

Name of the activity and date	Number of participants	Number of days	Faculty incharge of that event	Brief description of the event (a paragraph) and supporting photos as attachments
<b>YEAR 2016</b>				
<b>PACE 2016</b>	<b>12</b>	<b>4</b>	<b>Dr. V RAMESH</b>	<p><b>2016 PACE</b></p> <ol style="list-style-type: none"> <li>1. Reconfigurable Shared Use Mobility Systems (RSMS)</li> <li>2. Collaboration &amp; Innovation Challenge (CIC)</li> <li>3. Connected Mobility Design</li> </ol> <p>SJCE team comprising of Mr. Muhammed Anshad, Sanganagouda, Kishan, ChethanaNaik carried out the Design and analysis phase of the project and assisted the other team members in building a prototype “Konnect” and successfully presented the configurability features of their concept. This project was very well appreciated by the PACE for its innovative ideas and this work was jointly guided by Dr. V.Ramesh, Dr. R.Srinidhi and Prof. V.Basavaraj.</p> <p>John Pao, Kishan, Mayur, Varun Raaj and Kale Tukaram cleared <b>NX modeling Basic Certification Examination</b> and 10 students were given the training on NX Modelling during 16<sup>th</sup> to 24 July 2016.</p>
<b>YEAR 2017</b>				
<b>PACE 2017</b>	<b>12</b>	<b>4</b>	<b>Dr. V RAMESH</b>	<p><b>2017 PACE</b></p> <ol style="list-style-type: none"> <li>1. Reconfigurable Shared Use Mobility Systems (RSMS) - II</li> <li>2. Collaboration &amp; Innovation Challenge (CIC)</li> </ol>
25-03-2017 “IP Career”	<b>53</b>	<b>1</b>	Dr. Manjunatha B	<p>“IP Career” is a student beneficiary activity conducted in the department of Industrial &amp; Production Engineering every year, in order to help the students to understand the activities regarding placements. This event is conducted especially for Pre-Final &amp; 2<sup>nd</sup> year students to make them aware of placements procedure &amp; to make them comfortable &amp; help them to face the interview with confidence.</p> <p>Placed students of 8<sup>th</sup> semester</p>

				and the Alumni of our department will share their experience regarding placements and explain the students the different segments of placements & career opportunities. They try to help students to understand the procedure for applying for higher education overseas, preparation for placements, public services & the working environment industries. It will boost the confidence of students and will help to break the pre-assumed myths, hesitations & fear about placements.
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**YEAR 2018**

<b>PACE 2018</b>	<b>12</b>	<b>4</b>	<b>Dr. V RAMESH</b>	<p>PACE 2018 – a global forum of PACE partners and institutions was held in General Motors Head Quarters in Warren, Detroit, Michigan State, USA from July 22 – 25, 2018.</p> <p>Students of SJCE participated in <b>PersonalUrban Mobility Access (PUMA)</b> project in Team 3 - comprising of Escola Politécnica Da Universidade De São Paulo, Sao Paulo, Brazil, Instituto Mauá De Tecnologia Rheinmain University of Applied Sciences, Mauva, People's Education Society University, Bengaluru National Institute of Design, Ahmedabad, <b>Sri Jayachamarajendra College of Engineering, Mysuru</b> and Michigan Technological University, Michigan, USA.</p> <p>Students and faculty member were sponsored by PACE and the JSS management. Other students of SJCE Team Ashish V Hegde &amp; Rakshit Baliga also contributed in the design and analysis of the CELOT vehicle.</p>
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**YEAR 2019**

<b>IDEEA 2019</b>	<b>12</b>	<b>4</b>	<b>Dr. V RAMESH</b>	<p><b>IDEEA – International Design and Engineering Education Association, IDEEA</b> is a non-profit organization of institutions. More than 20 universities worldwide team up to create a unique educational experience for engineering and design students.</p> <p>Following the long and successful tradition of PACE (Partners for the</p>
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				<p>Advancement of Collaborative Engineering Education), IDEEA hosts annual forums to provide a platform for academia, students and industry to meet, exchange ideas, foster collaboration and make new friendships.</p> <p>Each year the Forum takes place at a different member institution. In 2019, the IDEEA Forum was held at Tec de Monterrey, Mexico. <b>Due to COVID pandemic, IDEEA presentations conducted in online mode.</b></p>
16 Feb 2019 Invited Talk on material Science and Technology	50+	1	Dr. SAVITHA M	<p>The main aim of this talk was to give the students a better understanding of the properties and applications of various materials and how these materials are being used in day to day life in different engineering applications.</p> <p>The topics addressed by Mr. Balawat included:</p> <ul style="list-style-type: none"> <li>-Classification and application of steel based on the amount of carbon content.</li> <li>-Variation in properties of steel when other materials like Chromium, Tungsten etc.</li> <li>-Further he explained the Iron-Carbon diagram and TTT diagram and its real-time application in the industry.</li> </ul> <p>Throughout the talk Mr. Balawat induced valuable knowledge in the students by giving lots of examples and focused on making the students to think at the most basic level and asked them to relate whatever they learned to their surroundings for better understanding. At the end the students were given an opportunity to ask their doubts and any other questions related to the topic. The talk was highly interactive and the students found it extremely beneficial.</p>
<b>16.2.2019 invited talk by 'Value 1.0 leading to Industry 4.0'</b>	56	1	Dr V Ramesh & Manjunatha B	<p>A talk was arranged by the Department of Industrial and Production engineering on 16th march on the topic 'Value 1.0 leading to Industry 4.0' by Mr. S Badri Narayana. The talk started at 2:30 p.m. and concluded at 5:30 p.m. The talk was</p>

				<p>attended by the students of 6<sup>th</sup> &amp; 4<sup>th</sup> semester.</p> <p>The talk began with Mr. S Badri Narayana giving an example of how the various industries and service providers work to satisfy the customers' needs and continuously improve their customer service. He then spoke about the four different eras of industries starting from industry 1.0 which was a transition from manual working to mechanized working. Industry 2.0 was the era of mass production and Henry Ford was one of the pioneers of this era (1920's). Automation started gaining importance during Industry 3.0. But the problem was that none of these automated machines were integrated i.e. they were unconnected pieces of machinery that could not 'communicate' with one another. Right now the industries are going through a transition from industry 3.0 to Industry 4.0. Industry 4.0 is a name given to the current trend of automation and data exchange in manufacturing technologies.</p>
<p><b>23.2.2019</b>  <b>Invited Talk</b>  on 'Advances in Manufacturing Technology'</p>	<b>60</b>	<b>1</b>	<p>Prof. Manjunatha B and Dr. T R Srinivas</p>	<p>A talk was arranged by the Department of Industrial and Production engineering on 23rd February on the topic 'Advances in Manufacturing Technology' by Mr. M.S Chandrashekar. The talk started at 10 a.m. and concluded at 2 p.m. The target audience of the talk was students of 6th semester students.</p> <p>Mr Chandrashekar explained briefly about the case study conducted on the cracking of the frame of a car when it was pressed and bent to the required shape. He explained in detail the steps that need to be followed in order complete a project successfully and briefly spoke about each point.</p>
<p>24<sup>th</sup> April 2019  One Day workshop  Conducted on  "Calibration of  Advanced</p>	<b>58</b>	<b>1</b>	<p>Mr.Karibasavaraja.  D</p>	

Metrology Instruments BY “NABL”B’lore				
06 <sup>th</sup> to 10 <sup>th</sup> August 2019 “Work Study Professional”	<b>54</b>	<b>5</b>	Dr. V Ramesh Dr. Manjunatha B and Dr. Skanda M G	Training on Work Study Professional (WorkPro) included aspects of time and motion study analysis using software with an emphasis on case studies related to industrial set-ups. WorkPro is an integrated software for time and motion study analysis using the multimedia technology with a back end RDBMS database. Software simplifies the concepts of work-study itself and makes it fully useful for doing 'Lean' improvements in the organization like - Kaizen, SMED, Line Balancing, Video timer study, 5S.
16 <sup>th</sup> August 2019 “Awareness Program on Renewable Energy”	<b>90</b>	<b>1</b>	Dr. Savitha M and Mrs. Sowmya C	Mr. Dinesh Kumar D.K Project Engineer, KREDL He gave us detailed picture about what are the energy resources and how to use and also he explained the projects for students from the govt i.e, KRDEL sponsored projects and for the public also the organization is helping out in setting up the solar light and solar geezers for houses.
19 <sup>th</sup> Aug 2019 to 23 <sup>rd</sup> Aug 2019 One week FDP on Advanced Quality Approach for Industry 4.0	<b>70</b>	<b>5</b>	Dr. Savitha M and Mrs. Sowmya C	One Week Workshop on Advanced Quality Approach for Industry 4.0 was organised in IP seminar Hall. Many session were held by different industry persons like Introduction to quality and quality systems by Mr. Satyendra. O.D, Vice President Operations, VST Tillers Tractors Ltd. Mysuru, Creativity and Experiences in Innovation by Mr. Dwarkanatha B.G, former CEO, TITAN, Quality Control of Welds by Dr. ShivanandaNayak, NITK, Surathkal, Quality Approach in Manufacturing Aerospace Structures by Dr. Sham Rao, Sr. Scientist, NAL, Consultant, Infosys, Bangalore, Modularity in design by Mrs. RashmiHundekari, Principal Scientist, C-CADD, CSIR - NAL, Bangalore and so on and they imparted the knowledge to our students and faculties by many case studies. Advanced digital technology is already used in manufacturing, but with Industry 4.0, it will transform production.

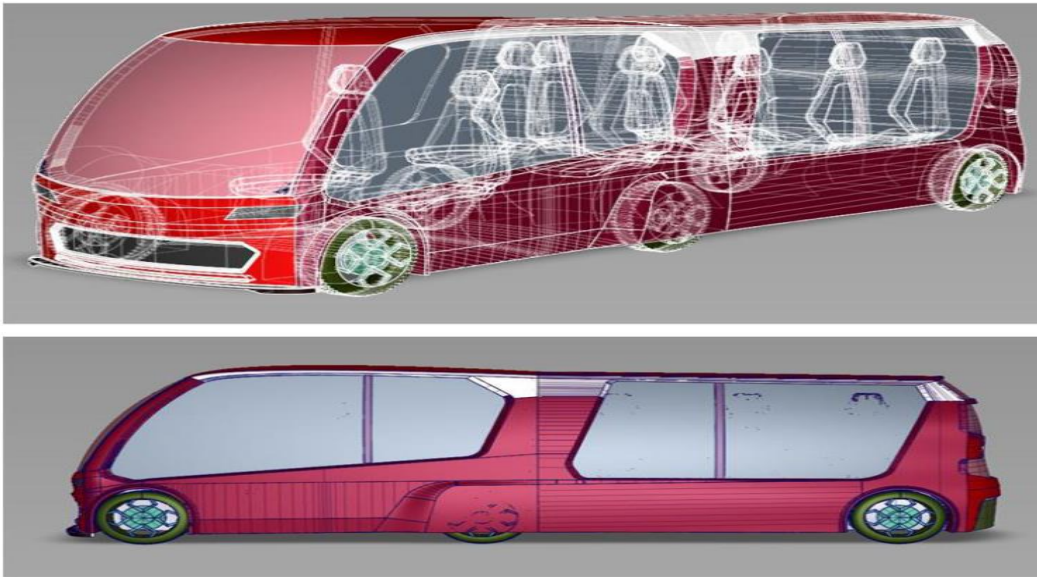
				<p>It will lead to greater efficiencies and change traditional production relationships among suppliers, producers, and customers as well as human and machine.</p> <p>At end of the FDP program an Industrial visit to Automotive Axles was arranged and students were exposed to practical application of the concepts in Industry.</p>
<p>26<sup>th</sup> to 31<sup>st</sup> August 2019 One Week Workshop on <i>“Value 1.0 &amp; Lean Thinking Inventive Problem Solving through TRIZ”</i></p>	<b>52</b>	<b>5</b>	<p>Dr. V Ramesh, Dr.Manjunath B, Mr.Skanda M.G</p>	<p>One Week Workshop on “Value 1.0 &amp; Lean Thinking Inventive Problem Solving through TRIZ” was Organised by IP department. The Resource Person imparted knowledge on Triz by conducting Various activities and Hands on practice was giving to the students.</p> <p>Lean thinking is a systematic approach to deliver value to customers and stakeholders. It is about knowledge of people applied with passion to business processes through best practices Finally the workshop concluded with everyone sharing their experiences about the workshop and the distribution of certificates to all the participants.</p>
<p><b>17<sup>th</sup> September 2019</b> <b>Invited Talk:</b> “Management of memory and concentration – challenges and opportunities”</p>	<b>70</b>	<b>1</b>	<p>Mrs. Sowmya C</p>	<p>Department of Industrial and Production Engineering, JSS Science and Technology University had organized an Invited talk on “Management of memory and concentration – challenges and opportunities” and a poster of World Alzheimer’s September month was released by Dr. T R Srinivas, Prof and Head, Dept of I&amp;PE, Dr. Manojkumar, TEQIP III Coordinator, SJCE, and Dr. Hanumanthachar Joshi, Professor and Head, Sarada Vilas College of Pharmacy, Mysore and president of Alzheimer’s and Related Disorders Society of India (ARDSI) Mysuru Chapter.</p> <p>The talk on “Management of memory and concentration – challenges and opportunities” has given insight about different types of memory, how to manage the memory and focus, with some simple activities to check their memory skills, ways to remember things, dos and don’ts during studies etc., were explained, which benefits the students.</p> <p>At the end the students were</p>

				given an opportunity to ask their doubts and any other questions related to the topic. The talk was highly interactive and the students found it extremely beneficial.
<b>YEAR 2020</b>				
<b>IDEEA 2020</b>	<b>12</b>	<b>4</b>	<b>Dr. V RAMESH</b>	<p><b>IDEEA – International Design and Engineering Education Association, IDEEA is</b> a non-profit organization of institutions. More than 20 universities worldwide team up to create a unique educational experience for engineering and design students.</p> <p>Following the long and successful tradition of PACE (Partners for the Advancement of Collaborative Engineering Education), IDEEA hosts annual forums to provide a platform for academia, students and industry to meet, exchange ideas, foster collaboration and make new friendships.</p> <p>Scientific presentations on cutting edge research and education build an essential part of the “IDEEA Forum”. But even more important: It is the event to showcase the outcome and process of the IDEEA Global Collaborative Project. International and interdisciplinary student teams present their product concepts – virtually and physically. They use an additional pre-conference phase to work together in labs and to meet after several months of online collaboration.</p>
<p><b>27July 2020 – 1 Aug 2020 and 8 Aug 2020</b></p> <p><i>Industry Expert Lecture Series (Webinars);</i> <b>‘Essential Skills to become an</b></p>		6	<p>Dr. Dayakar G Devaru and Mr. D Kari Basavaraja</p>	<p>In today’s world of Globalization, skills required to work in an industry is changing every day. As the technology used for manufacturing is moving towards Industry 4.0, the skills required to handle the new technology is also changing. Even though the academia is trying to go in par with the industry, still there is a gap between what industry needs and what the academia is delivering to the present day Engineers. In an attempt to bridge this gap, the Department of Industrial and Production Engineering conducted a week long Expert Talk</p>

<i>Industrial Engineer'</i>				Webinar Series to its students of 4th and 6th Semester. Experts working in Multinational companies with considerable amount of experience in the field relevant to Industrial and Production Engineering were invited to give webinars to our students so that our students had a feel of what skills the global level industries are looking for in them to get hired. Also, an expert from the academia was invited from USA to compliment the industry expertise to give the students a feel for Higher education in foreign countries. The following table gives the details of the experts and the lectures conducted for duration of one week.
13.02.2020  SWACHHTA PAKWADA 2020, Awareness Programme on "Water Conservation and Techniques to Mitigate the Wastage of Water in Day to Day Life"	53	1	<b>Department</b>	Students and Faculty members were sensitized about the importance of keeping the department and its premises clean. To create the sense of cleanliness and importance of water conservation in the minds of students and faculty members of I&PE, a meeting was held in Department seminar hall. Students and Faculties were made to take pledge to conserve water and sustain sanitation and hygiene.
<b>YEAR 2021</b>				
IDEEA 2021	12	4	<b>Dr. V RAMESH</b>	<b>IDEEA theme for the year 2021- "Future Mobility"</b>  Students of Department of I&PE and Mechanical Engineering participated in competition organized by International Design and Engineering Education Association (IDEEA) and have won prizes. Projects were carried out by students under the mentorship of Dr. V Ramesh, Professor, Dept. of I&PE, Dr. R Srinidhi Professor, Dept. of Mechanical Engineering and Mr. V Basavaraj, Associate Professor, Dept. of Mechanical Engineering and Dr. Skanda M G, Assistant Professor, Department of I&PE.

<b>TEQIP BADRINARA YAN CS MS RENGANATH AN</b>				

**2016 PACE – Mentor – Dr V.Ramesh**



*Figure 6- 4: Alias Model*

**Final assembly:**



*Figure 5.7: HIGS-VC Complete Setup (modelled using NX 10)*



25-03-2017 "IP Career"



Inauguration program of IP Career

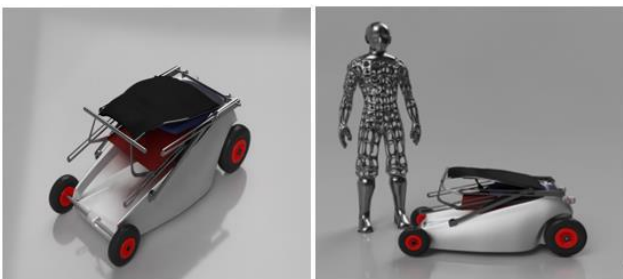
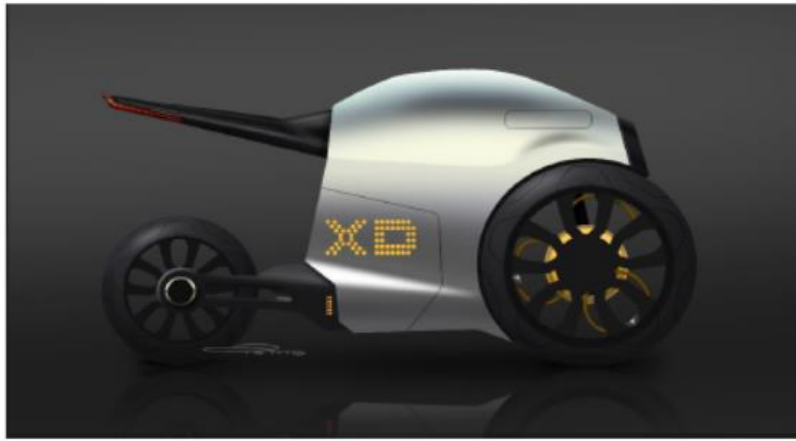


Alumni of our department sharing their experience regarding placements



Students attending the session

**2018 PACE – Mentor – DrV.Ramesh**



**TEAM 3 - PACE**





**16 Feb 2019      Invited Talk on material Science and Technology**



**Dr. Savitha M introducing the Speaker**



**Students and Faculties attending the session**



**Dr. Savitha M concluding the session (valedictory program).**

**16.2.2019 invited talk by 'Value 1.0 leading to Industry 4.0'**



**Mr Badri Narayana lecture on Value 1.0 leading to Industry 4.0**

**23.2.2019**

**Invited Talk on 'Advances in Manufacturing Technology'**



**24<sup>th</sup> April 2019**

**One Day workshop Conducted on Myself “Calibration Of Advanced Metrology Instruments BY “NABL”B’lore**



**One Week Workshop “Work Study Professional”**

**06.08.2019 to 10.08.2019**



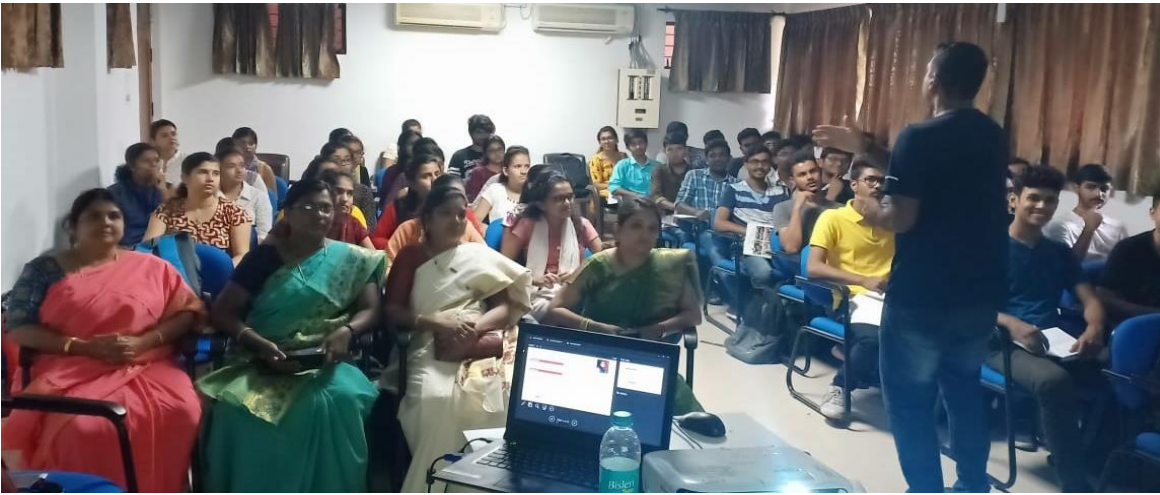


**19<sup>th</sup> Aug 2019 to 23<sup>rd</sup> Aug 2019**

**One week FDP on Advanced Quality Approach for Industry 4.0**



**THE INAUGURAL FUNCTION**



Students and Faculties attending the session



Industrial Visit to Automotive Axles.

26<sup>th</sup> to 31<sup>st</sup> August 2019

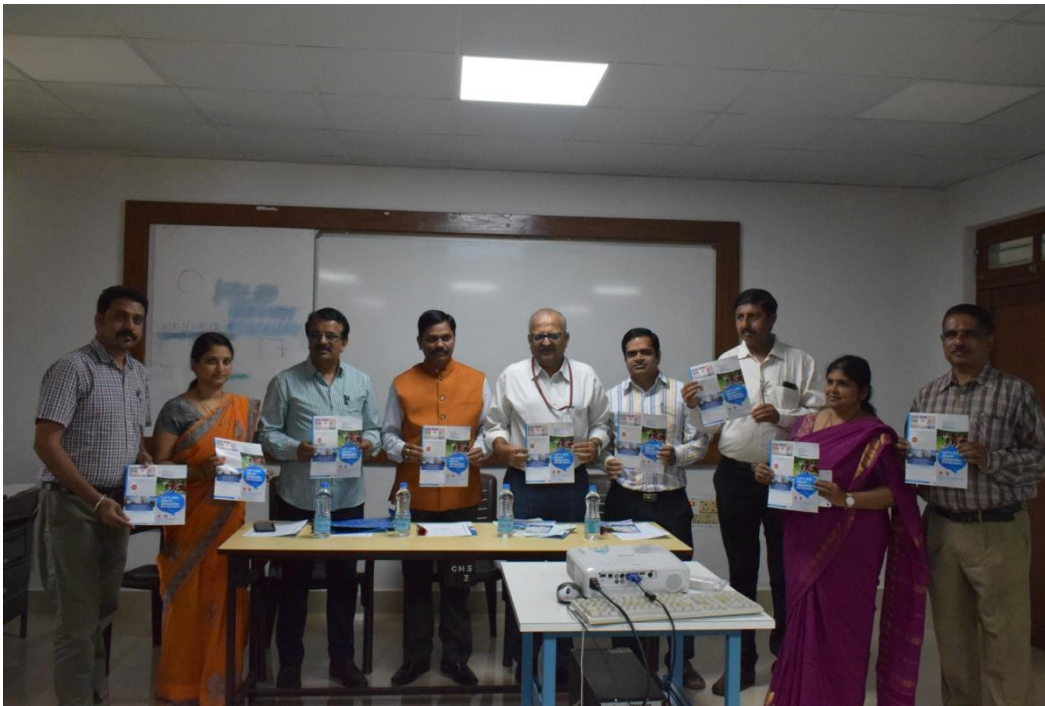
One Week Workshop on “Value 1.0 & Lean Thinking Inventive Problem Solving through TRIZ”





**17<sup>th</sup> September 2019**

**Invited Talk: “Management of memory and concentration – challenges and opportunities”**



Poster of World Alzheimer's September month was Released.



Students and Faculties attending the session

### Idea 2020


## IDEA GLOBAL COMPETITION – 2020

### Winners List from JSSSTU, Mysuru

TEAM	AWARD CATEGORY	TEAM MEMBERS (JSSSTU)	BRANCH
A1	<ul style="list-style-type: none"> <li>• Best Design – 1<sup>st</sup> place</li> <li>• Best Product Award – 3<sup>rd</sup> place</li> </ul>	<ul style="list-style-type: none"> <li>• Bhavyashree AC</li> <li>• Mohan S</li> </ul>	Industrial & Production Engineering
B2	<ul style="list-style-type: none"> <li>• Best Product Innovation</li> <li>• Best Design – 2<sup>nd</sup> place</li> <li>• Best Presentation</li> <li>• Best Product Award – 2<sup>nd</sup> place</li> </ul>	<ul style="list-style-type: none"> <li>• Chandana SK</li> <li>• Vaishnavi K</li> </ul>	Industrial & Production Engineering
C3	<ul style="list-style-type: none"> <li>• Best Engineering – 2<sup>nd</sup> place</li> </ul>	<ul style="list-style-type: none"> <li>• Benki Snehal</li> <li>• Ranjini Narasimha</li> </ul>	Industrial & Production Engineering
I9	<ul style="list-style-type: none"> <li>• Best Engineering – 1<sup>st</sup> place</li> <li>• Best Product Readiness</li> <li>• Best Collaboration</li> <li>• Best Product Award – 1<sup>st</sup> place</li> </ul>	<ul style="list-style-type: none"> <li>• Mohammed Arfathulla Sadiq</li> <li>• Prajwal JT</li> </ul>	Mechanical Engineering

**27 July 2020 – 1 Aug 2020 and 8 Aug 2020**

*Industry Expert Lecture Series (Webinars); 'Essential Skills to become an Industrial Engineer'*


**JSS Mahavidyaapeetha**  
**JSS SCIENCE AND TECHNOLOGY UNIVERSITY**  
 Sri Jayachamarajendra College of Engineering  
 JSS Technical Institutions Campus  
 Mysuru – 570006, Karnataka

**With the divine Blessings of His Holiness Jagadguru**  
**Shri Shivarathri Deshikendra Mahaswamiji**  
 President, JSS Mahavidyaapeetha, Mysuru

*You are cordially invited to the Industry Expert Lecture Series for students tilted*  
**‘Essential Skills to become an Industrial Engineer’**  
*A TEQIP – III initiative*  
 Organized by Dept. of Industrial & Production Engineering

**Patrons:**

**Dr. L. Jawahar Nesan**, Vice Chancellor, JSSSTU  
**Dr. K. S. Lokesh**, Registrar, JSSSTU  
**Dr. T. N. Nagabhushana**, Principal, & Dean, SJCE & JSSSTU

**Expert Talk Sessions**

<p><b>Mr. Vedamurthy Mallikarjunaswamy</b> Program Management Leader Ingersoll Rand (India) Limited, Ahmedabad <b>‘Project Management Basics’</b> (27/07/20 at 1: 00 p.m.)</p> <p><b>Mr. Anil Phadke</b> Program Manager Eaton, Pune <b>‘Management Skills for an IE’</b> (30/07/20 at 10: 00 a.m.)</p> <p><b>Mr. Sandeep Singh</b> Head Finance Global Quality &amp; RPA CoE Hewlett Packard Enterprise, Bengaluru <b>‘Digital Transformation with Robotics’</b> (01/08/20 at 11: 00 a.m.)</p>	<p><b>Dr. Shirish Kala</b> Manager, Clark Fixture Technologies India Pvt Ltd., Mysuru <b>‘Design &amp; Manufacturing of Fixtures’</b> (28/07/20 at 11: 00 a.m.)</p> <p><b>Mr. Mahesh V. Iyer</b> Executive Director, Manufacturing Operations, NCR Corporation, Chennai <b>‘Work Skills for the Future’</b> (31/07/20 at 11: 00 a.m.)</p> <p><b>Dr. Dr. Deepak Gupta</b> Associate Chair IMSE, Wichita State University, USA <b>‘Energy Management &amp; Sustainability’</b> (08/08/20 at 10: 00 a.m.)</p>
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Link for joining the Webinar: <https://meet.google.com/tjh-xrp-paq>

**Chief Coordinators**  
**Dr. T R Srinivas**, Prof & Head, IP Dept  
**Dr. V Ramesh**, Prof, IP Dept

**Coordinators**  
**Dr. Dayakar G. Devaru**, Prof, IP Dept  
**Mr. D. Kari Basavaraja**, Asst. Prof, IP Dept

**SWACHCHTA PAKWADA 2020**, Awareness Programme on “Water Conservation and Techniques to Mitigate the Wastage of Water in Day to Day Life”



**Section of Students taking the pledge**



**Faculties taking the water conservation pledge**



**Department of I&PE teaching and non-teaching faculty members taking Covid prevention pledge**

**on Oct 09 2020**



Faculty members along with Students cleaning the premises of the Department

**IDEAA theme for the year 2021- “Future Mobility”**

**Winners List from JSSSTU, Mysuru**

<b>TEAM MEMBERS (JSSSTU)</b>	<b>BRANCH</b>
Name: <u>Mamatha J</u> <b>1st place</b>	Industrial & Production Engineering
Name: <u>Ravikumar M</u> <b>1st place</b>	Industrial & Production Engineering
Name: <u>Vineeth K V.</u> <b>1st place.</b>	Mechanical Engineering