



## **SRI VENKATESWARA COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)

**Karakambadi Road, Tirupati-517507**

### **MECHANIX**

**JULY-DECEMBER 2019 Volume-7, Issue-1**

Phone: 8886644964 Website: [www.svce.edu.in](http://www.svce.edu.in) E-mail: [hod\\_me@svce.edu.in](mailto:hod_me@svce.edu.in)

**2019 – 2020 ODD Semester**

**DEPARTMENT OF ME**

#### **Vision of Department:**

To impart knowledge with global perspectives in pursuit of excellence in Mechanical Engineering Education, Entrepreneurship and Innovation.

#### **Mission of Department:**

M1: To inculcate students with leadership skills with high level of integrity & ethical values for team building and team Work.

M2: To mold the young dynamic potential minds into full-fledged future professionals through effective teaching-learning Techniques & industry – institute collaboration.

M3: To serve the society through innovation and excellence in teaching and research.

#### **Program Educational Objectives**

PEO1: Graduates can demonstrate technical competence in Mechanical Engineering domain as they apply problem solving skills to conceive, analyze, design and develop products, processes and systems.

PEO2: Graduates can actively embrace leadership roles and strive hard to achieve professional and organizational goals with adherence to professional and ethical values, team expectations and sensitivities of cultural diversity.

PEO3: Graduates are committed to practice engineering strategies in industry and government organizations to meet the growing expectations of the Stakeholders and also contribute to the societal development.



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#### 1. Events & Activities (Organized) :

- Andhra Pradesh State Skill Development Corporation Introduces “Innovation on Wheels” “The Festo Mobile Expotainer” Latest product application of Pneumatic Technology on Industrial Automation devices carrying automobile visit to S.V.College of Engineering on 21<sup>st</sup> October 2019.



#### ➤ Workshops/Seminars/Conferences

##### Workshops:

- A One week workshop was conducted on “AUTOCAD” for II ME students from 05-08-2019 to 10-08-2019 and the resource persons are Mr. A.V.B. Sujith & Miss. A.Sumohana, APSSDC.





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- A One week workshop was conducted on “NC-PROGRAMMING” for IV ME students from 19-08-2019 to 24-08-2019 and the resource persons are Mr. P.Siva Sankar, Service Engineer, SIEMENS, Design Tech Pvt., Ltd., APSSDC.



- A One week workshop was conducted on “SOLID EDGE” for III ME students from 05-08-2019 to 10-08-2019 and the resource persons are Mr. A.V.B. Sujith & Miss. A.Sumohana, APSSDC.



- A One week workshop was conducted on “NC-PROGRAMMING” for IV ME students from 30-9-2019 to 05-10-2019 and the resource persons are Mr. P.Mohan Kumar, SIEMENS, at S.V.University, Tirupathi.





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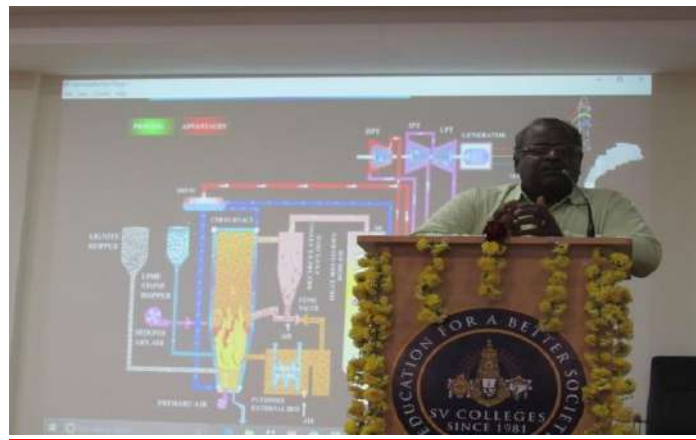
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### SEMINARS CONDUCTED

- Department conducted a Seminar on “**Thermal Engineering**” by Resource Person Er. T. Madhevan Pillai, Principal director, Merc Training Academy, Training and Staffing (MTATAS), Chennai, held in SV College of Engineering on 16<sup>th</sup> September 2019.



### FDPS CONDUCTED

- ME Department conducted a Four Day Faculty Development Program on “**3D-Experience**” by Department of Mechanical Engineering, S.V.College of Engineering, Tirupati, in association with Dassault Systems and APSSDC held in SV College of Engineering on 17<sup>th</sup> to 22<sup>nd</sup> July 2019. Resource persons are Mr. G.Guru Mahesh & Mr.S.Madhu sudhan , Assistant Professor, Department of Mechanical Engineering, SVCE.







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- ME Department conducted a One Week Faculty Development Program on “**Communication Skills Through ICT**” by Department of Mechanical Engineering, NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.



#### ➤ Industrial Visits:

- A One day industrial visit Programme conducted on 15-09-2019 by II ME students to “SHAR” Sriharikota NELLORE.







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8. D.Anjan Kumar Reddy Professor of ME – Completed Online Course One Week Faculty Deveopment Program on **“Energy Conservation & Waste Heat recovery”** held on NPTEL Online Course, Aug – Nov 2019.
9. Dr. B.K.C.Ganesh, Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
10. Dr. M.Vamsi Krishna, Associate Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
11. K.Madhivanan, Associate Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
12. K.Arun, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
13. M.Gopala Krishna, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
14. G.Guru Mahesh, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
15. K.Harshavardhan Reddy, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
16. D.J.Jyothsna Devi, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
17. S.Madhusudhan, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
18. J.Narendra Kumar, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
19. K.Renuga Devi, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Creating Significant Learning Experiences”** held on Sri Venkateswara Engineering College , Tirupati, 01<sup>st</sup> to 07<sup>th</sup> July 2019 in association with Seek.
20. D.Anjan Kumar Reddy, Asst. Professor of ME – attended One Week Faculty Deveopment Program on **“Refrigeration and Airconditioning”** conducted by the Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad., 02<sup>nd</sup> to 07<sup>th</sup> December 2019.



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21. N.Rajesh, Asst. Professor of ME – attended One Week Faculty Development Program on **“Refrigeration and Airconditioning”** conducted by the Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad., 02<sup>nd</sup> to 07<sup>th</sup> December 2019.
22. M.Vamsi Krishna, Assoc. Professor of ME – attended One Day Workshop on **“NIRF Ranking”** conducted by the Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad., 02<sup>nd</sup> to 07<sup>th</sup> December 2019.
23. Dr.M.Chandrasekhara Reddy, Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
24. Dr.B.K.C.Ganesh Assoc. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
25. Dr.M.Vamsikrishna, Assoc. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
26. A.Ajay, Asst.Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
27. D.Anjan Kumar Reddy, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
28. K.Arun, Asst.Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
29. B.Eshwariaha, Assistant Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
30. P.Charan Theja, Asst. Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
31. D.J.Jyothsna Devi, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
32. M.Gopala Krsihna, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.





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33. G.Guru Mahesh, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
34. G.Guru Sai Prasad, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
35. T.Pratheep Reddy, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
36. K.Harshavardhan Reddy, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
37. A.Hemalataha, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
38. S.Jaya Kishore, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
39. J.Narendra Kumar, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
40. P.Punna Rao, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
41. D.Raju, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
42. K.Renuga Devi, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
43. S.Sujitha, Asst. Professor of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.
44. A.Prasanth Reddy, P.G.Scholar of ME participated in One Week Short term course on **“Communication Skills Through ICT”** in association with NITTTR, Chandigarh., held in SV College of Engineering on 16<sup>th</sup> to 20<sup>th</sup> September 2019.



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#### 4. PUBLICATIONS IN CONFERENCES

S.No	Author	Title	Name of the Conference	Volume	Year
1	M.ChandraSekhara Reddy	Enhancement of Heat transfer coefficient in an Automobile Radiator using Ethylene Glycol Water Based Cuo Nano fluids	International Conference on Advances in Renewable Energy and Green Technologies Centre	1	22-24 August 2019

#### 5. PUBLICATIONS IN JOURNALS

S.No	Author	Title	Name of the Journal	Volume	Year
1.	G. Guru Mahesh Dr. M. Chandra Sekhar Reddy	Optimization of WEDM Process Parameters on Machining of AA6082/ Sic Metal Matrix Composites	International Research Journal of Engineering and Technology (IRJET)	Vol.6 Issue.8	August 2019
2.	M. Vamsi Krishna	Mechanical and Microscopic study on Tinospora cordifolia and Tetona grandis Composites	Materials Today: Proceedings		November 2019
3.	N.Rajesh, K.Suresh P.Charan Theja P.Punna Rao T.Pratheep Reddy	Design and Analysis of 3d Printed Gera For Automobile Wind Wiper	International Journal of Recent Technology and Engineering (IJRTE)	Vol.8, Issue 04, Page No. 9302- 9306	November 2019
4.	S.Jaya Kishore M.Gopala Krishna	Experimental Investigation on Precision Machining of	Multiscale and Multidisciplinary Modeling, Experiments and	Vol.5, Issue 12, Page No. 487-494	October 2019



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		Multiple Holes by WEDM on Aluminium-6061 using Genetic Algorithm	Design	
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### 6. PLACEMENTS DETAILS

COMPANY	Students Placed	Location	Designation	Package
BOSCH Ltd	01	Hyderabad	Graduate Engineer Trainee	4,50,000
Infosys Pvt Ltd	02	Chennai	Software Engineer	3,00,000
Cyient Ltd	01	Hyderabad	Graduate Engineer Trainee	3,00,000
Indo Mim India Pvt Ltd	03	Bangalore	Graduate Engineer Trainee	3,50,000
Amararaja Batteries Ltd	04	Tirupati	Graduate Engineer Trainee	3,00,000
Woosu Automobiles India Pvt Ltd.,	03	Chennai	Graduate Engineer Trainee	1,80,000
Grama Sachivalayam	4	Chittoor	Engineering Assistant	1,80,000
Wonjin Auto Parts Pvt Ltd	12	Chennai	Graduate Engineer Trainee	1,20,000

### 7. Students Academic Achivements and Excellence

(i) **Toppers List**

Roll Number	Student Name	Year	Percentage
16BF1A0358	MALIGELI YASMEEN	III-II	86.67
16BF1A0368	MUNIRATHNAM SAGAR	III-II	84.19
17BF5A0331	SHAIK THAMEEM ANSARI	III-II	84.38
17BF1A0357	MORAM HARI SAINADH REDDY	II-II	84.56
17BF1A0348	KURAKAYULU AKHIL	II-II	83.56
18BF5A0312	NANDYALA	II-II	82.67



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	VENKATA HEMA		
18BF1A0306	ATHIKAYALA REDDAPPA	I-II	85.00
18BF1A0301	A ARUNACHALAM	I-II	84.00
18BF1A0385	PUTHALAPATTU RUPESH	I-II	84.00

#### (ii) Prathibha Awards

Name of the Student	Roll Number	Branch	Percentage (%)	Remarks
A.Chandana	15BF1A0308	ME	82.22	Prathibha Award

#### (iv) Details of Students who win Prizes related to Academics

- P Venkat. Pavan, has presented a Technical paper at Madha Engineering College, Chennai and Won First Prize on 20<sup>th</sup> September 2019.
- P.Venkat Pavan, has got First Prize in Technical Quiz held at Madha Engineering College on 20<sup>th</sup> September 2019.

#### Faculty Achivements

1. Dr.B.K.C Ganesh as Resource person for “AICTE-ON ADVANCES IN MATERIALS AND MANUFACTURING TECHNOLOGY” Organized by the Department of Mechanical Engineering, SV RGM, Nandyala, Tirupati, during 11<sup>th</sup> & 23<sup>rd</sup> November 2019.
2. Dr.Madhivanan, Associate Professor awarded with Doctorate of Philosophy from Anna University, Chennai on December 2019.

#### 8. Research – Funding Projects

- Dr. M. Chandra Sekhara Reddy, Professor & HOD, SV College of Engineering, for his proposal to conduct Short Term Training Program me-STTP on “ Nano Technology and Functional Materials” Approved Rs.3,73,000/- by AICTE.





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#### IEDC PROJECTS:

S.No	Roll Number	Names	Budget	Project Title	Status
1	17BF1A0389	P.Nikhil	Rs.25,000/-	Automatic Underground Crop Plucking Machine	ON GOING
2	17BF1A0399	S.Upendra Venkatesh			
3	18BF5A0315	P.Ajith Kumar			
4	17BF1A0380	P.M.Pavan Kumar			
5	18BF5A0316	P.Rudra Shiva			

S.No	Roll Number	Names	Budget	Project Title	Status
1	18BF1A0348	K.Vamsi Krishna	Rs.25,000/-	Remote Controlled Marking Machine	ON GOING
2	18BF1A0322	D.Hemanth Kumar			
3	18BF1A0306	A.Reddappa			

#### Editorial Board

Head of the Department : Dr. M.Chandra Sekhara Reddy, Professor & Head, M.E

Staff Advisory Committee : Mr. S.Jaya Kishore, Assistant Professor, Dept. of M.E

Editors : M.Sunil, IV M.E

: A. Ram Dinesh, III M.E