsircivil@gmail.com) 7057435631



*A One-Week Certificate program  
on  
"Revit Architecture"*



*09-05-22 to 15-05-22*

*Organized by*

*The Department of Civil Engineering  
Sri Sivani College of Engineering*

(Approved by AICTE, New Delhi and  
Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B),  
ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn.,  
Srikakulam Dist.532410



## ABOUT THE PROGRAM

Revit is a BIM tool developed by AutoDesk used for special design, Modeling, visualization, and documentation. BIM (Building Information Modeling) is a process to plan, design, construct and manage a project based on the intelligent prototype developed to advanced Constructions and coordination through the modeling during the project life cycle.

### PROGRAM OUTCOMES:

- Describe building information modeling methodology and its benefits.
- Use different parts of the Revit Architecture user interface and work with different types of architectural elements and families.
- Use the different views listed in the Project Browser, control the visibility and graphical

## RESOURCE PERSON

Miss. Priyanka Panidam  
Trainer cum Designer  
KPA Design & Construction  
Mobile-9989371374



## PROGRAM SCHEDULE

- Introduction to Building Information Modeling
- Revit Architecture
  - Introduction, GUI
  - Setting of Units & Working with Elevation Views
- Placing Walls, Doors & windows
- Placing of Family Files (Components)
- Modify Tools
- Managing Views by Project Browser
- Properties Palette
  - Type Selector
  - Type Parameters
  - Instance Parameters
- Creating New Materials
- Roof, Floor, Different Types of Openings
- Staircase, Ramp, Railing
- Annotations
- Creating Section Views & 3-D Views
- Camera Views, Rendering, Walkthroughs
- Model Text, Paint
- Massing & Site, Schedules
- Page Layout & Documentation
- Project Submission

## REGISTRATION FORM

Participant's Name:

Gender: Male/Female

Educational Qualifications:

Department:

Organization:

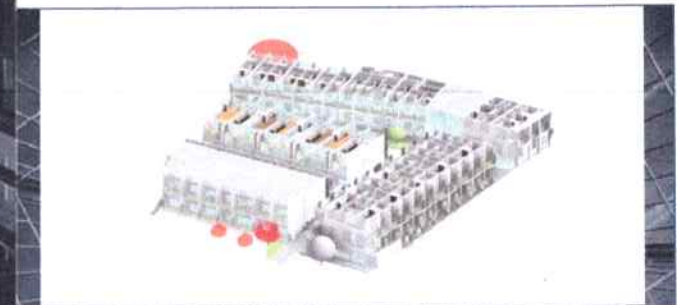
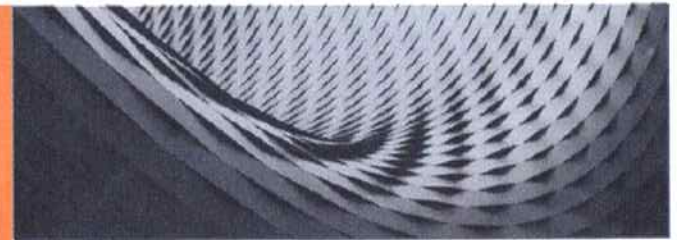
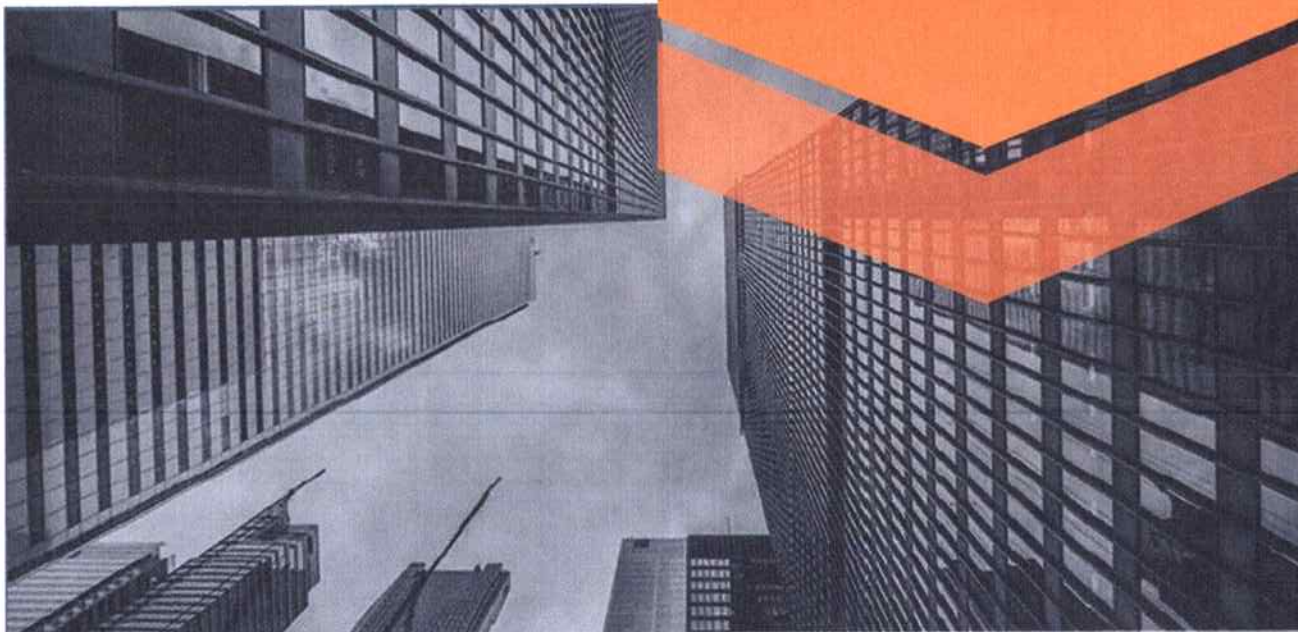
Address for Communication:

Phone No:

Email:

Date:

Signature of the Participant:







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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Date: 09-05-2022

Name of the Program: A One-Week Certificate Program on "Revit Architecture"

### List of Enrolled Students

S.No	Roll No	Name of the student	Year-Sem	Signature
1	18W61A0101	Abothula Siva Sai Kumar	IV-II	A. Siva Sai
2	18W61A0102	Abotula Maneendra	IV-II	A. Maneendra
3	18W61A0103	Balaga Srikanth	IV-II	B. Srikanth
4	18W61A0104	Balaga Sriram Kumar	IV-II	B. Sriram Kumar
5	18W61A0105	Battala Upendra	IV-II	B. Upendra
6	18W61A0106	Bendi Sowjanya	IV-II	B. Sowjanya
7	18W61A0107	Burle Chandu	IV-II	B. Chandu
8	18W61A0108	Dumpala Chiranjeevi	IV-II	D. Chiranjeevi
9	18W61A0109	Girijala Vamsi	IV-II	G. Vamsi
10	18W61A0111	Jarugulla Renuka	IV-II	J. Renuka
11	18W61A0112	Kayala Tejeswari	IV-II	K. Tejeswari
12	18W61A0113	Konada Usharani	IV-II	K. Usharani
13	18W61A0114	K Umamaheswara Rao	IV-II	K. Uma
14	18W61A0115	Korlapu Uday Kumar	IV-II	K. Uday
15	18W61A0116	Kuna Bhanuprasad	IV-II	K. Bhanuprasad
16	18W61A0117	Moyya Chandramouli	IV-II	M. Chandramouli
17	18W61A0118	N Ravi Kishore	IV-II	N. Ravi
18	18W61A0119	Prasad Kandapu	IV-II	K. Prasad
19	18W61A0120	Reddi Sudheer	IV-II	R. Sudheer
20	18W61A0121	Yejjala Dileep	IV-II	Y. Dileep
21	18W61A0122	Yenni Haribabu	IV-II	Y. Hari Babu
22	18W61A0123	Yerraguntla Sampath	IV-II	Y. Sampath
23	19W65A0101	A Shiva Kumar Yelisi	IV-II	Y. Anantha siva
24	19W65A0104	Buddala Prudvi	IV-II	B. Prudvi
25	19W65A0105	Chakka Sai Kumar	IV-II	Ch. Saikumar
26	19W65A0106	Challa Avinash	IV-II	Ch. Avinash
27	19W65A0108	Dunna Umapathi	IV-II	D. Umapathi
28	19W65A0109	Inapa Naveen	IV-II	I. Naveen
29	19W65A0110	Jana Dinesh	IV-II	J. Dinesh
30	19W65A0111	Karanam Ramu	IV-II	K. Ramu
31	19W65A0112	Kaya Atchutha Rao	IV-II	K. Atchutha Rao
32	19W65A0113	Korlam Lakshmi Narayana	IV-II	K. Lakshmi Narayana

33	19W65A0117	Nulu Devi Shankar	IV-II	N. Devi Shankar
34	19W65A0118	Paidi Rammohana Rao	IV-II	P. Rammohana Rao
35	19W65A0119	Palla Dinesh Kukmar	IV-II	P. Dinesh Kumar
36	19W65A0123	Suri Hemanth Kumar	IV-II	S. Hemanth Kumar
37	19W65A0124	Teemara Lavanyakumari	IV-II	T. Lavanya
38	19W65A0125	Togu Naveen	IV-II	T. Naveen
39	19W65A0126	V Vamsi Krishna	IV-II	V. Vamsi Krishna
40	19W65A0127	Vana Bhaskara Rao	IV-II	V. Bhaskara Rao
41	19W61A0101	Bendi Sarath Chandra	III-II	B. Sarath Chandra
42	19W61A0102	Biddika Krishna Babu	III-II	B. Krishna Babu
43	19W61A0104	Chikkala Lakshmi Prasad	III-II	Ch. Lakshmi
44	19W61A0105	Dontamsetti Venkata Sai Kiran	III-II	D. Venkata Sai
45	19W61A0106	Gudivada Eswararao	III-II	G. Eswar Rao
46	19W61A0107	Jarugulla Jai Kishore	III-II	J. Jai Kishore
47	19W61A0108	Kallepalli Koteswara Rao	III-II	K. Koteswara Rao
48	19W61A0109	Kanchari Sai Kiran	III-II	K. Sai Kiran
49	19W61A0110	Kevati Madhu	III-II	K. Madhu
50	19W61A0111	Kottha Bhavani Prasad	III-II	K. Bhavani Prasad
51	19W61A0112	Lakhineni Sunil Kumar	III-II	L. Sunil
52	19W61A0113	Murapaka Murali Karthik	III-II	M. M. Karthik
53	19W61A0114	Nadiminti Kaladhar	III-II	N. Kaladhar
54	19W61A0116	Paila Ashok Kumar	III-II	P. Ashok Kumar
55	19W61A0117	Savara Durga Rao	III-II	S. Durga Rao
56	19W61A0119	Savara Khagesh	III-II	S. Khagesh
57	19W61A0121	Taddi Jagadeesh	III-II	T. Jagadeesh
58	19W61A0122	Tangi Pavankumar	III-II	T. Pavankumar
59	19W61A0123	Unkili Eswar Prasad	III-II	U. Eswar Prasad
60	20W65A0101	Anduluri Shanmukha Srinivas	III-II	A. S. Srinivas
61	20W65A0102	B Visweswara Reddy	III-II	B. V. Reddy
62	20W65A0103	Bhogapurapu Sai Sudhakar Sarma	III-II	B. S. S. Sarma
63	20W65A0104	Damodara Hema Sai	III-II	D. Hema Sai
64	20W65A0106	Kurmapu Karthika	III-II	K. Karthika
65	20W65A0107	Kurmapu Karunya	III-II	K. Karunya
66	20W65A0109	Vattam Suresh	III-II	V. Suresh

  
Program Co-ordinator

  
Head of the Department





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 NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Name of the program: A One-Week Certificate Program on "Revit Architecture"

### Day Wise Attendance Sheet

S. No	Roll NO	Name of the student	01	02	03	04	05	06	07
			09-05	10-05	11-05	12-05	13-05	14-05	15-05
1	18W61A0101	Abothula Siva Sai Kumar	P	P	P	P	AB	P	P
2	18W61A0102	Abotula Maneendra	P	P	P	P	P	P	P
3	18W61A0103	Balaga Srikanth	P	P	P	P	P	P	P
4	18W61A0104	Balaga Sriram Kumar	P	P	P	P	P	P	P
5	18W61A0105	Battala Upendra	P	P	P	P	P	P	P
6	18W61A0106	Bendi Sowjanya	P	P	P	P	P	P	P
7	18W61A0107	Burle Chandu	P	P	P	P	P	P	P
8	18W61A0108	D Chiranjeevi	P	P	P	P	P	P	P
9	18W61A0109	Girijala Vamsi	P	P	P	P	P	P	P
10	18W61A0111	Jarugulla Renuka	P	P	P	P	P	P	P
11	18W61A0112	Kayala Tejeswari	P	P	P	P	P	P	P
12	18W61A0113	Konada Usharani	P	P	P	P	P	P	P
13	18W61A0114	K U Maheswara Rao	P	P	P	P	P	P	P
14	18W61A0115	K Uday Kumar	P	P	P	P	P	P	P
15	18W61A0116	Kuna Bhanuprasad	P	P	P	P	P	P	P
16	18W61A0117	M Chandramouli	P	P	P	P	P	P	P
17	18W61A0118	N Ravi Kishore	P	P	P	P	AB	P	P
18	18W61A0119	Prasad Kandapu	P	P	P	P	P	P	P
19	18W61A0120	Reddi Sudheer	P	P	AB	P	P	P	P
20	18W61A0121	Yejjala Dileep	P	P	P	P	P	P	P
21	18W61A0122	Yenni Haribabu	P	P	P	P	P	P	P
22	18W61A0123	Y Sampath	P	P	P	P	P	P	P
23	19W65A0101	A Shiva Kumar Yelisi	P	P	P	P	P	P	P
24	19W65A0104	Buddala Prudvi	P	P	P	P	P	P	P
25	19W65A0105	Chakka Sai Kumar	P	P	AB	P	P	P	P
26	19W65A0106	Challa Avinash	P	P	P	P	P	P	P
27	19W65A0108	Dunna Umapathi	P	P	P	P	P	P	P
28	19W65A0109	Inapa Naveen	P	P	P	P	P	P	P
29	19W65A0110	Jana Dinesh	P	P	P	P	P	P	P

30	19W65A0111	Karanam Ramu	P	P	P	P	P	P	P
31	19W65A0112	Kaya Atchutha Rao	P	P	P	P	P	P	P
32	19W65A0113	K Lakshmi Narayana	P	P	P	P	P	P	P
33	19W65A0117	Nulu Devi Shankar	P	P	P	P	P	P	P
34	19W65A0118	P Rammohana Rao	P	P	P	P	P	P	P
35	19W65A0119	P Dinesh Kukmar	P	P	P	P	P	P	P
36	19W65A0123	Suri Hemanth Kumar	P	P	P	P	P	P	P
37	19W65A0124	T Lavanyakumari	P	P	P	P	P	P	P
38	19W65A0125	Togu Naveen	P	P	P	P	P	P	P
39	19W65A0126	V Vamsi Krishna	P	P	P	P	P	P	P
40	19W65A0127	Vana Bhaskara Rao	P	P	P	P	AB	P	P
41	19W61A0101	Bendi Sarath Chandra	P	P	P	P	P	P	P
42	19W61A0102	Biddika Krishna Babu	P	P	P	P	P	P	P
43	19W61A0104	Chikkala Lakshmi Prasad	P	P	P	P	P	P	P
44	19W61A0105	Dontamsetti Venkata Sai Kiran	P	P	P	P	P	P	P
45	19W61A0106	Gudivada Eswararao	P	P	P	P	P	P	P
46	19W61A0107	Jarugulla Jai Kishore	P	P	P	P	P	P	P
47	19W61A0108	Kallepalli Koteswara Rao	P	P	P	P	P	P	P
48	19W61A0109	Kanchari Sai Kiran	P	P	P	P	P	P	P
49	19W61A0110	Kevati Madhu	P	P	P	P	P	P	P
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51	19W61A0112	Lakhineni Sunil Kumar	P	P	P	P	P	P	P
52	19W61A0113	Murapaka Murali Karthik	P	P	AB	P	P	P	P
53	19W61A0114	Nadiminti Kaladhar	P	P	P	P	P	P	P
54	19W61A0116	Paila Ashok Kumar	P	P	P	P	P	P	P
55	19W61A0117	Savara Durga Rao	P	P	P	P	P	P	P
56	19W61A0119	Savara Khagesh	P	P	P	P	P	P	P
57	19W61A0121	Taddi Jagadeesh	P	P	P	P	P	P	P
58	19W61A0122	Tangi Pavankumar	P	P	P	P	P	P	P
59	19W61A0123	Unkili Eswar Prasad	P	P	P	P	P	P	P
60	20W65A0101	Anduluri Shanmukha Srinivas	P	P	AB	P	P	P	P
61	20W65A0102	B Visweswara Reddy	P	AB	P	P	P	P	P
62	20W65A0103	Bhogapurapu Sai Sudhakar Sarma	P	P	P	P	AB	P	P
63	20W65A0104	Damodara Hema Sai	P	P	P	P	P	P	P
64	20W65A0106	Kurmapu Karthika	P	P	P	P	P	P	P
65	20W65A0107	Kurmapu Karunya	P	P	P	P	P	P	P
66	20W65A0109	Vattam Suresh	P	P	P	P	P	P	P
Signature			<i>LM</i>	<i>LM</i>	<i>LM</i>	<i>LM</i>	<i>LM</i>	<i>LM</i>	<i>LM</i>

*L. Sankar.*  
Program Co-ordinator





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Date: 17-05-2022

### PROGRAM REPORT

- **Name of the Program:** A One-Week Certificate Program on “Revit Architecture”
- **Program Duration:** 09-05-2022 to 15-05-2022
- **Name of the Resource Person:** Miss. Priyanka Panidam  
Trainer cum Designer  
KPA Design & Construction  
Mobile-9989371374  
[priyankapanidam21@gmail.com](mailto:priyankapanidam21@gmail.com)
- **Details of the Program Co-ordinator:** G Sudhararam  
M.Tech - Structural Engineering  
Asst. Professor  
Department of Civil Engineering  
SSCE, Chilakapalem  
Mobile: 7057435631  
Email: [sudharamsircivil@gmail.com](mailto:sudharamsircivil@gmail.com)
- **Objectives of the Program**
  - Understanding the purpose of BIM and how it is applied in Autodesk Revit Software
  - Navigating the Autodesk Revit Workspace and Interface
  - Working with the basic sketching and modifying tools.
  - Review Revit file work-sharing, terminology, and workflow.
  - Linking CAD and Revit files as the basis of a project.
  - Creating Levels and Grids as datum elements for the model.
  - Creating a 3D building model with walls, curtain walls, windows, and doors.
  - Adding component features, such as furniture and equipment.

- Adding floors, ceilings, and roofs to the building model.
- Modeling stairs, railings, and ramps.
- Setting up sheets for plotting with text, dimensions, details, tags, and schedules.
- Creating details.

- **Topics Covered**

1. Introduction to Building Information Modeling
2. Revit Architecture
  - a. Introduction
  - b. GUI
  - c. Setting of Units & Working with Elevation Views
3. Placing Walls, Doors & windows
4. Placing of Family Files (Components)
5. Modify Tools
6. Managing Views by Project Browser
7. Properties Palette
  - a. Type Selector
  - b. Type Parameters
  - c. Instance Parameters
8. Creating New Materials
9. Roof
10. Floor
11. Different Types of Openings
12. Staircase
13. Ramp
14. Railing
15. Annotations
16. Creating Section Views
17. 3-D Views - Camera Views -Rendering
18. Walkthroughs
19. Model Text
20. Paint
21. Massing & Site
22. Schedules
23. Page Layout
24. Documentation
25. Project Submission



- **Outcome of the Program: After completion of this course the students can**

- Design and create accurate and high-quality architectural designs and their components in 3D and 2D drafting elements.
- Set up levels and grids and even create views for cost-effective and energy-efficient design creation of the building.
- Enables to manage the construction documentation in a much efficient manner.
- Learn how to scan the Revit models for any type of collisions or any signs of collisions in the building even before its construction.
- Perform Building Element Energy Analysis with efficiency and ease to create a more energy-efficient building.

- **Number of Participants: 66**



*L. Sankar*  
**Program Co-ordinator**

Cert No:KPA02/RA/19124



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Teemara Lavnaya Kumari

has actively participated and successfully completed workshop under Department of Civil Engineering

.....**Revit Architecture**.....

held in .....**Sri Shivani College of Engineering**.....

from .....**09/05/2022** to .....**15/05/2022**.....

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA



Cert No: KPA18/RA/18106



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Bendi sowjanya

has actively participated and successfully completed workshop under Department of Civil Engineering

**Revit Architecture**

held in **Sri Shivani College of Engineering**

from **09/05/2022** to **15/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA

Cert No: KPA16/RA/19118



# CERTIFICATE

This is to certify that : Mr./Ms.

PAIDI RAMMOHANA RAO

has actively participated and successfully completed workshop under Department of Civil Engineering

**Revit Architecture**

held in **Sri Shivani College of Engineering**

from **09/05/2022** to **15/05/2022**

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BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**

Executive Director  
KPA



Cert No: KPA14/RA/18107



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

BURLE CHANDU

has actively participated and successfully completed workshop under Department of Civil Engineering

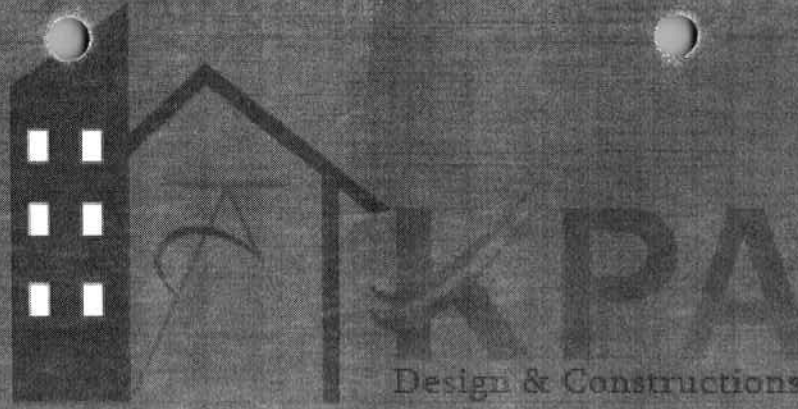
Revit Architecture

held in Sri Shivani College of Engineering

from 09/05/2022 to 15/05/2022

  
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BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA

Cert No: KPA13/RA/19113



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Korlam Lakshmi Narayana

has actively participated and successfully completed workshop under Department of Civil Engineering

**Revit Architecture**

held in **Sri Shivani College of Engineering**

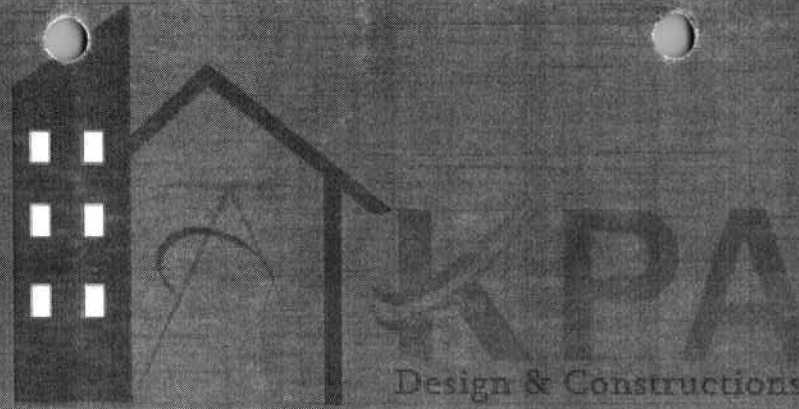
from **09/05/2022** to **15/05/2022**

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BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**

Executive Director  
KPA



Cert No: KPA12/RA/19117



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

NULU DEVI SHANKAR

has actively participated and successfully completed workshop under Department of Civil Engineering

..... **Revit Architecture** .....

held in ..... **Sri Shivani College of Engineering** .....

from **09/05/2022** to **15/05/2022**

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BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**

Executive Director  
KPA

Cert No: KPA10/RA/18104



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

BALAGA SRIRAM KUMAR

has actively participated and successfully completed workshop under Department of Civil Engineering

**Revit Architecture**

held in **Sri Shivani College of Engineering**

from **09/05/2022** to **15/05/2022**

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**

Executive Director  
KPA



Cert No: KPA08/RA/18105



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Battala upendra

has actively participated and successfully completed workshop under Department of Civil Engineering

Revit Architecture

held in Sri Shivani College of Engineering

from 09/05/2022 to 15/05/2022

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA

Cert No: KPA05/RA/18101



# CERTIFICATE

This is to certify that : Mr./Ms.

Siva sai Kumar abothula

has actively participated and successfully completed workshop under Department of Civil Engineering

..... **Revit Architecture** .....

held in ..... **Sri Shivani College of Engineering** .....

from **09/05/2022** to **15/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 30-04-2022

## CIRCULAR

Here by informed to all the 1<sup>st</sup> year ECE, EEE & ME students that, the Department of Humanities and Basics Science is planning to organize A **Two-week ADD-ON Program on "Renewable Energy sources"** from **09-05-2022 to 20-05-2022** . This program is aimed at enhancing your skills and knowledge. In this regard, I suggest all students should enroll this program on or before **05-05-2022**.












**Venue:** Seminar Hall, Block – 1, SSCE.

**Coordinator:** Smt. R Nagamani, Assistant Professor,

Department of Humanities and Basics Sciences

  
**Principal**  
PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

### Copy to

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Signature											

CC To: The Management: for information.



# SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)

(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,

UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)

NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF HUMANITIES & BASIC SCIENCES

Academic Year : 2021-22

Date: 30-04-2022

Name of the program: A Two-week Add-On Program on "Renewable Energy Sources"

### PROGRAM SCHEDULE

S.No	Date	Topics To Be Covered
1	09-05-2022	Introduction
2	10-05-2022	Wind
3	11-05-2022	Solar
4	12-05-2022	Geothermal energy
5	13-05-2022	Geothermal energy
6	14-05-2022	Power
7	16-05-2022	Photovoltaics
8	17-05-2022	Bioenergy
9	18-05-2022	Solar Power
10	19-05-2022	Power Station
11	20-05-2022	Power station

  
Program Co-ordinator

  
Head of the Department



### About the Institution:

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society. SSCE is a pioneer in the field of engineering education in Srikakulam district (A.P). It was established in the year 2006 under the affiliation of JNT University, Kakinada and approved by AICTE, New Delhi. The college is UGC Recognition under 2(f) & 12(B) certified by ISO 9001:2015.

SSCE is situated in a spacious 11 acres campus adjacent to NH-16 at chilkapalem village. The college is easily accessible to all the districts nearby Srikakulam.

SSCE offers B.Tech programmes in E.E.E, E.C.E, C.S.E, Mechanical and Civil Engineering, besides PG programmes M.C.A, M.B.A, M.Tech and Diploma programmes like E.E.E, Mechanical, and Civil Engineering as second shift.

SSCE is completely Wi-Fi enabled and equipped with well established laboratories. The college has focused towards student centric learning atmosphere. The faculty is well qualified, experienced equipped with state of art technologies and dedicated to produce marketable products.

### About the Department:

The Department of Humanities and Basic Sciences, Sri Sivani College of Engineering was established in the year 2006. The department has always been on a progressive path, thanks to the experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education.

### Chief Patron :

**V.M.M. Sainadh Reddy**  
*President, Sri Sivani Group of Colleges*

### Patrons :

**Sri. J. Suryachandra Rao**  
*Vice President, Sri Sivani Group of Colleges*

**Sri. K. Durga Srinivas**  
*Secretary, Sri Sivani Group of Colleges*

**Sri. D. Venkata Rao**  
*Treasurer, Sri Sivani Group of Colleges*

**Sri. P. Durga Prasad Raju**  
*Joint Secretary, Sri Sivani Group of Colleges*

**Dr. S. Srinivasa Rao**  
*Correspondent, Sri Sivani Group of Colleges*

### Principal:

**Dr. J. Bala Bhaskar**, *Principal, SSCE*

### Head of Department:

**Mr. K. Mdhu Kumar**,  
*Dept. of H&BS*

### Co-ordinator:

**Mrs. R. Nagamani**, M.Sc  
*Assistant Professor, Dept. of H&BS*  
*Mobile: 8074315077*  
*Email Id: [rapaka.nagamani11@gmail.com](mailto:rapaka.nagamani11@gmail.com)*

### Resource Persons:

**Mr. S.V.N. Sunil kumar**,  
*Assistant Professor, Dept. of CIVIL,*  
*Sri Sivani College of Engineering*  
**897806064**  
*[Srigirisetty.sunil@gmail.com](mailto:Srigirisetty.sunil@gmail.com)*



## SRI SIVANI COLLEGE OF ENGINEERING

**A TWO-WEEK ADD-ON PROGRAM  
ON**

## RENEWABLE ENERGY SOURCES

**9<sup>th</sup> -20<sup>th</sup> May, 2022**



**Organized by**

**DEPARTMENT OF HUMANITIES & BASIC  
SCINCES**

### Objective :

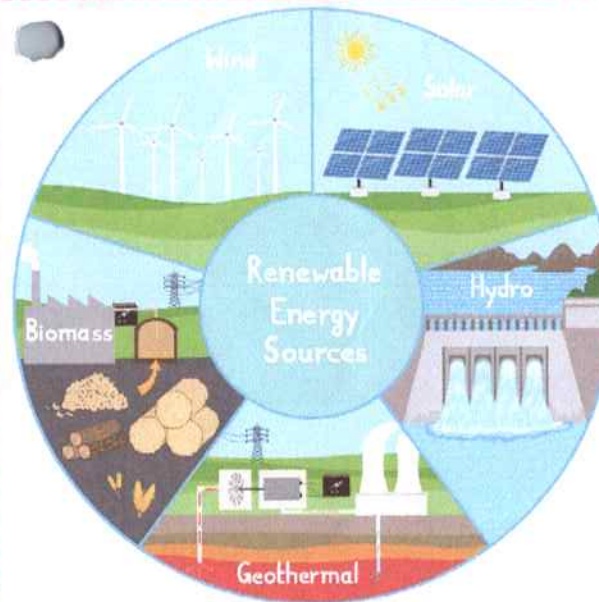
- Charting an energy-mix and framing a timeline in sync with RPOs.
- Identifying technology-wise thrust areas and strategies for RE in the State.
- Developing a roadmap for each of the RE technologies.
- Developing future RE technologies via pilot projects to be scaled up subsequently.
- Facilitating and sustaining private sector investment in the development of renewable energy.

### Expected Outcomes:

On completion of the course

- Student have profound knowledge in a special field such as solar energy, storage, smart grid.
- Student have approximately specialized knowledge in a field of renewable energy systems.
- Student are able to perform an initial design of a renewable energy system.
- Student are able to design in detail a subsystem
- Student should be familiar with the subject's development, limitations and opportunities – academic, ethical and social.
- Student should be familiar with innovation and innovation processes.
- Student should be used to working in interdisciplinary groups.

\*\*\*\*Spot Registration is available\*\*\*\*



### Route Map:



### REGISTRATION FORM

A TWO-WEEK ADD-ON PROGRAM ON

## “RENEWABLE ENERGY SOURCES”

9<sup>th</sup> -20<sup>th</sup> May, 2022

Participant's name :

Gender: Male/Female :

Educational Qualification :

Department :

Organization:

Address for Communication :

Mobile Number :

Email ID :

Date: Signature of the Participant





# SRI SIVANI COLLEGE OF ENGINEERING

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UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)  
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF HUMANITIES & BASIC SCIENCES

Academic Year: 2021-22

Date: 09-05-2022

Name of the program: A Two Week Add-On Program on "Renewable Energy Sources".

### List of Enrolled Students

S.No	Roll No	Name Of The Student	Year/Sem	Signature
1	21W61A0301	Andavarapu Yaswanth	I/II	A. yaswanth
2	21W61A0302	Boddu Chaitanya	I/II	B. Chaitanya
3	21W61A0303	Bokam Yaswanthsai	I/II	B. yaswanthsai
4	21W61A0304	Chitti Somashekhar	I/II	Ch. Somashekhar
5	21W61A0305	Kalamata Siva Sai Krishna	I/II	K. Siva Sai Krishna
6	21W61A0306	Konki Janaki Ram	I/II	K. Janaki Ram
7	21W61A0307	Mandangi Durga Rao	I/II	M. Durga Rao
8	21W61A0308	Muddada Prasanna Kumar	I/II	M. Prasanna Kumar
9	21W61A0309	Pydi Tejeswararao	I/II	P. Tejeswararao
10	21W61A0310	Reddy Chandra Sekhar	I/II	R. Chandra Sekhar
11	21W61A0311	Vaddi Tejesh	I/II	V. Tejesh
12	21W61A0312	Cheepuru Pavankalyan	I/II	Ch. pavankalyan
13	21W61A0313	Pinninti Mouli	I/II	P. Mouli
14	21W61A0401	Allada Dhayanandha	I/II	A. Dhayanandha
15	21W61A0402	Allu Yamini	I/II	A. Yamini
16	21W61A0403	Beesetti Teja	I/II	B. Teja
17	21W61A0404	Behara Vidya Kalyan	I/II	B. vidyakalyan
18	21W61A0405	Bodda Kranthi	I/II	B. Kranthi
19	21W61A0406	Bommali Grishma	I/II	B. Grishma
20	21W61A0407	Budda Venkataramana	I/II	B. venkataramana
21	21W61A0408	Chitti Venkatesh	I/II	C. Venkatesh
22	21W61A0409	D Rohit Kumar	I/II	D. Rohit Kumar
23	21W61A0410	Darapu Hemanth	I/II	D. Hemanth
24	21W61A0411	Dasari Mani Kanta	I/II	Mani Kanta
25	21W61A0412	Dumpala Satwik	I/II	D. Satwik
26	21W61A0413	Dunga Bhanu Prakash	I/II	D. Bhanu prakash
27	21W61A0414	Dunga Sasi Kumar	I/II	D. Sasi Kumar
28	21W61A0415	Ganteda Madhu Latha	I/II	G. Madhulatha
29	21W61A0416	Gedela Ganesh	I/II	G. Ganesh
30	21W61A0417	Gedela Ravi Teja	I/II	G. Ravi Teja
31	21W61A0418	Gorle Satyavathi	I/II	G. Satyavathi
32	21W61A0419	Guruvu Mounika	I/II	G. Mounika
33	21W61A0420	Ippili Anusha	I/II	I. Anusha
34	21W61A0421	Ippili Pavan Kumar	I/II	I. Pavan Kumar
35	21W61A0422	Ippili Ravi	I/II	I. Ravi
36	21W61A0424	Karanam Sandeep Naidu	I/II	I. Ravi
37	21W61A0425	Kotni Aneasha	I/II	K. Aneasha
38	21W61A0426	Kunchala Sravani	I/II	K. Sravani

39	21W61A0427	Narala Vijay	I/II	N. Vijay
40	21W61A0428	Panga Akhilandesw Ari	I/II	P. Akhila.
41	21W61A0429	Pariga Hemanth	I/II	P. Hemanth
42	21W61A0430	Pasarla Tareesh	I/II	P. Tareesh
43	21W61A0431	Pilla Kiran Kumar	I/II	P. K. Kumar
44	21W61A0432	Pogiri Bhargavi	I/II	P. Bhargavi.
45	21W61A0433	Polaki Pavan	I/II	P. Pavan
46	21W61A0434	Potti Tanuja	I/II	P. Tanuja
47	21W61A0435	Raavi Sai Priyanka	I/II	R. Sai Priyanka
48	21W61A0436	Ragala Lakshmi	I/II	R. Lakshmi
49	21W61A0437	Ravada Jagadeesh	I/II	R. Jagadeesh.
50	21W61A0438	Rokkam Deepika	I/II	R. Deepika.
51	21W61A0439	Samantula Sai Eswara Rao	I/II	S. Sai Eswara Rao
52	21W61A0440	Sarlana Pradeep	I/II	S. Pradeep
53	21W61A0441	Sativada Rohini	I/II	S. Rohini
54	21W61A0442	Simma Ganesh	I/II	S. Ganesh
55	21W61A0443	Simma Jayaram	I/II	S. Jayaram
56	21W61A0444	Suravarapu Haritha	I/II	S. Haritha
57	21W61A0445	Thandroth Pravallika	I/II	T. pravallika.
58	21W61A0446	Ulasa Madhu	I/II	U. madhu

  
Program Co-ordinator

  
Head of the Department







35	21W61A0422	Ippili Ravi	P	P	D	D	P	P	P	D	D	P	D
36	21W61A0424	Karanam Sandeep Naidu	P	P	P	D	P	P	D	P	P	P	D
37	21W61A0425	Kotni Aneesha	P	P	P	P	P	P	P	P	P	P	P
38	21W61A0426	Kunchala Sravani	A	P	P	P	P	P	P	P	P	P	P
39	21W61A0427	Narala Vijay	P	P	P	P	P	P	D	P	P	D	D
40	21W61A0428	Panga Akhilandesw Ari	P	P	P	P	P	P	P	P	P	D	D
41	21W61A0429	Pariga Hemanth	D	D	P	P	P	P	P	P	P	D	D
42	21W61A0430	Pasarla Tareesh	P	P	D	D	P	P	P	P	P	P	D
43	21W61A0431	Pilla Kiran Kumar	D	D	P	P	P	A	P	D	P	P	D
44	21W61A0432	Pogiri Bhargavi	P	P	P	P	P	P	D	P	P	P	P
45	21W61A0433	Polaki Pavan	P	P	D	P	P	P	D	P	P	P	A
46	21W61A0434	Potti Tanuja	P	P	P	P	P	P	P	P	P	P	D
47	21W61A0435	Raavi Sai Priyanka	P	D	P	P	P	P	P	P	D	D	P
48	21W61A0436	Ragala Lakshmi	P	P	P	P	P	P	P	P	D	D	D
49	21W61A0437	Ravada Jagadeesh	P	P	P	P	P	P	P	P	D	D	P
50	21W61A0438	Rokkam Deepika	P	P	P	D	P	P	D	P	D	P	D
51	21W61A0439	Samantula Sai Eswara Rao	P	P	P	P	P	P	P	P	D	P	P
52	21W61A0440	Sarlana Pradeep	P	P	A	D	P	P	P	P	P	P	P
53	21W61A0441	Sativada Rohini	P	P	D	D	P	P	P	D	D	P	D
54	21W61A0442	Simma Ganesh	P	P	D	P	P	P	P	P	P	P	P
55	21W61A0443	Simma Jayaram	P	P	D	D	P	P	D	P	D	D	D
56	21W61A0444	Suravarapu Haritha	P	P	P	P	P	P	P	P	D	D	P
57	21W61A0445	Thandroth Pravallika	P	P	P	P	P	P	P	P	P	P	P
58	21W61A0446	Ulasa Madhu	P	P	D	P	P	P	P	P	P	P	P
Signature :													

  
Program Co-ordinator





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## DEPARTMENT OF HUMANITIES & BASIC SCIENCES

Academic year: 2021-22

Date: 23-05-2022

### PROGRAM REPORT

<b>Name of the program</b>	: A Two Week Add-On Program on “Renewable Energy Sources”
<b>Duration of the program</b>	: 09-05-2022 to 20-05-2022
<b>Details of Resource Persons</b>	: 1. Dr. S.V. N.Sunil kumar, M.Sc Assistant Professor, Dept. of CIVIL, Sri Sivani College of Engineering <a href="mailto:Srigirisetty.sunil@gmail.com">Srigirisetty.sunil@gmail.com</a> 8978060684
<b>Details of Program coordinator</b>	: Mr. R. Nagamani, M. Sc Assistant Professor, Dept. of H&Bs, Sri Sivani College of Engineering <a href="mailto:rapaka.nagamani11@gmail.com">rapaka.nagamani11@gmail.com</a> 8074315077

#### **Objectives of the program:**

- Charting an energy-mix and framing a timeline in sync with RPOs.
- Identifying technology-wise thrust areas and strategies for RE in the State.
- Developing a roadmap for each of the RE technologies.
- Developing future RE technologies via pilot projects to be scaled up subsequently.
- Facilitating and sustaining private sector investment in the development of renewable energy.



**Topics covered:**

1. Introduction
2. Wind
3. Solar
4. Geothermal energy
5. Power
6. Photovoltaics
7. Bioenergy
8. Solar Power
9. Power Station



**Outcomes of the program:**

On completion of the course, student should be able to:

- You have profound knowledge in a special field such as solar energy, storage, smart grid.
- You have approximately specialized knowledge in a field of renewable energy systems.
- You are able to perform an initial design of a renewable energy system.
- You are able to design in detail a subsystem
  
- You should be familiar with the subject's development, limitations and opportunities – academic, ethical and social.
- You should be familiar with innovation and innovation processes.
- You should be used to working in interdisciplinary groups.

**Number of participants :58**

  
**Program Co-ordinator**



# SRI SIVANI COLLEGE OF ENGINEERING

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ISO 9001:2015 Certified, UGC Recognition under 2(f) & 12(B))  
CHILAKAPALEM, SRIKAKULAM, A.P.-532410

## Certificate of Participation

This is to certify that Mr./Ms. pokti. Tanuja bearing

Roll No. 21W61A0439 of I<sup>st</sup> Year, II<sup>nd</sup> semester has completed A Two Week Add-On Program on "Renewable Energy Sources" organized by Department of Humanities & Basic sciences during the period **09<sup>th</sup> May-20<sup>th</sup> May 2022.**

  
Co-ordinator

  
HOD

  
Principal





# SRI SIVANI COLLEGE OF ENGINEERING

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ISO 9001:2015 Certified, UGC Recognition under 2(f) & 12(B))  
CHILAKAPALEM, SRIKAKULAM, A.P.-532410

## Certificate of Participation

This is to certify that Mr./Ms. Gredela Ravi Teja bearing

Roll No. 21WG1A0416 of I<sup>st</sup> Year, II<sup>nd</sup> semester has completed A Two Week Add-On Program on "Renewable Energy Sources" organized by Department of Humanities & Basic sciences during the period **09<sup>th</sup> May-20<sup>th</sup> May 2022.**

  
Co-ordinator

  
HOD

  
Principal



# SRI SIVANI COLLEGE OF ENGINEERING

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CHILAKAPALEM, SRIKAKULAM, A.P.-532410

## Certificate of Participation

This is to certify that Mr./Ms. Dasari Manikanta bearing

Roll No. 21WG1A0411 of I<sup>st</sup> Year, II<sup>nd</sup> semester has completed A Two Week Add-On Program on "Renewable Energy Sources" organized by Department of Humanities & Basic sciences during the period **09<sup>th</sup> May-20<sup>th</sup> May 2022.**

  
Co-ordinator

  
HOD

  
Principal





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CHILAKAPALEM, SRIKAKULAM, A.P.-532410

## Certificate of Participation

This is to certify that Mr./Ms. Chitti Somashekhar bearing

Roll No. 21W61A0304 of I<sup>st</sup> Year, II<sup>nd</sup> semester has completed A Two Week Add-On Program on "Renewable Energy Sources" organized by Department of Humanities & Basic sciences during the period **09<sup>th</sup> May-20<sup>th</sup> May 2022.**

  
Co-ordinator

  
HOD

  
Principal



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

Date: 06-05-2022

## CIRCULAR

This is to inform that the **Department of Civil Engineering** is organizing **A One Week Add on Program on "Building Drafting Using Auto CAD"** during **16-05-2022 to 21-05-2022** to the 2<sup>nd</sup> year and 4<sup>th</sup> year Civil students. AutoCAD is a program extensively used by Civil Engineers and other professionals all over the world which allows a designer to analyse, design and plan easily and efficiently. Herewith, all the 2<sup>nd</sup> and 4<sup>th</sup> year Civil students avail this opportunity and do the registration process with the Co-ordinator Mr. G Sudharam on or before 13-05-2022. Certificate will be provided to all participants after the successful completion of the course.

**Venue:** Central Computing Lab, Block – 1, SSCE.

**Co-ordinator:** Mr. G Sudharam, Asst. Prof,  
Department of Civil Engineering

Principal

PRINCIPAL

SRI SIVANI COLLEGE OF ENGINEERING

Chilakapalem Jn., SRIKAKULAM

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Signature											

CC To: The Management: for information.





# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic Year:2021-22

Date: 06-05-2022

Name of the program: A One-Week Certificate Program on “Building Drafting Using AutoCAD”

### Program Schedule

S No	Date	Topics
1	16-05-22	<ul style="list-style-type: none"><li>● Introduction to Building Information Modeling</li><li>● Revit Architecture – Introduction – GUI - Setting of Units &amp; Working with Elevation Views</li></ul>
2	17-05-22	<ul style="list-style-type: none"><li>● Placing Walls, Doors &amp; windows</li><li>● Placing of Family Files (Components)</li><li>● Modify Tools</li><li>● Managing Views by Project Browser</li></ul>
3	18-05-22	<ul style="list-style-type: none"><li>● Properties Palette - Type Selector - Type Parameters – Instance Parameters</li><li>● Creating New Materials</li><li>● Roof</li><li>● Floor</li></ul>
4	19-05-22	<ul style="list-style-type: none"><li>● Different Types of Openings</li><li>● Staircase</li><li>● Ramp</li><li>● Railing</li><li>● Annotations</li></ul>
5	20-05-22	<ul style="list-style-type: none"><li>● Creating Section Views</li><li>● 3-D Views - Camera Views – Rendering - Walkthroughs</li><li>● Model Text</li><li>● Paint</li><li>● Massing &amp; Site</li></ul>
6	21-05-22	<ul style="list-style-type: none"><li>● Schedules</li><li>● Page Layout</li><li>● Documentation</li><li>● Project Submission</li></ul>

*S. Sudhakar*  
Program Co-ordinator

*S. V. K. Venkatesh*  
Head of the Department



**ABOUT THE INSTITUTION**

Sri Sivani College of Engineering (SSCE) is one of the colleges functioning under Sri Sivani Educational Society, established in 2006 affiliated to JNTUK, Kakinada. UGC Recognition under 2(f) & 12(B). ISO 9001:2015 Certified. SSCE is situated in a spacious 12 acres campus adjacent to NH-16 at Chilakapalem, Srikakulam, Andhra Pradesh.

SSCE offers B. Tech programs in Civil, C.S.E, E.E.E, E.C.E, Mechanical Engineering and PG programmes M.B.A, M.Tech and Diploma programmes for Civil, E.E.E and Mechanical Engineering. Fully connected through Fiber Optics and Wi-Fi Networks, Endowed with fully Qualified, well experienced and seasoned faculty members equipped with industrial experience and fully established laboratories with state-of-the-art technologies meets the growing needs of the students.

**ABOUT THE DEPARTMENT**

The Department of Civil Engineering in Sri Sivani College of Engineering was established in the year 2009 plays a vital role in the entire college. It has been offering full time B. Tech (Civil). The Department has been advancing at a rapid pace with acquisition of advanced facilities, R&D, and dedicated teaching faculty to properly motivate and mould the students for a better and prospective tomorrow. The strength of the department lies in the existing physical laboratories such as Surveying, Geotechnical Engg, Hydraulics, Strength of Materials, Concrete Technology, Environmental Engg, Transportation Engg, Engineering Geology and CAD/STAAD PRO.

**CHIEF PATRON**

Sri. V.M.M. Sainadh Reddy, President,

**PATRONS**

Sri. J. Suryachandra Rao, Vice President,

Sri. K. Durga Srinivas, Secretary,

Sri. D. Venkata Rao, Treasurer,

Sri. P. Durga Prasad Raju, Joint Secretary,

Sri. S. Srinivasa Rao, Correspondent,

**CHAIRMAN**

Dr. J Bala Bhaskara Rao,  
Principal, SSCE

**ORGANISING COMMITTEE****Head of the Department**

Mr. S V N Sunil Kumar

**Program Co-ordinator**

Mr. G. Sudharam, Assistant professor  
Mobile: 7057435631

Email: [sudharamsircivil@gmail.com](mailto:sudharamsircivil@gmail.com)

**SRI SIVANI COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and  
Affiliated to JNTUK, Kakinada-CC-W6,  
UGC Recognition under 2(f) & 12(B),  
ISO 9001:2015 Certified) NH-16,  
Chilakapalem Jn., Srikakulam Dist.532410

**A One-Week Certificate Program on  
"Building Drafting using Auto CAD"**

16<sup>th</sup> to 21<sup>th</sup> May 2022

Organized by

Department of Civil Engineering





## ABOUT PROGRAM

AutoCAD is a computer-aided design (CAD) program to create detailed technical drawings. Initially created in 1982 and now owned by Autodesk, this program helps engineers and architects to create worldwide design buildings, machinery, and other structures in 2d & 3d with accuracy and precision.

It is renowned for its ability to scale and capture measurements more quickly than manual techniques and save construction time.

## RESOURCE PERSON

Miss. PRIYANKA PANIDAM  
Trainer cum Designer  
KPA Design & Construction  
Mobile-9989371374  
[priyankapanidam21@gmail.com](mailto:priyankapanidam21@gmail.com)

## PROGRAM SCHEDULE

1. *Engineering Drawings*
  - a. *Introduction*
  - b. *Projections*
2. *Coordinate System*
  - a. *Absolute*
  - b. *Relative*
  - c. *Polar*
3. *AutoCAD*
  - a. *Introduction*
  - b. *GUI*
4. *Setting of Units & Limits*
5. *Draw Tools*
6. *Modify Tools*
7. *Blocks Creation*
8. *Annotation Tools*
9. *Layer Management*
10. *Hatch*
11. *Site Layout*
12. *Vastu Considerations*
13. *Creating Building Plan*
14. *Creating Elevation*
15. *Creating Sections*
16. *Creating Columns Layout with Detailing*
17. *Creating Beams Layout with Detailing*
18. *Creating Footings Layout with Detailing*
19. *Page Layout*

## REGISTRATION FORM

**A One -Week Certificate Program on  
"Building Drafting using Auto CAD"**

**Participant's Name:**

**Gender: Male/Female**

**Educational Qualifications:**

**Department:**

**Organization:**

**Address for Communication:**

**Phone No:**

**Email:**

**Date:**

**Signature of the Participant:**



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Date: 16-05-2022

Name of the program: A One-Week Certificate Program on "Building Drafting Using Auto CAD"

### List of Enrolled Students

S.No	Roll No	Name of the student	Year-Sem	Signature
1	18W61A0101	Abothula Siva Sai Kumar	IV-II	A. Siva Sai
2	18W61A0102	Abotula Maneendra	IV-II	A. Maneendra
3	18W61A0103	Balaga Srikanth	IV-II	B. Srikanth
4	18W61A0104	Balaga Sriram Kumar	IV-II	B. Sriram Kumar
5	18W61A0105	Battala Upendra	IV-II	B. Upendra
6	18W61A0106	Bendi Sowjanya	IV-II	B. Sowjanya
7	18W61A0107	Burle Chandu	IV-II	B. Chandu
8	18W61A0108	Dumpala Chiranjeevi	IV-II	D. Chiranjeevi
9	18W61A0109	Girijala Vamsi	IV-II	G. Vamsi
10	18W61A0111	Jarugulla Renuka	IV-II	J. Renuka
11	18W61A0112	Kayala Tejeswari	IV-II	K. Tejeswari
12	18W61A0113	Konada Usharani	IV-II	K. Usharani
13	18W61A0114	K Umamaheswara Rao	IV-II	K. Uma R.
14	18W61A0115	Korlapu Uday Kumar	IV-II	K. Uday
15	18W61A0116	Kuna Bhanuprasad	IV-II	K. Bhanuprasad
16	18W61A0117	Moyya Chandramouli	IV-II	M. Chandramouli
17	18W61A0118	Nimalapuri Ravi Kishore	IV-II	N. Ravi



18	18W61A0119	Prasad Kandapu	IV-II	K. Prasad
19	18W61A0120	Reddi Sudheer	IV-II	B. Sudheer
20	18W61A0121	Yejjala Dileep	IV-II	Y. Dileep.
21	18W61A0122	Yenni Haribabu	IV-II	Y. Haribabu
22	18W61A0123	Yerraguntla Sampath	IV-II	Y. Sampath
23	19W65A0101	A Shiva Kumar Yelisi	IV-II	X. Anantha Siva
24	19W65A0104	Buddala Prudvi	IV-II	B. Prudvi
25	19W65A0105	Chakka Sai Kumar	IV-II	Ch. Saikumar
2	19W65A0106	Challa Avinash	IV-II	Ch. Avinash
27	19W65A0108	Dunna Umapathi	IV-II	D. Umapathi
28	19W65A0109	Inapa Naveen	IV-II	I. Naveen
29	19W65A0110	Jana Dinesh	IV-II	J. Dinesh
30	19W65A0111	Karanam Ramu	V-II	K. Ramu
31	19W65A0112	Kaya Atchutha Rao	IV-II	K. Atchutha Rao
32	19W65A0113	K Lakshmi Narayana	IV-II	K. Lakshmi Narayana
33	19W65A0117	Nulu Devi Shankar	IV-II	N. Devi Shankar
34	19W65A0118	Paidi Rammohana Rao	IV-II	P. Rammohana Rao
35	19W65A0119	Palla Dinesh Kukmar	IV-II	P. Dinesh Kumar
36	19W65A0123	Suri Hemanth Kumar	IV-II	S. Hemanth Kumar
37	19W65A0124	Teemara Lavanyakumari	IV-II	T. Lavanya
38	19W65A0125	Togu Naveen	IV-II	T. Naveen
39	19W65A0126	V Vamsi Krishna	IV-II	V. Vamsi Krishna
40	19W65A0127	Vana Bhaskara Rao	IV-II	V. Bhaskara Rao
41	20W61A0102	Arasavelli Jhansi	II-II	A. Jhansi
42	20W61A0105	Bilingi Maheshwara Rao	II-II	B. Maheshwara Rao
43	20W61A0108	Duppatala Shakil	II-II	D. Shakil
44	20W61A0110	Kadupuri Neeraja	II-II	K. Neeraja
45	20W61A0111	Neduru Siddhu Ganesh	II-II	N. Siddhu
46	20W61A0112	Palavalasa Pavankumar	II-II	P. Pavankumar

47	20W61A0113	Runku Siva Kiran	II-II	R. Siva Kiran
48	20W61A0114	Savara Venkata Rao	II-II	S. Venkatarao
49	20W61A0118	Thandra Rakesh	II-II	T. Rakesh
50	20W61A0119	Thota Dhanunjay Rao	II-II	Thota Dhanunjay Rao
51	21W65A0102	Bora Vijaykumar	II-II	B. Vijay
52	21W65A0103	Dikkala Karthik	II-II	D. Karthik
53	21W65A0105	Killamsetty Vinayakumar	II-II	K. Vinayakumar
54	21W65A0107	Kundu Devi	II-II	Kundu. Devi
55	21W65A0108	Madini Bhargava	II-II	M. Bhargava
56	21W65A0109	Palli Ramu	II-II	P. Ramu
57	21W65A0110	Piriya Sateesh Kumar	II-II	P. Sateesh Kumar
58	21W65A0111	Ponnana Ajay	II-II	P. Ajay
59	21W65A0112	Pudi Suresh	II-II	P. Suresh
60	21W65A0114	Sadu Shanmuka Rao	II-II	S. Shanmuka Rao
61	21W65A0115	Sanapala Santharam	II-II	S. Santharam
62	21W65A0116	Savara Tirupathirao	II-II	S. Tirupathi rao
63	21W65A0117	Somireddy Guna Sekhar	II-II	S. Guna Sekhar
64	21W65A0118	V Sudarshan Raju	II-II	V. Sudarshan Raju
65	20B41A0101	Parapathi Raghu	II-II	P. Raghu.

G. Sudhakar

Program Co-ordinator

G. V. N. Venilun

Head of the Department





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Name of the program: A One-Week Certificate Program on "Building Drafting Using AutoCAD"

### Day Wise Attendance Sheet

S. No	Roll NO	Name of the student	01 16-05-21	02 17-05-21	03 18-05-21	04 19-05-21	05 20-05-21	06 21-05-21
1	18W61A0101	Abothula Siva Sai Kumar	P	P	P	P	P	P
2	18W61A0102	Abotula Maneendra	P	P	P	P	P	P
3	18W61A0103	Balaga Srikanth	P	P	P	P	P	P
4	18W61A0104	Balaga Sriram Kumar	P	P	P	P	P	P
5	18W61A0105	Battala Upendra	P	P	P	P	P	P
6	18W61A0106	Bendi Sowjanya	P	P	P	P	P	P
7	18W61A0107	Burle Chandu	P	P	P	P	P	P
8	18W61A0108	D Chiranjeevi	P	P	AB	P	P	P
9	18W61A0109	Girijala Vamsi	P	P	P	P	P	P
10	18W61A0111	Jarugulla Renuka	P	P	P	P	P	P
11	18W61A0112	Kayala Tejeswari	P	P	P	P	P	P
12	18W61A0113	Konada Usharani	P	P	P	P	P	P
13	18W61A0114	K U Maheswara Rao	P	P	P	P	P	P
14	18W61A0115	K Uday Kumar	P	P	P	P	P	P
15	18W61A0116	Kuna Bhanuprasad	P	P	P	P	P	P
16	18W61A0117	M Chandramouli	P	P	P	P	P	P
17	18W61A0118	N Ravi Kishore	P	P	AB	P	P	P
18	18W61A0119	Prasad Kandapu	P	P	P	P	AB	P
19	18W61A0120	Reddi Sudheer	P	P	P	P	P	P
20	18W61A0121	Yejjala Dileep	P	P	P	P	P	P
21	18W61A0122	Yenni Haribabu	P	P	P	P	P	P
22	18W61A0123	Y Sampath	P	P	P	P	P	P
23	19W65A0101	A Shiva Kumar Yelisi	P	P	P	P	P	P
24	19W65A0104	Buddala Prudvi	P	P	P	P	P	P
25	19W65A0105	Chakka Sai Kumar	P	P	P	P	P	P
26	19W65A0106	Challa Avinash	P	P	P	P	P	P
27	19W65A0108	Dunna Umapathi	P	P	P	P	P	P

28	19W65A0109	Inapa Naveen	P	P	P	P	P	P
29	19W65A0110	Jana Dinesh	P	P	P	P	P	P
30	19W65A0111	Karanam Ramu	P	P	P	P	P	P
31	19W65A0112	Kaya Atchutha Rao	P	P	P	P	P	P
32	19W65A0113	K Lakshmi Narayana	P	P	P	P	P	P
33	19W65A0117	Nulu Devi Shankar	P	P	P	P	P	P
34	19W65A0118	P Rammohana Rao	P	P	P	P	P	P
35	19W65A0119	P Dinesh Kukmar	P	P	P	P	P	P
36	19W65A0123	Suri Hemanth Kumar	P	P	P	P	P	P
37	19W65A0124	T Lavanyakumari	P	P	P	P	P	P
38	19W65A0125	Togu Naveen	P	P	P	P	P	P
39	19W65A0126	V Vamsi Krishna	P	P	P	P	P	P
40	19W65A0127	Vana Bhaskara Rao	P	AB	P	P	P	P
41	20W61A0102	Arasavelli Jhansi	P	P	P	P	P	P
42	20W61A0105	B Maheshwara Rao	P	P	P	P	P	P
43	20W61A0108	Duppatala Shakil	P	P	P	P	P	P
44	20W61A0110	Kadupuri Neeraja	P	P	P	P	P	P
45	20W61A0111	N Siddhu Ganesh	P	P	P	P	P	P
46	20W61A0112	P Pavankumar	P	P	P	P	P	P
47	20W61A0113	Runku Siva Kiran	P	P	P	P	P	P
48	20W61A0114	S Venkata Rao	P	P	P	P	P	P
49	20W61A0118	Thandra Rakesh	P	P	P	P	P	P
50	20W61A0119	T Dhanunjay Rao	P	P	P	P	P	P
51	21W65A0102	Bora Vijaykumar	P	P	P	P	P	P
52	21W65A0103	Dikkala Karthik	P	AB	P	P	P	P
53	21W65A0105	K Vinayakumar	P	P	P	P	P	P
54	21W65A0107	Kundu Devi	P	P	P	P	P	P
55	21W65A0108	Madini Bhargava	P	P	P	P	AB	P
56	21W65A0109	Palli Ramu	P	P	P	P	P	P
57	21W65A0110	P Sateesh Kumar	P	P	P	P	P	P
58	21W65A0111	Ponnana Ajay	P	P	P	P	P	P
59	21W65A0112	Pudi Suresh	P	P	P	P	P	P
60	21W65A0114	Sadu Shanmuka Rao	P	P	P	P	P	P
61	21W65A0115	S Santharam	P	P	P	P	P	P
62	21W65A0116	S Tirupathirao	P	P	P	P	P	P
63	21W65A0117	S Guna Sekhar	P	P	P	P	P	P
64	21W65A0118	V Sudarshan Raju	P	P	P	P	P	P
65	20B41A0101	Parapathi Raghu	P	P	P	P	P	P
Signature			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
Program Co-ordinator





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Civil Engineering

Academic year: 2021-22

Date: 24-05-2022

### PROGRAM REPORT

- **Name of the Program:** A One-Week Certificate Program on “Building Drafting using AutoCAD”
- **Program Duration:** 16-05-2022 to 21-05-2022
- **Name of the Resource Person:** Miss. Priyanka Panidam  
Trainer cum Designer  
KPA Design & Construction  
Mobile-9989371374  
[priyankapanidam21@gmail.com](mailto:priyankapanidam21@gmail.com)
- **Details of the Program Coordinator:** G Sudharam Krishna  
M.Tech - Structural Engineering  
Asst. Professor  
Department of Civil Engineering  
SSCE, Chilakapalem  
Mobile: 7057435631  
Email: [sudharamsircivil@gmail.com](mailto:sudharamsircivil@gmail.com)
- **Objectives of the Program**
  - To impart the parametric fundamentals to create and manipulate geometric models using curves, surfaces and models
  - Demonstrate basic concepts of AutoCAD software
  - Apply basic concepts to develop construction techniques.
  - Ability to manipulate drawings through editing and plotting techniques
  - Understand geometric construction
  - Produce template drawings
  - Produce 2D orthographic projections
  - Understand sections and auxiliary views
  - Demonstrate familiar with solid modelling concepts and techniques

- **Topics Covered**

1. Engineering Drawings– Introduction-Projections
2. Coordinate System – Absolute Relative - Polar
3. AutoCAD- Introduction – GUI
4. Setting of Units & Limits
5. Draw Tools
6. Modify Tools
7. Blocks Creation
8. Annotation Tools
9. Layer Management
10. Hatch
11. Site Layout
12. Vastu Considerations
13. Creating Building Plan
14. Creating Elevation
15. Creating Sections
16. Creating Columns Layout with Detailing
17. Creating Beams Layout with Detailing
18. Creating Footings Layout with Detailing
19. Page Layout
20. Sample plans Executing

- **Outcome of the Program: After completion of this course the students can**

- ✓ Create and edit architectural working drawings that include walls, doors, windows, stairs, and roofs of residential and commercial buildings.
- ✓ Create and edit wall modifier styles, endcaps to create wall design.
- ✓ Monitor multiple roof intersections and create roofs for dormers.

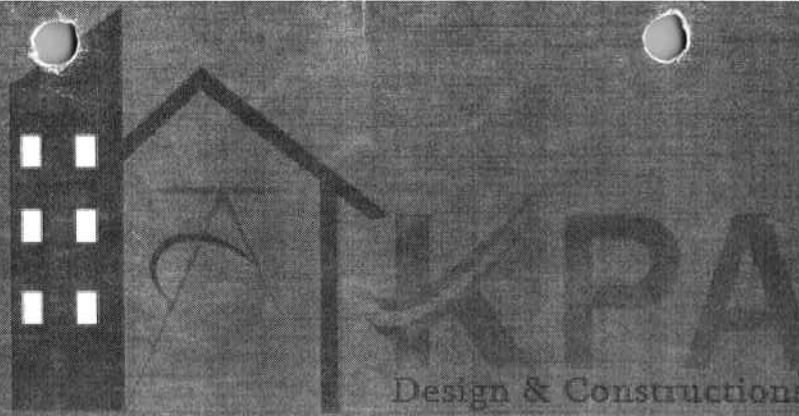
- **Number of Participants: 65**



*L. S. S. S.*  
**Program Co-ordinator**



Cert No: KPA27/CAD/18116



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Kuna Bhanu Prasad

has actively participated and successfully completed workshop under Department of Civil Engineering

..... **Building Drafting Using AutoCAD** .....

held in ..... **Sri Shivani College of Engineering** .....

from **16/05/2022** to **21/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA

Cert No: KPA23/CAD/20101



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Parapati Raghu

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY

**MALLIKARJUNA REDDY B**

Executive Director  
KPA



Cert No: KPA15/CAD/20111



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Nedhuru Siddu Ganesh

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**

A handwritten signature in black ink, appearing to be 'Mallikarjuna Reddy B.', is positioned above the printed name.

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY

**MALLIKARJUNA REDDY B**

Executive Director

KPA

Cert No: KPA13/CAD/20108



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Duppatla Shakil

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA



Cert No: KPA19/RA/18111



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Jarugulla Renuka

has actively participated and successfully completed workshop under Department of Civil Engineering

**Revit Architecture**

held in **Sri Shivani College of Engineering**

from **09/05/2022** to **15/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA

Cert No: KPA02/CAD/21111



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

PONNANA AJAY

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY

**MALLIKARJUNA REDDY B**

Executive Director

KPA



Cert No: KPA04/CAD/21115



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

SANAPALA SANTHARAM

has actively participated and successfully completed workshop under Department of Civil Engineering

..... **Building Drafting Using AutoCAD** .....

held in ..... **Sri Shivani College of Engineering** .....

from **16/05/2022** to **21/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**  
Executive Director  
KPA

Cert No: KPA03/CAD/21118



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

SUDARSHAN RAJU VYSYARAJU

has actively participated and successfully completed workshop under Department of Civil Engineering

..... **Building Drafting Using AutoCAD** .....

held in ..... **Sri Shivani College of Engineering** .....

from **16/05/2022** to **21/05/2022**

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDD

**MALLIKARJUNA REDDY B**

Executive Director

KPA



Cert No: KPA37/CAD/18102

Design & Constructions

# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Reddi Sudheer

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**

  
Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY  
**MALLIKARJUNA REDDY B**

Executive Director  
KPA

Cert No: KPA39/CAD/18115



# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Korlapu udaykumar

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**

Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY

**MALLIKARJUNA REDDY B**

Executive Director  
KPA



Cert No: KPA14/CAD/21117

Design & Constructions

# C E R T I F I C A T E

This is to certify that : Mr./Ms.

Somireddy Guna Sekhar

has actively participated and successfully completed workshop under Department of Civil Engineering

**Building Drafting Using AutoCAD**

held in **Sri Shivani College of Engineering**

from **16/05/2022** to **21/05/2022**



Digitally signed by  
BANDREDDY  
MALLIKARJUNA REDDY

**MALLIKARJUNA REDDY B**

Executive Director

KPA



# SRI SIVANI COLLEGE OF ENGINEERING

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NH-16, Chilakapalem Jn., Srikakulam Dist -532410.

Date: 06-05-2022

## CIRCULAR

This is to inform that the Department of Computer Science and Engineering is organizing **A Two Week Add-On Program on "BlockChain Technology and Application Development (BLEND)"** during **17-05-2022 to 29-05-2022** to the third year CSE students to enhance their software skills and how to build and administer smart contracts, create both public and enterprise Blockchain technology, learn about Ethereum, Hyper ledger, and more In this regard, I suggest all the 3<sup>rd</sup> year CSE students to enroll this course without fail.

**Venue:** Block -1, CP-LAB, SSCE












**Co-ordinator:** Mrs. K. Sakunthala, Asst.Professor,

Department of Computer Science and Engineering

  
**Principal**

PRINCIPAL  
SRI SIVANI COLLEGE OF ENGINEERING  
Chilakapalem Jn., SRIKAKULAM

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Signature											

CC To: The Management: for information.





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

## Department of Computer Science & Engineering

Academic Year: 2021-22

Date: 06-05-2022

Name of the program: A Two Week Add-On Program on “BlockChain Technology and Application Development (BLEND)”

### PROGRAMME SCHEDULE

S.NO.	DATE	Topics To Be Covered
1	17/5/2022	What is Blockchain and History of Blockchain
2	18/5/2022	Blockchain origins
3	19/5/2022	Bitcoin and Blockchain Data Structures
4	20/5/2022	BitcoinBlockchain Adoption
5	21/5/2022	Concept of Electronic Cash
6	23/5/2022	Benefit of Blockchain
7	24/5/2022	Blockchain Mechanisms
8	25/5/2022	Elements of Blockchain
9	26/5/2022	Explain P2 Network
10	27/5/2022	Different type of Blockchain - Public , Private, Semi-Private
11	28/5/2022	Working of Blockchain Technology and Limitation
12	29/5/2022	Blockchain Training

  
Program Co-Ordinator

  
Head of the Department

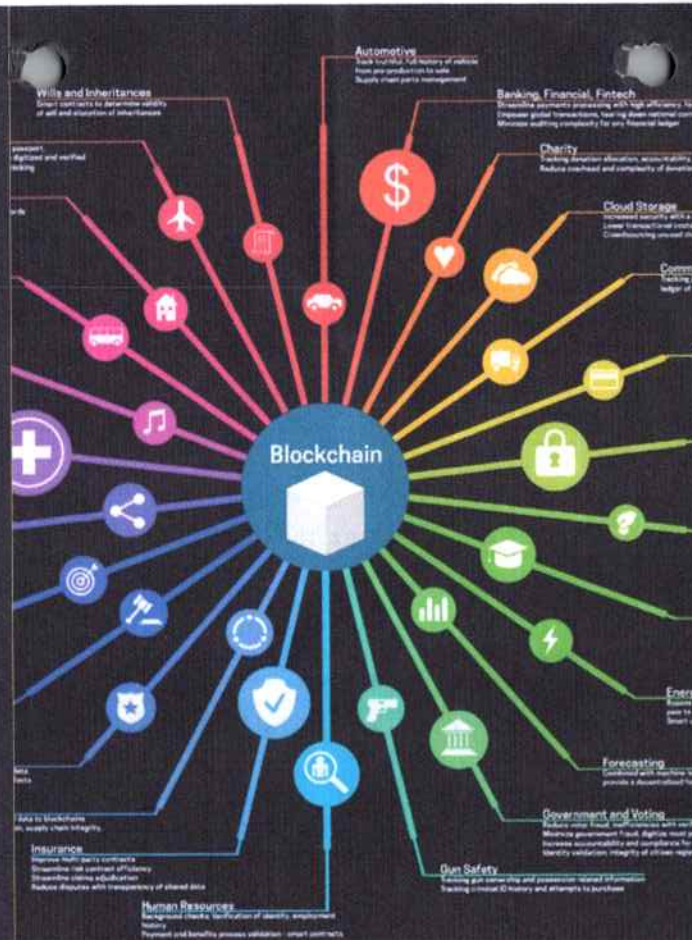






## Objectives of the program:

- Objective of the BLEND is to
- enable engineering students to
- understand Blockchain Technology
- and develop its applications
- Blockchain origins.
- Bitcoin and Blockchain Data Structures.
- Bitcoin Blockchain Adoption.
- Concept of Electronic Cash.
- Benefit of Blockchain.
- Blockchain Mechanism.
- Elements of Blockchain.
- Explain P2 Network.
- Different type of Blockchain - Public ,
- Private, Semi-Private.
- Working of Blockchain Technology and
- Limitation.
- Blockchain Training.



## PROGRAM CONTENT:

- Blend Block-Chain payments has 348 active competitors and it ranks 248th among them. 59 of its competitors are funded while 2 have exited. Overall, Blend Block-Chain payments and its competitors have raised over \$608M in funding across 81 funding rounds involving 460 investors.
- There are 2 private unicorns, 1 public and 1 acquired company.

## A Two-Week Add- On Program on “Blockchain and Application Development (BLEND)”

### REGISTRATION FORM

Participant's Name:

Gender: Male/ Female

Educational  
Qualifications:

Department:

Organization:

Address for  
Communication:

Email:

Phone No:

Date:

Signature of the Participant:





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NH-16, Chilakapalem Jn., Srikakulam Dist -532410.

## Department of Computer Science & Engineering

Academic Year: 2021-22

Date: 17-05-2022

Name of the program: A Two Week Add-On Program on "BlockChain Technology and Application Development (BLEND)".


### List of Enrolled Students

S.No	Roll No	Name Of The Student	Year-Sem	Signature
1	19W61A0501	Allamsetti Likhitha	III-II	A. Likhitha
2	19W61A0502	Alubelli Akhila	III-II	A. Akhila
3	19W61A0503	Appikondabhavana	III-II	A. bhavana
4	19W61A0504	Baga Suraj	III-II	B. Suraj
5	19W61A0505	Basina Bhargavi	III-II	B. Bhargavi
6	19W61A0506	Batna Durga Prasad	III-II	B. Durga prasad
7	19W61A0507	Bejjipuram Indupriya	III-II	B. Indupriya
8	19W61A0508	Biddika Pareso	III-II	B. pareso
9	19W61A0509	Biddika Sampath Kumar	III-II	B. sampath kumar
10	19W61A0510	Sanapala Akanksha	III-II	S. Akanksha
11	19W61A0512	Challapalli Sailaja	III-II	C. sailaja
12	19W61A0513	Chukka Pooja	III-II	C. Pooja
13	19W61A0514	D Pawan Kumar	III-II	D. pawan kumar
14	19W61A0515	Dakara Chandini	III-II	D. Chandini
15	19W61A0516	Datti Nagamani	III-II	D. Nagamani
16	19W61A0517	Doki Sharmila	III-II	D. Sharmila
17	19W61A0518	Dunna Sumalatha	III-II	D. Sumalatha
18	19W61A0519	Dunna Swetha	III-II	D. swetha
19	19W61A0520	Erinjila Chanikya	III-II	E. chanikya
20	19W61A0521	Gangavarapu Uma Maheswari	III-II	G. Uma Maheswari
21	19W61A0522	Vandana Anilkumar	III-II	V. Anilkumar
22	19W61A0523	Garbhana Jyothsna	III-II	G. Jyothsna
23	19W61A0524	Godaba Dileep	III-II	G. Dileep
24	19W61A0525	Gopilli Hymavathi	III-II	G. Hymavathi
25	19W61A0526	Gorle Someswara Rao	III-II	G. Someswara Rao
26	19W61A0527	Gudla Kishore	III-II	G. Kishore
27	19W61A0528	Gundala Manoj Kumar	III-II	G. manoj kumar
28	19W61A0529	Guravana Jyotshna	III-II	G. jyotshna
29	19W61A0530	Jada Pravalika	III-II	J. pravalika
30	19W61A0531	Jalari Keerthi	III-II	J. Keerthi
31	19W61A0532	Janmahanthi Bharathvamsi	III-II	J. Bharathvamsi
32	19W61A0533	Kelam Sanjaykumar	III-II	K. sanjaykumar
33	19W61A0534	Killamsetti Dhanunjayarao	III-II	K. dhanunjayarao
34	19W61A0535	Killana Hiranmai	III-II	K. Hiranmai



35	19W61A0536	Kimidi Supriya	III-II	K. SUPRIYA
36	19W61A0537	Kinjarapu Sai Prasuna	III-II	K. Sai prasuna
37	19W61A0538	Kondana Bhagyasri	III-II	K. Bhagyasri
38	19W61A0539	Korada Jaya Santosh	III-II	K.J. Santosh
49	19W61A0540	Kottavalasa Ramesh Naidu	III-II	K. Ramesh Naidu
40	19W61A0541	Koyyana Sai Mythree	III-II	K. sai MYTHREE
41	19W61A0542	Kuriti Suneel Kumar	III-II	k. suneel kumar
42	19W61A0543	Ladi Anila	III-II	L. Anila
43	19W61A0544	Laveti Bhanu	III-II	L. Bhanu
44	19W61A0545	Lingam Mounika	III-II	L. Mounika
45	19W61A0546	Lokonda Ganesh	III-II	L. Ganesh
46	19W61A0547	Makka Venkatesh	III-II	M. Venkatesh
47	19W61A0548	Mangi Srujana	III-II	M. Srujana
48	19W61A0549	Marpu Kailash	III-II	m. Kailash
49	19W61A0550	Nakka Divya	III-II	n. Divya
50	19W61A0551	Neelapu Sujatha	III-II	N. Sujatha
51	19W61A0552	Pala Sneha Reddy	III-II	P. Sneha Reddy
52	19W61A0553	Pattika Sahul	III-II	P. Sahul
53	19W61A0554	Pilli Naveen Kumar	III-II	P. Naveen Kumar
54	19W61A0555	Polaki Ajay	III-II	P. Ajay
55	19W61A0556	Potnuru Sreeja	III-II	P. Sreeja
56	19W61A0557	Putta Madhavi Latha	III-II	P. MADHAVI LATHA
57	19W61A0558	Pydi Sireesha	III-II	P. Sireesha
58	19W61A0559	Pyla Saritha	III-II	P. Saritha
59	19W61A0560	Ranastala Chandra Sekhar	III-II	R. C. Sekhar
60	19W61A0561	Ratti Suguna	III-II	R. Suguna
61	19W61A0562	Ravuri Lavanya	III-II	R. Lavanya
62	19W61A0563	Rayi Yamini	III-II	R. Yamini
63	19W61A0564	Reddi Deepti	III-II	R. Deepti
64	19W61A0565	Runku Harshita	III-II	R. Harshita
65	19W61A0566	Sakalabakthula Hima Varshini	III-II	S. H. Varshini
66	19W61A0567	Billada Rani	III-II	B. RANI
67	19W61A0568	Sanapala Jhansi	III-II	S. Jhansi
68	19W61A0570	Savara Arun Kumar	III-II	S. Arunkumar
69	19W61A0571	Sayyed Abdul Mallick	III-II	S. A. MALLICK
70	19W61A0572	Siripuram Sai	III-II	S. Sai
71	19W61A0573	Suggu Gajendar Reddy	III-II	S. G. Reddy
72	19W61A0574	Sunkari Lakshmi	III-II	S. Lakshmi
73	19W61A0575	Punyapu Venkata Sai Rakesh	III-II	P. V. S. Rakesh
74	19W61A0576	Tangudu Kavya	III-II	T. Kavya
75	19W61A0577	Thota Manohar	III-II	T. manohar
76	19W61A0578	Vaigala Lokesh	III-II	V. Lokesh
77	19W61A0579	Vajrala Rohanthasai	III-II	V. Rohanthasai
78	19W61A0580	Valla Purnima	III-II	V. Purnima
79	19W61A0581	Ganni Kusuma	III-II	G. Kusuma
80	19W61A0582	Vandana Yamuna	III-II	V. Yamuna
81	19W61A0584	Yabaji Dileep	III-II	Y. Dileep
82	19W61A0585	Yaganti Chandrasekhar	III-II	Y. Chandrasekhar
83	19W61A0586	Yapara Sathvika	III-II	Y. Sathvika
84	19W61A0587	Yavarna Navyasri	III-II	Y. NAVYASRI

85	19W61A0588	Yavvari Sai Teja	III-II	Y. Sai Teja
86	19W61A0589	Yelamanchili Sankeerthana	III-II	Y. Sankeerthana
87	19W61A0590	Neeladri Saidivya	III-II	N. Saidivya
88	20W65A0501	Adapaka Ramya	III-II	A. Ramya
89	19MC1A0547	Karri Prabhakara Rao	III-II	K. Prabhakara Rao
90	19511A0505	Bypothu Mani Venkata Rohith	III-II	B.M.V. Rohith
91	19511A0507	Pereddi Meghana	III-II	P. Meghana

  
Program Co-Ordinator

  
Head of the Department





















84	19W61A0587	Yavarna Navyasri	P	P	P	P	P	P	P	P	P	P	P	P
85	19W61A0588	Yavvari Sai Teja	P	P	P	P	P	P	P	P	P	P	P	P
86	19W61A0589	Yelamanchili Sankeerthana	P	P	P	P	P	P	P	AB	P	P	P	P
87	19W61A0590	Neeladri Saidivya	P	P	AB	P	P	P	P	P	P	P	P	AB
88	20W65A0501	Adapaka Ramya	P	P	P	P	P	P	P	P	P	P	P	P
89	19MC1A0547	Karri Prabhakara Rao	P	P	P	P	P	AB	P	P	P	P	P	P
90	19511A0505	Bypothu Mani Venkata	P	P	P	P	P	P	P	P	P	P	P	P
91	19511A0507	Pereddi Meghana	P	P	P	P	P	P	P	P	P	P	P	P
Signature :														

  
Program Co-Ordinator



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410.

## Department of Computer Science & Engineering

Academic year: 2021-2022

Date: 31-05-2022

### PROGRAM REPORT

**Name of the Program:** A Two Week Certificate Program on “**Blockchain and Application Development (BLEND)**”

**Program Duration:** 17-05-2022 to 29-05-2022

**Details of the Resource Person:** Mrs. P. Priyanka, M. Tech  
Assistant Professor  
Dept. of C.S.E.  
priyankapinki233@gmail.com  
9390087081

**Details of the Program Co-Ordinator :** Mrs. K. Sakunthala, M. Tech  
Assistant Professor  
Dept. of C.S.E.  
sasigmr@gmail.com  
9505089127

#### **Objectives of the program:**

- Objective of the BLEND is to enable engineering students to understand Blockchain Technology and develop its applications.

#### **Topics covered:**

- What is Blockchain and History of Blockchain.
- Blockchain origins.
- Bitcoin and Blockchain Data Structures.
- Bitcoin Blockchain Adoption.
- Concept of Electronic Cash.
- Benefit of Blockchain.
- Blockchain Mechanism.



- Elements of Blockchain.
- Explain P2 Network.
- Different type of Blockchain - Public , Private, Semi-Private.
- Working of Blockchain Technology and Limitation.
- Blockchain Training.



**Outcome of the program:**

- Develop block chain based solutions and write smart contract using Ethereum Framework.

**Number of Participants: 91**

  
**Program Co-Ordinator**

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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Jalari Keerthi bearing roll no  
19CG1A0531 of 3<sup>rd</sup> year II Semester has completed A Two-Week Add-On Program on “Block Chain  
Technology and Application Development (BLEND)” during the period 17-05-2022 to 29-05-2022  
organized by Department of Computer Science & Engineering

CO-ORDINATOR

HOD

PRINCIPAL



# SRI SIVANI COLLEGE OF ENGINEERING



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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Doki Sharmila bearing roll no  
19W261A0517 of 3<sup>rd</sup> year II Semester has completed A Two-Week Add-On Program on “Block Chain  
Technology and Application Development (BLEND)” during the period 17-05-2022 to 29-05-2022  
organized by Department of Computer Science & Engineering

CO-ORDINATOR

HOD

PRINCIPAL

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NH-16, Chilakapalem Jn., Srikakulam Dist, Andhra Pradesh -532410

## PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Baga Suraj bearing roll no  
19W61A0504 of 3<sup>rd</sup> year II Semester has completed A Two-Week Add-On Program on “Block Chain  
Technology and Application Development (BLEND)” during the period 17-05-2022 to 29-05-2022  
organized by Department of Computer Science & Engineering

  
\_\_\_\_\_  
CO-ORDINATOR

  
\_\_\_\_\_  
HOD

  
\_\_\_\_\_  
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## PARTICIPATION CERTIFICATE

This is to certify that Mr./Ms. Allamsetti Likhitha bearing roll no  
19W61A054 of 3<sup>rd</sup> year II Semester has completed A Two-Week Add-On Program on “Block Chain  
Technology and Application Development (BLEND)” during the period 17-05-2022 to 29-05-2022  
organized by Department of Computer Science & Engineering

  
\_\_\_\_\_  
CO-ORDINATOR

  
\_\_\_\_\_  
HOD

  
\_\_\_\_\_  
PRINCIPAL