



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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ASSOCIATION OF ROYAL MECHANICAL ENGINEERING STUDENTS
MECCANICO NOTICIA VOL-2 FEBRUARY 2017- MAY2017



PROGRAM EDUCATIONAL OBJECTIVES [PEO's]

PEO1: To enable graduates to comprehend, analyze 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 & analyze 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.

Events

Samveekshana 2K17

A national level technical fest SAMVEEKSHANA 2K17 was organised on 17/2/2017 and 18/2/2017. On this occasion various technical and non technical events were conducted under Mechanical department.

TECHNICAL AND NON TECHNICAL EVENTS UNDER MECHANICAL DEPARTMENT

Technical Events	Non Technical Events
Lathe war	Robo Race
3 D Modeling	Robo Soccer
Sand art	Survival the Fittest
Metal Fitting	
Sketching	



Space Exhibition in Association with ISRO

With the blessings of his Holiness Dr. Siddharama swamiji S.G.Balekundri Institute of technology conducted a two days space exhibition on 17/2/2017 and 18/2/2017 in association with **ISRO (Indian Space Research Organisation) Bangalore.** **ISRO Scientist and Public Relation officer Mr. B.R.Guruprasad** was a chief guest and the Resource person for the occasion. In this exhibition models of the satellites and rockets like PSLV-C30, PSLV-C37, GSAT-18, CHANDRAYAAN-2, PSLV-C36, GSLV-D6, PSLV-C37, Etc., were demonstrated



Invited Talk On “Conventional , Non Conventional Energy Sources and Energy Conservation” in Association with PCRA was arranged on 21/2/2017 by Prof. Mahesh Wagh Head of energy conservation Department, Shivaji University Kolhapur in association with Petroleum Conservation Research Association (PCRA).The main theme of the session was to create the awareness about energy depletion and its conservation.



Technical Talk On CAD/CAM in Association with CAD/CAM Guru Solutions a invited talk was arranged on 2/3/17 by Mr. Shrikant Bidwai Marketing Manager CAD/CAM Guru Solutions. The main theme of the session was to explain the importance of design and manufacturing solutions in industries.



Two Days National Level Workshop on “Reskilling – The skills of Future”

Two days National workshop “Reskilling – The skills of Future” was held on 15th and 16th May 2017 in co-ordination with Metamorphosis Thane (W) Mumbai. Mr. Guruprasad Shivakamat and Mr. Prasanna Shivakamat, Chief Enabling Officers, Metamorphosis, Thane (W) Mumbai were the resource persons for two days workshop.



Invited Talk on “Non Destructive Testing” by Mr. K. Ravishankar Manager Metallurgy, Jinabakul Forge, Belagavi. was arranged on 28/4/2017. Students gained the knowledge about Non Destructive Testing methods followed in the Industry.



Industrial Visit to Master Precision and Master Finish An industrial visit to **MASTER PRECISION AND MASTER FINISH** Udyambag, Belagavi was held for 4th sem on 18/4/2017 and 19/4/2017



Industrial Visit to Jinabakul Forge An Industrial visit to well known **JINABAKUL FORGE PVT. LTD** Belagavi was held on 18/5/2017 for the 6th sem students. Under this visit students came to know the practices followed in the forging industry, NDT Techniques, Heat treatment processes, Quality control processes followed in the forging Industry.



ARMES (Association of Royal Mechanical Engineers) valedictory function was organized on 22nd May 2017 a well-known businessman Shri Sanjeev Inamdar MD, PTP CNC Pvt. Ltd, Belagavi was the chief guest.



Faculty Achievements:

1. Faculty of mechanical engineering Participated in three days workshop on “Image Processing & Its Applications” organised from 23rd to 25th January 2017 at SSET’s S G Balekundri Institute of Technology, Belagavi.
2. Dr. Mohan Vanrotti and Prof. Suprit Malagi were the coordinators for the two days Space Exhibition held on 17/2/2017 and 18/2/2017 in association with ISRO (Indian Space Research Organisation) Bangalore held at S.G. Balekundri Institute of Technology, Belagavi.
3. Dr. Uday C. Kapale Published a research paper entitled “Effect of shell side heat transfer rate for variation in baffle spacing in TEMA E-type Shell and Tube Heat Exchangers using CFD technique in Asia Pacific Journal of Research, ISSN 2320 – 5504, Vol.1, Issue XLVII, January 2017, page No. 80-89.
4. Dr. Uday C. Kapale Published a research paper entitled “Effects on heat transfer rate for shell side in TEMA E-type Shell and Tube Heat Exchangers due to variation in baffle cut percentage using CFD software” in International Journal of World Research, ISSN 2347 – 937X, Vol.1, Issue XXXVIII, January 2017, page No. 39-46.
5. Dr. Uday C. Kapale Presented a paper titled “An Experimental Study of the Effect of Two Phase (Air-Water) Flow Characteristics Pipe Vibration at Atmospheric Conditions” published in

Proceedings of the 1st International and 18th ISME Conference, February 23rd -25th 2017, NIT Warangal.

6. Dr. Uday C. Kapale Published a paper titled “An Experimental Study of the Effect of Two Phase (Air-Water) Flow Characteristics on Momentum Flux Due to Flow Turning Elements at Atmospheric Conditions”, published in International Journal of Latest Trends in Engineering & Technology (IJLTET), ISSN-2319-3778, Volume 8, Issue 1, 31st January 2017.
7. Dr. Uday C. Kapale Published a research paper entitled “Optimization of tube length by CFD analysis for heat transfer of sugar cane juice in a circular pipe using passive heat transfer technique of twisted tape” in International Journal of Current Engineering and Technology, E-ISSN 2277 – 4106, P-ISSN 2347 – 5161, Vol.6, No.5 (Oct. 2016).
8. Dr. Uday C. Kapale Worked as judge in National Level Solar Summit 2017 for Solar Project Competition held on 25th March 2017 at Sanjay Ghodawat Group of Institutions, Atigre, Kolhapur.
9. Dr. Uday C. Kapale Worked as a Paper Reviewer in the National Conference on Interdisciplinary Trends in Engineering and Technology (NCITET 2017) organized under TEQIP II at Department of Technology, Shivaji University, Kolhapur (M.S.) on 17th-18th February, 2017.
10. Prof Muttanna B. attended 5 days Faculty Development Program on “Advances in Engineering Mathematical Models” held on 9/1/17 to 13/1/17 at BMS Institute of Technology Bangalore.
11. Prof Alok kiragi attended International workshop on “Research and application of Advanced Composites and materials” held on 7/12/16 to 8/12/16 at SDM CET Dharwad.
12. Dr. veeranna D K attended a 5 days short course on “Hybrid Composites” held on 18/12/16 to 22/12/16 at NITK Suratkhal Karnataka.
13. Dr.Veeranna D K,Prof.Prasad Kallolimath,Prof.Suprit Malagi,Prof.Sharanbassappa Z,Prof. Arun Suldhhal and Prof.Shrishail Yalagatti attended a one day International seminar on Digital Manufacturing in association with ESPIRIT USA,DMG MORI JAPAN,GALAXY INDIA,OXERA INDIA held on 11th may 2017 organized by centre of PG Studies,Visvesvaraya Technological University ,Belagavi.

Students Achievements:

1. Miss Pranjali Desai, Miss Pooja Goni, Miss Shashi Nandihalli, Miss Raagini Hudalikar Mr. Balachandra Jadhav, Mr. Prajwal Patil, Mr. Pradeep Hullipalled, Mr. Anand Shivanal, and Mr. Kiran Magadum were the students coordinators for the two days Space Exhibition held on 17/2/2017 and 18/2/2017 in association with ISRO (Indian Space Research Organisation) Bangalore held at S.G. Balekundri Institute of Technology, Belagavi
2. Mr. Vaibhav Bagali of 6th SEM along with the group of 6 students of 6th SEM attended a 15 days industrial training at vikas composites Belagavi from 16/1/17 to 28/1/17.
3. Miss Ragini of 4th SEM, Miss Pooja, Miss Divya, Miss Pranjali, and Miss Shashi of 8th SEM working on a project entitled “Automatic Position tracking of a hot metal ladle” selected for Hackathon 2016.

4. Mr. Siddique Ankalgi of 8th sem got placed in BYJUS Think and Learn held at pool campus at Sapthagiri College of Engineering Bangalore on 24/3/17.
5. Mr. Sunil Belgaokar, Mr. Swanand Salgude of 8th sem and Manjunath B Angadi of 6th sem played in college football team which won the VTU Inter-zonal Football tournament held at SGBIT, Belagavi on 14th and 15th March 2017.
6. Mr. Anand B S and Mr. Kiran M of 4th sem Presented a technical paper entitled “Kinetic Energy Recovery System” at JIGYASA 2017 held at Shaikh College of Engineering,Belagavi on 4th and 5th April 2017.
7. Mr. Abhishek Wagukar of 4th sem Presented a technical paper entitled “Spring Stiffness Testing Machine” at JIGYASA 2017 held at Shaikh College of Engineering,Belagavi on 4th and 5th April 2017.
8. Mr. Akshay Nesargi of 4th sem mechanical participated in Lathe war event at JIGYASA 2017 held at Shaikh College of Engineering,Belagavi on 4th and 5th April 2017.
9. Raif Kotwal has participated in Elocution competition ,Balchandra and Riyaz have participated in quiz at VTU Cultural fest, held at Sir M Visvesvaraya Institute of Technology,Bangalore.

Sports Achievements:

1. Mr. Amit Uppin has grabbed 1st place in group and in individuals 5th place in 36th yoga championship and has been selected to represent Karnataka State in National level competition held at Ranchi, Jarkhand.
2. Mr.Allauddin Darga represented for VTU at All India Inter University level Shooting air pistol,10mts championship, held at GDN University,Amritsar Punjab and has been awarded VTU blue.
3. Mr. Akshay More won 1st first place in District level Dasara Basketball competition and has been awarded best basketball player held at JNMC ,Belagavi. He has also won 2nd place in basketball open divisional level tournament held at Haveri.
4. Mr. Sandeep P 3rdsem was selected for Belagavi zone Cricket team and he further went for single zone selection at national institute of engineering and technology, Mysore.
5. Mr. SwanandSalgude, Mr. Sunil B, Manjunath S B of 8thsem, Shashank, Harshvardhan Patil and Mr. Anand Mahendrakar of 6thsem, participated in VTU hockey tournament held at GIT,Belagavi.
6. Mr. Allauddin Darga, Mr. Kaimuddin Darga,Mr. Pranay J B, Mr.Suhas U, Mr.Amit Upadyah, Mr.Kiran SP and Mr.Prasad Chougula participated in VTU Cricket tournament.
7. Mr.Sunil Belagoankar,Mr.Swanand Salgude and Mr.Manjunath Angadi represented college football team which won first place in VTU Zonal Tournament and third place in state level football championship.

Sponsorship Projects:

Sl.No.	Title of the project	Name of the students	Project Guide	Sponsor
1.	Design and fabrication of spiral spin for mini irrigation	1.Mr.Khaleel Jamadar, 2.Mr.Rakesh Herwade, 3.Mr.Kantraj Balnaik 4.Mr.Ramchandra B	Dr.Veeranna DK	KSCST Rs.7000/-
2.	Drying food products by solar energy	1.Mr.Manjunath B M, 2.Mr.Shankar Dalawai, 3.Mr.Shrishail Hiremath 4.Mr. Shivanand	Prof. Vaijanath Patil	Selected for SHRISTHI-17
3.	Hybrid windmill	1.Mr.Sangmesh 2.Mr.Sandeepkumar Goudar 3.Mr.Abhijeet Badiger 4.Mr.Vikram Reddy	Prof. Pramod Shiraguppi	Selected for SHRISTHI-17

**TOPPERS FOR THE VTU AUGUST 2017 EXAMINATIONS.
CONGRATULATIONS**

SEMESTER	NAME OF THE STUDENT	PERCENTAGE/SGPA
3 rd (A Division)	Mr.Kiran Magadum	8.71SGPA
3 rd (B Division)	Mr. Satyam Katkar	7.79 SGPA
5 th (A Division)	Mr. Koustub Shintre	76.6%
5 th (B Division)	Mr.Vaibhav Gurav	74.55%
7 th	Mr. Amardeep Mutagekar	80.22%

**Meccanico Noticia
Editorial Board**

Dr. S.S.Salimath	Editorial Advisor
Dr. U.C.Kapale .	Chief Editor
Prof. Suprit Malagi	Co-Editor
Prof. Prasad Kallolimath	Co-Editor
Mr. Kartik patil	Student Member