



Shri Siddhrameshwar Education Trust's  
**S.G.BALEKUNDRI INSTITUTE OF TECHNOLOGY**

Shivbasav nagar, Belagavi, Karnataka -590010

Approved by AICTE New Dehli

Affiliated to Vivesvaraya Technological University, Belagavi

CET Code: E175, COMEDK Code :E110, PG CET Code:942

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**PROGRAM EDUCATIONAL OBJECTIVES [PEO's]**

PEO1: To enable graduates to comprehend, analyse and solve Mechanical Engineering problems by applying principles of mathematics, science and engineering using modern tools, techniques and skills.

PEO2: To empower graduates the technical and professional knowledge to achieve excellence in professional life and to pursue higher education.

PEO3: To make graduates recognize the importance and engage in life long process of learning through self-study, continuing education courses and workshops.

PEO4: To train graduates with effective communication and entrepreneurial skills to excel in national, international, multi-cultural and multi-national organizations.

PEO5: To inculcate in graduates the awareness of ethical, societal and environmental issues associated with engineering practices.

**PROGRAM SPECIFIC OUTCOMES [PSOs]**

PSO1: Prepare students to identify & analyse mechanical engineering problems reaching substantiated conclusions using principles of mathematics and engineering.

PSO2: Enhance an ability to work on projects using multi-disciplinary tools professionally.

PSO3: Inculcate an ability among the students to apply the knowledge of mechanical engineering in solving economical, environmental and societal problems.

**Institution Vision**

To impart Quality Education with Human values and emerge as one of the Nation's leading Institutions in the field of Technical Education and Research.

**Institution Mission**

- Strive to encourage ideas, talents and value systems.
- Guide students to be successful in their Endeavour with moral and ethical values.
- Build relation with Industries and National Laboratories to support in the field of Engineering and Technology.
- Inculcate a thirst for knowledge in students and help them to achieve Academic Excellence and Placement.
- Train and develop the faculty to achieve Professional, Organizational objectives, and excel in Research and Development.

**Department Vision**

The department of Mechanical Engineering strives to empower students with domain skills, research aptitude and human values for holistic development.

**Department Mission**

- M1: To impart state-of-the-art technical knowledge using latest tools and techniques
- M2: To educate, mentor and inspire students to excel as successful professionals ready to take up global challenges in Mechanical Sciences
- M3: Inspire to take up research activities to address local industrial and societal needs
- M4: To develop Entrepreneurial attitude by inculcating leadership qualities with ethical values

1. Webinar on “INDUSTRIAL ROBOTICS AND ITS APPLICATIONS” by Mr. Chandan Inamdar, Design Engineer, CNC Tools & Services Pvt. Ltd. Bengaluru on 16th MAY 2021.

S. S. EDUCATION TRUST'S  
**S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY**  
Shivabasavarnagar, Bengaluru - 560010, Karnataka  
(Approved by A. I. C. T. E., New Delhi & Affiliated to V.T.U., Belagavi)  
www.egbit.edu.in

MECHANICAL ENGINEERING DEPARTMENT  
*in association with*  
**A.R.M.E.S.**  
*presents a webinar on*

**Industrial Robotics  
&  
It's Applications**

Alumnus Mr. Chandan Inamdar  
Design Engineer - Projects  
CNC India Tools and Services Pvt. Ltd. Bengaluru

Date: 16/05/2021 Time: 11:00 am

Prof. S. C. ZAMPA  
Prof. Chiranjivi B. Patil  
COORDINATORS

DR. RAJENDRA M. GALAGALI  
HEAD OF DEPT.

DR. B. R. PATAGUNDI  
I/C PRINCIPAL

Kindly join us on the MS teams app

Designed by: Anvita Laha

- Webinar on “INDUSTRIAL ROBOTICS AND ITS APPLICATIONS” was organized by Mechanical Engineering department in association with A.R.M.E.S (Association of Royal Mechanical Engineering Students) on 16<sup>th</sup> May 2021. The objective of the workshop was to give the fundamental knowledge of Industrial robotics & its Application. The webinar covered latest tools used in industrial robotics and enabled the participants to learn the industrial, real life applications of Robotics.
- The Webinar was welcomed by Dr. Rajendra .M. Galagali, Head of the department. Resource person of the day Mr. Chandan Inamdar was introduced by Prof. S.C.Zampa.
- Mr. Chandan Inamdar delivered the talk on the “INDUSTRIAL ROBOTICS AND ITS APPLICATIONS” and explained the design principles of robotics. He outlined the work flow right from the computer model to proto type.
- Thus the workshop was successfully organized and 70+ participants took benefit of the said workshop. It received appreciation and positive feedback from the professors and the students. The students interacted with the resource persons and learned about the fundamentals, design process and applications. Prof. Chiranjivi Patil, A.R.M.E.S coordinator concluded the workshop with the vote of thanks.

2. Webinar “Are you interested in a Career in the field of Supply Chain Management?” by 29<sup>th</sup> MAY 2021

The poster is for a webinar organized by the Mechanical Engineering Department of S. G. Balekundri Institute of Technology in association with A.R.M.E.S. (Association of Royal Mechanical Engineering Students). The main title of the webinar is "Are you interested in a career in the field of Supply Chain Management?". The guest speaker is Mr. Pradeep Hiremath, Principal Consultant at Manhattan Associates. The webinar is scheduled for May 29, 2021, at 11:00 AM. The poster also lists the coordinators: Prof. Chiranjivi B. Patil (Coordinator), Dr. Rajendra M. Galagali (Head of Dept.), and Dr. B. R. Patangudi (I/C Principal). A call to action asks participants to join via the MS Teams app.

- Webinar on “Are you interested in a Career in the field of Supply Chain Management?” was organized by Mechanical Engineering department in association with A.R.M.E.S (Association of Royal Mechanical Engineering Students) on 29<sup>th</sup> May 2021. The objective of the workshop was to make aware to students about Supply chain management field and how to build career in it.
- The Webinar was welcomed by Dr. Rajendra .M. Galagali, Head of the department. Resource person of the day Mr. Pradeep Hiremath was introduced by Prof. S.N. Malagi
- Mr. Pradeep Hiremath delivered the talk on the “Supply Chain Management (SCM)” and explained the process flow in SCM and the importance of it in manufacturing industries. He also briefed students on how to build career in the field of SCM.
- Thus the workshop was successfully organized and 50+ participants took benefit of the said workshop. It received appreciation and positive feedback from the professors and the students. The students interacted with the resource persons and learned about the fundamentals, process and applications of SCM. Prof. Chiranjivi Patil, A.R.M.E.S coordinator concluded the workshop with the vote of thanks.

3. 2 Day workshop on “3D Printing and Design” held on 05<sup>th</sup> & 06<sup>th</sup> June, 2021

The poster is for a two-day workshop on "3D Printing & Design" organized by the Mechanical Engineering Department of S. G. Balekundri Institute of Technology in association with A.R.M.E.S. The workshop is held on June 5 and 6, 2021. The poster lists the schedule for both days, the names of the resource persons, and the coordinators. The resource persons include Dr. T. Ram Prabhakar (IISc), Dr. Sunil Shankar Madhav (MRCET), and Mr. Deenanath Kulkarni (IITG). The coordinators are Mr. Vinod Madhwal, Mr. Sarwanthony Lobo, Dr. S. A. Alur, Prof. Chiranjivi B. Patil, Prof. Suresh Mallam, Dr. Rajendra M. Galagali, and Dr. B. R. Patangudi.

June 5, 2021		June 6, 2021	
10:00 am - 11:30 am	3D Printing technologies Basics and introduction to 3D printing by Mr. Deenanath Kulkarni	3 D printing of different types of composites, manufacturing, and dynamic testing of composites by Dr. Sunil Wadkar	<b>THE RESOURCE PERSONS</b> Dr. T Ram Prabhakar IISc and Deputy Director IISc, Govt. of India  Dr. Sunil Shankar Madhav Associate Professor Dept. of Mechanical Engg MRC College of Engg., Bangalore  Mr. Deenanath Kulkarni Senior Engineer Moog India Tech Center, Bangalore
11:45 am - 1:15 pm	Design for 3D printing Basic Design principles, Design work flow, Brief demo on a hobby FDM 3D Printing machine. (Creality Ender 3 V2) by Mr. Deenanath Kulkarni	Project proposal funding and Research in Metal Additive manufacturing parts Dr. T Ram Prabhakar	

## AGENDA

### Day-1: 05/06/2021

S.No	Time	Particulars	By
1	10.00-10:30	<b>Inaugural Program</b>	
		Welcome Address	HOD
		Lightning of Lamp	
		Presidential Remarks	Principal
		Introduction to Workshop	Dr. S A Alur
		<b>Session -1</b>	
2	10.30-10.35	Introduction of 1 <sup>st</sup> Resource Person – Mr. Deenanath Kulkarni	Prof. S C Zampa
3	10.35-11.30	3D printing technologies and Basic and introduction to 3D printing	Mr. Deenanath Kulkarni Senior Engineer, Moog India Technology Center, Bengaluru, Karnataka, India
4	11.30-11.45	<b>BREAK</b>	
		<b>Session -2</b>	
5	11.45-01.15	Design for 3D Printing	Mr. Deenanath Kulkarni Senior Engineer, Moog India Technology Center, Bengaluru, Karnataka, India
6		<b>Concluding Remarks for DAY-1</b>	

### Day-2: 06/06/2021

S.No	Time	Particulars	By
		<b>Session -3</b>	
1	10.00-10.05	Introduction of 2 <sup>nd</sup> Resource Person – Dr. Sunil Waddar	Prof. Suprit Malagi
2	10.05-11.30	3D printing of different types of composites, manufacturing and dynamic testing composites.	Dr. Sunil Shankar Waddar Associate Professor, Dept. of Mechanical Engineering, M.V.J College of Engineering, Bengaluru , Karnataka, India
2	11.30-11.45	<b>BREAK</b>	
		<b>Session -4</b>	
3	11.45-11.50	Introduction of 3 <sup>rd</sup> Resource Person – Dr. T Ram Prabhu	Dr. Ashok Hulagabali
4	11.50 – 1.15	About project proposal funding and research in metal additive manufacturing parts.	Dr. T Ram Prabhu, Scientist and Deputy Director, DRDO, Govt. of India.
7	1.15 – 2.00	<b>Valedictory Program</b>	
		Presidential Remarks	Principal
		Vote of thanks	Prof. Chiranjivi Patil
		National Anthem	

- Student Workshop on 3 D Printing and design was organized by Mechanical Engineering department in association with A.R.M.E.S (Association of Royal Mechanical Engineering Students) on 5<sup>th</sup> and 6<sup>th</sup> June 2021. The objective of the workshop was to give the fundamental knowledge of 3D printing, design principles for 3D Printing, design work flow and a demo on hobby FDM 3D printing machine. The workshop also covered 3 D printing of different types of composites, and dynamic testing of these composite and enabled the participants to learn the industrial, real life applications of 3D printing. The resource persons for the workshop were scientist from D.R.D.O Bangalore,



professor from reputed institution and practicing engineer in the field of additive manufacturing from a leading industry.

- The workshop was inaugurated by our beloved principal Dr.B.R.Patagundi at 10 A.M on 5<sup>th</sup> June 2021. Dr. Rajendra .M. Galagali, Head of the department, welcomed the participants, faculty members and resource persons for the workshop. Dr. S. A. Alur, Professor, M.E.D gave the overview of the 2 days workshop. Resource person of the day Mr. Deenanath Kulkarni, senior engineer, Moog India Technology center, Bangalore was introduced by Prof. S.C.Zampa. Dr. Ashok Hulagabali, central academic coordinator introduced Dr. Ram Prabhu, scientist and deputy director, D.R.D.O, Bangalore. Prof. Suprit Malagi, introduced Dr. Sunil Shankar Waddar, Associate Professor, M.V.J College of Engineering, Bangalore to the audience.
- Mr. Deenanath Kulkarni delivered the talk on the introduction to 3 D printing and explained the design principles. He outlined the work flow right from the computer model to proto type. Dr. Ram Prabhu .T , Scientist, D.R.D.O , a material and manufacturing specialist revealed the various research areas in metal additive manufacturing and projects that can be taken by U.G, P.G and Ph.D students. Research scholars and Professors interacted with the renowned scientist. Students enquired about the process of selection to D.R.D.O. The last session of the workshop was handled by Dr.Sunil Shankar Waddar , Associate Professor, MVJ College of Engineering , Bangalore . He delivered the technical talk on 3 D printing of different types of composites and dynamic testing of composites. He spoke on 3 D printing in an entrepreneurship perspective and gave some examples which can be taken as startups in 3 D printing.
- Thus the workshop was successfully organized and 150+ participants took benefit of the said workshop. The participants of the workshop were from students, faculty members and research scholars working in the area of 3-D printing. It received appreciation and positive feedback from the professors and the students. The students interacted with the resource persons and learnt the fundamentals, design process and applications of 3-D printing. Prof. Chiranjivi Patil, A.R.M.E.S coordinator concluded the workshop with the vote of thanks.

#### 4. Webinar on “Prerequisites of a Design Engineer” by Ashwin Royston Lobo, Assistant Manager, Skill Development, CADMAXX Solutions, Bengaluru on 16<sup>th</sup> June 2021



- Webinar on “Prerequisites of a Design Engineer” was organized by Mechanical Engineering department in association with A.R.M.E.S (Association of Royal Mechanical Engineering Students) on 16<sup>th</sup> June 2021. The objective of the workshop was to give the fundamental knowledge of Design Engineering.
- The Webinar was welcomed by Dr. Rajendra .M. Galagali, Head of the department. Resource person of the day Mr. Ashwin R Lobo was introduced by Prof. S.C.Zampa.
- Mr. Ashwin R Lobo delivered the talk on the “Prerequisites of a Design Engineer” and explained the design principles of in design field. He outlined the work flow right from the computer model to prototype.
- Thus the workshop was successfully organized and 80+ participants took benefit of the said workshop. It received appreciation and positive feedback from the professors and the students. The students interacted with the resource persons and learned about the fundamentals, design process and applications. Prof. Chiranjivi Patil, A.R.M.E.S coordinator concluded the workshop with the vote of thanks.

5. Webinar on “Money Management” by Suhas Rajput, Bombay Stock Exchange on 19<sup>th</sup> June 2021



- Webinar on “Money Management” was organized by Mechanical Engineering department in association with A.R.M.E.S (Association of Royal Mechanical Engineering Students) on 19<sup>th</sup> June 2021. The objective of the workshop was to make students aware about the money control and its importance in share market.
- The Webinar was welcomed by Dr. Rajendra .M. Galagali, Head of the department. Resource person of the day Mr. Suhas Rajput was introduced by Prof. Chiranjivi Patil.
- Mr. Suhas Rajput delivered the talk on the “Money Management” and explained the importance of money control. He explained students what are benefits of insurance and how it will help individual in long run. He also briefed about money flow in share market and how one can build his career in share market.
- Thus the workshop was successfully organized and 90+ participants took benefit of the said workshop. It received appreciation and positive feedback from the professors and the students. The students interacted with the resource persons and learned about the fundamentals, design process and applications. Prof. Chiranjivi Patil, A.R.M.E.S coordinator concluded the workshop with the vote of thanks.

6. Webinar on “Quality Management & Best Practices” by Adv. Anuj Goel

6. ARMES Events

Event	Date	Registration Link	Co-ordinators
PUBG	15/06/21	<a href="#">Link to register for this event.</a>	Mr. Aditya G. (8970389350)
Poster Designing	19/06/21	<a href="#">Link to register for this event.</a>	Mr. Sohel H. (808229102)
Singing	23/06/21	<a href="#">Link to register for this event.</a>	Mr. Nikhil A (9980863955)
Dance	26/06/21	<a href="#">Link to register for this event.</a>	Ms. Pratibha N (8050698028)
Photography	30/06/21	<a href="#">Link to register for this event.</a>	Mr. Shreyas K (8884517850)
Quiz	03/07/21	<a href="#">Link to register for this event.</a>	Mr. Rahul V (7795667587)

MR. VISHAL MADIWALAR  
STUDENT COORDINATOR

PROF. CHIRANJIVI B. PATIL  
FACULTY COORDINATOR

DR. RAJENDRA M. GALAGALI  
HEAD OF DEPT.

DR. B. R. PATAGUNDI  
I/C PRINCIPAL



## 1. Online Gaming



Online gaming was organized on 16<sup>th</sup> June 2021. 13 groups from all the department participated in it. And

## 2. Poster Designing







3. Singing Competition - Swaranjali – 21



A singing competition was organized on 23<sup>rd</sup> June 2021 by ARMES. Total 09 participants registered for the events. Judges for the competition were Prof. Vishal Modak, Founder, Tarang Academy. & Prof. Sameera V. Modak, Co-Founder, Tarang Academy.



# Meccanico Noticia

## Editorial Board

Dr. S. V. Itti	Editorial Advisor
Dr. Rajendra M. Galagali	Chief Editor
Prof. Chiranjivi Patil	Co-Editor
Prof. Suprit Malagi	Co-Editor
Mr. Savio Lobo	Student Member
Miss. Shreya Fasalkar	Student Member