



RajaRajeswari College of Engineering

#14, Ramohalli cross, Kumbalagodu, Mysore road, Bengaluru - 560 074
(Approved by AICTE, New Delhi. Affiliated to the Visvesvaraya Technological University, Belgaum)

Department of Mechanical Engineering

MECH NEWSLETTER

Volume : 6 Issue: 1

Gear 2018

Chief Patron



Dr.A.C.Shanmugam,
B.A.LLB, FIMSA, Former MLA., MP.,
Chairman
RajaRajeswari Group of Institutions.



Mr.A.C.S.Arunkumar
B.Tech (Hons), LMISTE, MIET.,
(UK), LMCSI.,
Vice-Chairman
RajaRajeswari Group of Institutions.

Patrons

Dr.Vijayanand.S
Executive Director
RajaRajeswari Group of Institutions.

Mr. Jeyabalan.S
Special Officer
RajaRajeswari Group of Institutions.

Dr T R Gopalakrishnan Nair
Rector
RajaRajeswari Group of Institutions.

Principal

Dr.R.Balakrishna,Ph.D.,
RajaRajeswari College of Engineering

Head of the Department

Dr. Yeshovanth H R, Ph.D.,
HOD-Mech

We are very much grateful to the Management, Rector and Principal for their continuous encouragement, inspiration and support extended for the release of this **“NEWS LETTER”- GEAR 2018.**



Dr.H R Yeshovanth
Head of the Department

Department at a Glance

The Department of Mechanical Engineering was started in the year 2006 has highly qualified faculty with good blend of experience from both Academics and Industry. The department has well equipped laboratories with advanced software's. Within a span of 13 years the department has reached '**Center of Excellence**' by attaining good academic results, conducting many seminars, conferences, workshops, FDPs, Industry - Institute Interactions at State and National levels.

Courses Offered:

UG Programme :

- Bachelor of Engineering in Mechanical Engineering-4 Years.

Research Programme:

- Doctor of Philosophy




Centre of Excellence:



Students Achievements

- The Project Titled “ **Experimental Investigation on use of pre heated Neem oil Bio diesel in diesel engine**” carried out by **Ramachandre Gowda PL** the PG students under the guidance of Associate Prof. Sreenivasalureddy is sponsored by 41st Series Students Project Proposal (SPP), KSCST, Bengaluru during the year 2017-18 with Project proposal .This project is funded an amount of Rs17,000/-
- The Project Titled “ **Experimental Study of Heat Transfer on Receiver tube of Parabolic collector with continuous Helical Fins**” carried out by **Arun Datt R** the Final Year UG students under the guidance of Associate Prof.Sreenivasalureddy is sponsored by 41st Series Students Project Proposal (SPP), KSCST, Bengaluru during the year 2017-18 with Project proposal .This project is funded an amount of Rs 6,000/- .
- The Project Titled “ **Design and Fabrication of Dual Purpose refrigerator for Agriculture**” carried out by **Gireesha K** the Final Year UG students under the guidance of Associate Prof.Sreenivasalureddy is sponsored by 41st Series Students Project Proposal (SPP), KSCST, Bengaluru during the year 2017-18 with Project proposal .This project is funded an amount of Rs 7,000/- .

Students who have Secured Class First in ODD Semester of VTU Exam during the Academic Year 2017-2018

		
Punith H Y 1RR16ME080 III Sem 76%	Summukha J 1RR15ME101 V Sem 78%	Sultan Junaid Ali Khan 1RR14ME092 VII Sem 88%

PUBLICATIONS OF FACULTY MEMBERS IN ACADEMIC YEAR 2017-18

1. N Sreenivasalu Reddy, K Rajagopal, and P H Veena, "Experimental investigation on heat transfer enhancement and pressure drop of double pipe heat exchanger in solar water heating system", International Conference on Sustainable Engineering and Technology (iConset 2018) AIP Conf. Proc. 2039, 020035-1–020035-10; <https://doi.org/10.1063/1.5078994>, Published by AIP Publishing, 978-0-7354-1765-6. Scopus index, Impact factor: 0.43.
2. K S Madhu, "International Journal, Thermal Boundary Layer Flow Effectiveness Enhancement of gas turbine blade internal cooling using CFD" at International journal of creative research thoughts (IJCRT) registration ID.no. 190258 paper id: IJCRT1892969, held during April 2018.
3. Dr.Satheesha V "Study on heat transfer during rectangular slot air jet impingement on curved surfaces", International Journal of Theoretical and Applied Mechanics, Research India Publication, ISSN 0973-6085, Volume-12, Number-2, 2017, pp 209-226.
4. Dr.Satheesha V "Flow Visualization of Rectangular Slot air jet impingement on Flat surfaces", International Journal of Engineering Sciences & Research Technology, ISSN 2277-9655, 7(1),2018,pp325-337.
5. Dr.Satheesha V presented on "Study on Heat Transfer and Flow Visualization of Jet Interaction during Rectangular Slot Air Jet Impingement on Concave Surfaces", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC2017-09-0094), December 27-30, 2017, BITS Pilani, Hyderabad.
6. Thanuj Kumar M. Raju P., Prashanth H, Praveen H. S., Sujith Kumar S, "Design and Fabrication of Mechanical Pusher", National Conference on Recent Trends on Engineering Science and Technology (NCRTEST-18), 24th May 2018.
7. Thanuj Kumar M., Achutha B, Manjunath H V, Shrigandh M S, "Enhancement of Manufacturing Process For CFRP Thruster Bracket", Two days National Conference on "Modern Trends in Mechanical Engineering – MTME'17, May 2017, RRCE, Bengaluru.
8. Thanuj Kumar .M, K. S. Madhu and Balaji, "Simulation of Humanoid Locomotion Robot in Unknown Terrains", One day National Level Symposium on Technology Innovations in Mechanical Engineering (TIME-2016), May 2016, DBIT, Bengaluru.
9. Vishwanath K.C "Investigation of Effect of Friction Stir Drilling Parameters on Elastoplastic Behaviour of Al Alloy" to International Journal of Mechanical and Production Engineering Research and Development (IJMPERD_Scopus Indexed Journal id: EC3377CF136468C2), Impact Factor (JCC)-2017: 6.8765, ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 1, Feb 2018, 1059-1064 © TJPRC Pvt. Ltd.
10. Vishwanath K.C "Investigation of Effect of Grain Size on The Mechanical Properties of Al Alloy By Using Friction Stir Hole Expansion" to International Journal Of Engineering Sciences & Research Technology (IJESRT), ISSN: 2277-9655, Impact Factor: 5.164 , CODEN: IJESS7, Vol. 7 Iss. 3, March-2018, DOI: 10.5281/zenodo.1189018.
11. Praveen Kumar S.P "Intelligent Breaking System" in the National Conference held in house MTME17.




Faculty participation in workshop and faculty development programme in Academic Year 2017-18

1. Anand A participated in One Week Faculty Development Program on “Advances in Mechanical Engineering” conducted from 16th -20th July 2018, by Department of Mechanical Engineering, held at RajaRajeswari college of Engineering.
2. Dr. Satheesha V delivered a lecture in FDP on “Research Issues and Challenges in Mechanical Engineering” on 16-20 July 2018, organized by Department of Mechanical Engineering, BNMIT, Bengaluru.
3. Pramod V Koujalagi participated in One Week Faculty Development Program on “Advances in Mechanical Engineering” conducted from 16th -20th July 2018, by Department of Mechanical Engineering, held at RajaRajeswari college of Engineering.
4. Ravikumar T organizer for Technical Symposium, “Mexelerate-2016 & 2018” held at Dept. of Mech. Engg., RajaRajeswari College of Engineering.
5. Ravikumar T attended one day workshop on “Finite Element Method” held on 03rd Feb 2018 at RNSIT, Bengaluru.
6. Ravikumar T participated in 1 week faculty development program on “Advances in Mechanical engineering as per CBCS” from 16th to 20th July-2018 at RRCE.

Add-on Certificate Programme

Academic Year	Name of the Program	Duration	Date	No students attended
2017-18	Six Days Basic Training Program On “OpenFoam”	6 days	05 th to 10 th , Feb, 2018	290
Name of the Resource Persons	<ol style="list-style-type: none">1. Dr. Kanchiraya S. Regional Manager, South India, Bangalore2. Dr. Krishnegowda B., Assistant manager Technical Support, Bangalore3. Mr. Praveen, Assistant manager Sales Design Tech systems Pvt. Limited, Bangalore			

Class Toppers List Academic Year 2017-18

SEMESTER		 1st Topper	 2nd Topper	 3rd Topper
8 th	USN: NAME: %:	1RR14ME092 SULTAN JUNAID ALI KHAN 85.1%	1RR14ME023 DHANUSHKUMAR.C 82.67%	1RR14ME031 JAGADISHWARMULLUR 80.53%
7 th	USN: NAME: %:	1RR14ME092 SULTAN JUNAID ALIKHAN 82.89%	1RR14ME078 SANJU MADIVALAPPA GONI 78.9%	1RR14ME086 SHIVARAJU B 78.1%
6 th	USN: NAME: %:	1RR15ME029 1RR15ME079 DEVENDRA &RAHUL PRAKASH S 78.75 %	1RR15ME067 PAMPADE SATISH KUMAR 78.5%	1RR15ME033 GANESH NARAYAN HARIKANTRA 77.375 %
5 th	USN: NAME: %:	1RR15ME101 SUMMUKHA J 77.60%	1RR15ME033 GANESH NARAYAN HARIKANTRA 77.25%	1RR15ME020 BASAVARAJ MALLAPPA MELENNAVAR 76.25%
4 th	USN: NAME: %:	1RR16ME003 AJAYKRISHNAN R. 76.37%	1RR16ME104 SAMMEDH JAIN 75.62%	1RR16ME083 PUNITH Y 73%
3 rd	USN: NAME: %:	1RR16ME046 PUNITH Y. 75.8%	IRR16ME080 MANOJ M. 74.3%	IRR16ME107 SANTHOSH O 70.2%
2 nd	USN: NAME: %:	1RR17ME059 MIR MOHAMMED SAIFUDDIN 78.5%	1RR17ME031 HARIHARAN P 75.6%	1RR17ME058 MARVEL M VAZ 74.6%
1 st	USN: NAME: %:	1RR17ME059 MIR MOHAMMED SAIFUDDIN 83.7%	1RR17ME058 MARVEL M VAZ 82.4%	1RR17ME123 VAMSHIKRISHNA D N 80.4%

Five Days Faculty Development Program on
“DESIGN OF MACHINE ELEMENTS”

18th to 22nd Dec 2017

On day 1 Mrs. N L Shanthala explained about Fundamentals of Mechanical Engineering Design.

On day 2 Dr. Vivek Bhandarkar V N highlighted Factors influencing machine design followed by ,afternoon session handled by Prof. Nithesh Bhaskar N who emphasized Principle stresses for various load combinations.

On day 3 Prof. Sanketh S elaborated Principle stresses for various load combinations & Design of solid and hollow shafts & Couplings.

On day Design of temporary and permanent joints was highlighted in the morning session by Prof . Vishwanath B. R and sanketh

On day 5 Prof . K. M. Kiran Kumar and Prof Ranganath explained about Design of threaded fasteners and power screws and design of bearings and the FDP was ended with valedictory function.



Faculty Development Program on Total Quality Management



Faculty Development Program on “Total Quality Management” from 29th to 31st January, 2018 was conducted. Prof. Dr. Narahari, Professor, Dept. of IEM, RVCE, Bangalore, Prof. Dr. A.K Moorthy Dean, AMC Engineering College, Bangalore, Prof. Dr. D.P Girish, Dept. of Mechanical Engineering, Govt College of Engg, Ramnagara, Prof. Madhav Murthy, Dept. of Mechanical Engineering, B.M.S. College of Engineering, Bangalore delivered expert lecture on TQM and its concepts, applications.

Technical Talk on Reverse Engineering



Conducted “TECHNICAL TALK” on “Reverse Engineering” for Mechanical Engineering students on 23rd February 2018. Mr.Gururaj R, CEO, Nebula 3D Services Pvt. Ltd., Bangalore, provide the information about Reverse Engineering and the process of extracting knowledge on design information from a product and reproducing it or reproducing anything based on extract information from mechanical devices and electronics components. Demonstration of laser light scanner, built a 3D model from the data, explained clay model concept and different digitizing methods.

Student Development Programme on Heat Transfer
(Insight to New Syllabus of VI Sem, CBCS)



Conducted “ Student Development Programme“ on Heat Transfer for the VI sem students admitted under CBCS on 24th February 2018. Prof. Dr. K. Rama Narasimha given the lecture on heat transfer and its fundamentals to the students.

Faculty members and students undergone the “Training the Trainers” programme on Hypermesh, ANSYS-Work Bench, CATIA on 23rd September 2017 at CAMD lab.

Faculty development programme on “Recent Advancements in Mech-Engg” was conducted on 2nd September 2017.

Technical Talk on “SOLIDWORKS” was conducted to the Mechanical Engineering students on 20th March 2018. Expert from Best Engineering Aids and Consultancies Pvt Ltd, Bengaluru delivered the various applications of Solidworks to the students.

Technical Talk on “Computational Fluid Dynamics” was organised for the students of Mechanical Engineering on 04th May 2018.

Three Days Staff Development Program on
“Computer Aided Engineering Drawing”
16th to 18th May 2018

On day 1 Significance of Engineering drawing, BIS Conventions of Engineering Drawing, Free hand sketching of engineering drawing, Scales. Introduction to Computer Aided Drafting software, Co-ordinate system and reference planes HP, VP, RPP & LPP of 2D/3D environment. Selection of drawing sheet size and scale. Commands and creation of Lines, coordinate points, axes, polylines, square, rectangle, polygons, splines, circles, ellipse, text, move, copy, off-set, mirror, rotate, trim, extend, break, chamfer, fillet and curves.

On day 2 Introduction to Orthographic projections, Orthographic projections of points in all the quadrants. Orthographic projections of lines. (Placed in First quadrant only) Orthographic projections of planes viz triangle, square, rectangle, pentagon, hexagon and circular laminae.

On day 3 Development of lateral surfaces of right regular prisms, cylinders, pyramids, and cones resting with base on HP only. Development of their frustums and truncations. Problems on applications of development of lateral surfaces like, funnels and trays.

One Week Faculty Development Program on “Advanced in Mechanical Engineering” was organised and conducted from 16th to 20th July 2018.

Industrial Visit



7th Semester, Mechanical Engineering students visited the M/s Britannia Industries Limited, Bidadi Industrial Area, Ramnagara District on 30th August 2017. Mr. Prashant, Engineer of Britannia Industries Limited explained the various process of their industry.

Students of 2nd , 3rd , 4th year Mechanical engineering students visited M/s Electroplast Private Limited on 16th September 2017.



5th Semester, Mechanical Engineering students visited the M/s Parsons Nutritionals Pvt. Ltd. Phase 2, Harohalli Industrial Area, Kanakpur Road, Ramnagara District on 3rd November 2017. Mr. Rajanna, Engineer of Parsons Nutritionals Pvt.Ltd explained the various process of their industry.





5th Semester, Mechanical Engineering students visited M/s FESTO India Pvt. Ltd on 12th February 2018. Mr. Karthik, Senior Engineer, Mr. Sameer Khan, Senior Engineer explained the various process of Pneumatic power system and its components, applications.

*******.**






6th Semester, Mechanical Engineering students visited the M/s Hindustan Coca Cola Beverages Pvt. Ltd, Bidadi Industrial Area, Bidadi, Ramnagara on 21st March 2018. Mrs.Sangeetha S Nair, Engineer explained the various machinery and its process of their industry.

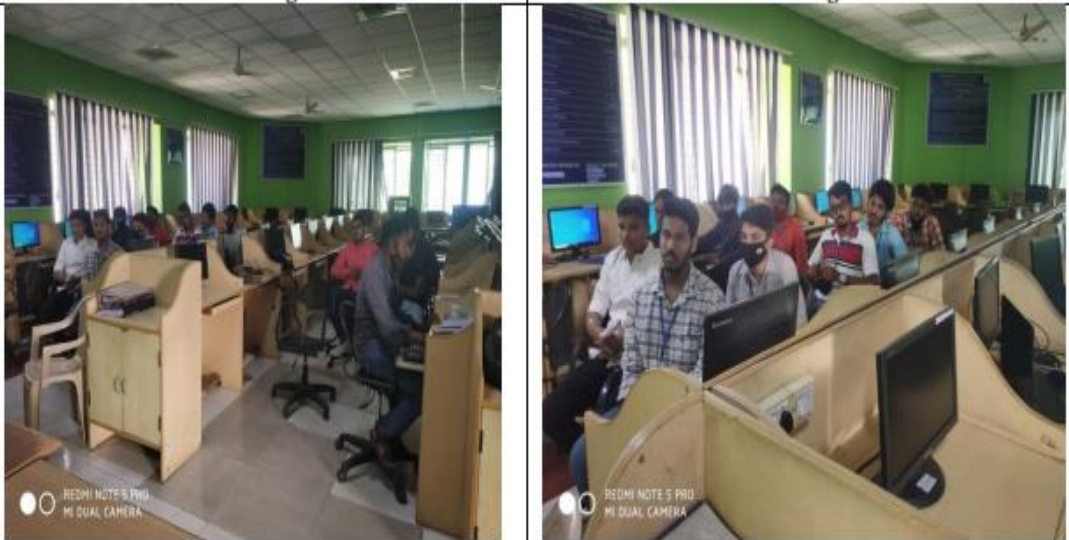


6th Semester, Mechanical Engineering students visited the M/s Parsons Nutritionals Pvt.Ltd. Phase 2, Harohalli Industrial Area, Kanakpura Road, Ramanagara on 06th April 2018. Mr. Rajanna, Engineer explained the various process of their industry

DETAILS OF INFRASTRUCTURE

Laboratory Name	:	Center for Research on Automated Machining and Robotics		
Room No./Hall No.	:	LG01		
Area	:	66 m ²		
List of Equipment's	:	Sl. No.	Name of the Equipment's	Qty.
		1	CNC Lathe machine with MTAB industrial control	01
		2	Minimal Tooling Package for lathe	01
		3	Operation and maintenance tool for Lathe	
		4	CNC Milling machine with MTAB industrial control	01
		5	Minimal Tooling Package for milling	01
		6	Operation and maintenance tool for milling	
		7	Station automatic tool changer	01
		8	5 Axis Robot	01
		9	Servo Stabilizer (Lathe and Milling)	02
		10	Compressor for XLMILL	01

Laboratory Name	:	Centre of Excellence- Altair-Hyper Works	
Room No./Hall No.	:	LG01	
Area	:	136m ²	
Photos	:		

				
facilities	:	Sl. No.	Name of the Software	Qty.
		1	Altair Centre of Excellence- Altair Hyper Works CAE Suite V12.0 or Latest (Academic & Research License) – 20 License	1

Laboratory Name	:	Design Lab
Room No./Hall No.	:	LG06
Area	:	89 m ²
Photos	:	



List of Equipment's

Sl. No.	Name of the Equipment's	Qty.
1	Universal Vibration Tester 1/2HP DC Motors Wooden box	01 02 01
2	Balancing of Rotating Masses ½ HP DC Motor with 2Amps Dimmer Weight	01 01 04
3	Whirling of Shaft Apparatus ½ HP Motor 4.5,6,8mm dia,Length 1000mm to 1500mm rods Stroboscope	01 1pc each 01
4	Polaris cope Light Box 2nos Fluorescent tube, sodium lamp Poloriser,Analyser,Dead weight500gms to 10kgs	01
5	Universal Governor Apparatus ½ HP DC Motor 500gm	01 02
6	Gyroscope 1/6HP Motor,Dimmer stater,non contact type Tachometer	01
7	Journal Bearing 1/2HP DC motot&1/4HP Motor weight	01
8	Strain Rosettes Digital strain indicator with footy pump, Cylindrical Specimen	01
9	Strain Gauges,Digital strain indicator,Torque arm lg 1000mm Dead Weight 1KG	01 05

Laboratory Name

: Energy Conversion Lab

Room No./Hall No.

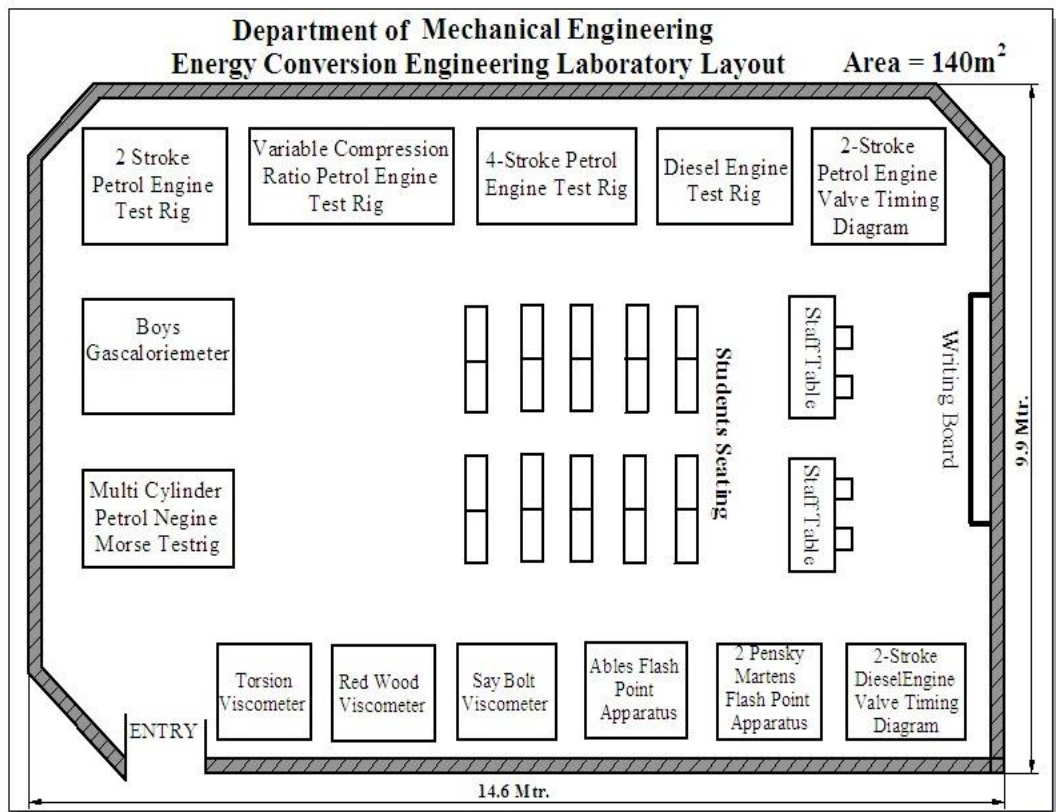
: LG09

Area

: 140 m²

Layout

:



Photos





List of Equipment's

Sl. No.	Name of The Equipment	Qty.
1	Flash and Fire Point (Penskey)	01
2	Flash and Fire Point (Abel's)	01
3	Redwood Viscometer	01
4	Planimeter	01
5	Say Bolt's Viscometer	01
6	Torsion Viscometer	01
7	Bomb Calorimeter	01
8	Boy's Gas Calorimeter	01
9	Port Timing Diagram For Two Stroke	01
10	Valve Timing Diagram for four Stroke Diesel Engine	01
11	Four stroke single Cylinder Diesel Engine	01
12	Two Stroke Single Cylinder Petrol Engine test rig	01
13	Four stroke single Cylinder Petrol Engine	01
14	Variable Compression ration Petrol Engine Test Rig	01
15	Tool Kit	01

Laboratory Name	: Engineering Graphics
Room No./Hall No.	: 307
Layout	<p style="text-align: center;">Department of Mechanical Engineering CAED Laboratory Layout</p> <p style="text-align: right;">Area = 136m²</p> <p style="text-align: center;">14.5 mtr.</p> <p style="text-align: right;">10.5 mtr.</p>
Area	: 136 m ²
Photos	



List of Equipment's	:	Sl. No.	Name of the Equipment's	Qty.
		1	UPS 10 KVA with 30 no. Batteries	02
		2	Monitor (Acer)	59
		3	CP U (Acer)	59
		4	Keyboards(Acer)	59
		5	Mouse(Acer)	59
		6	D Link Switch 24 port with	03
		7	Printer CANON B2900	01
		8	Projector Epson LBP 350	01
		9	Projector Screen	01

Laboratory Name	:	Fluid Mechanics
Room No./Hall No.	:	LG08
Area	:	251 m ²
Layout	:	<p style="text-align: center;">Department of Mechanical Engineering Fluid Mechanics & Machines Laboratory Area = 251m²</p>
Photos	:	

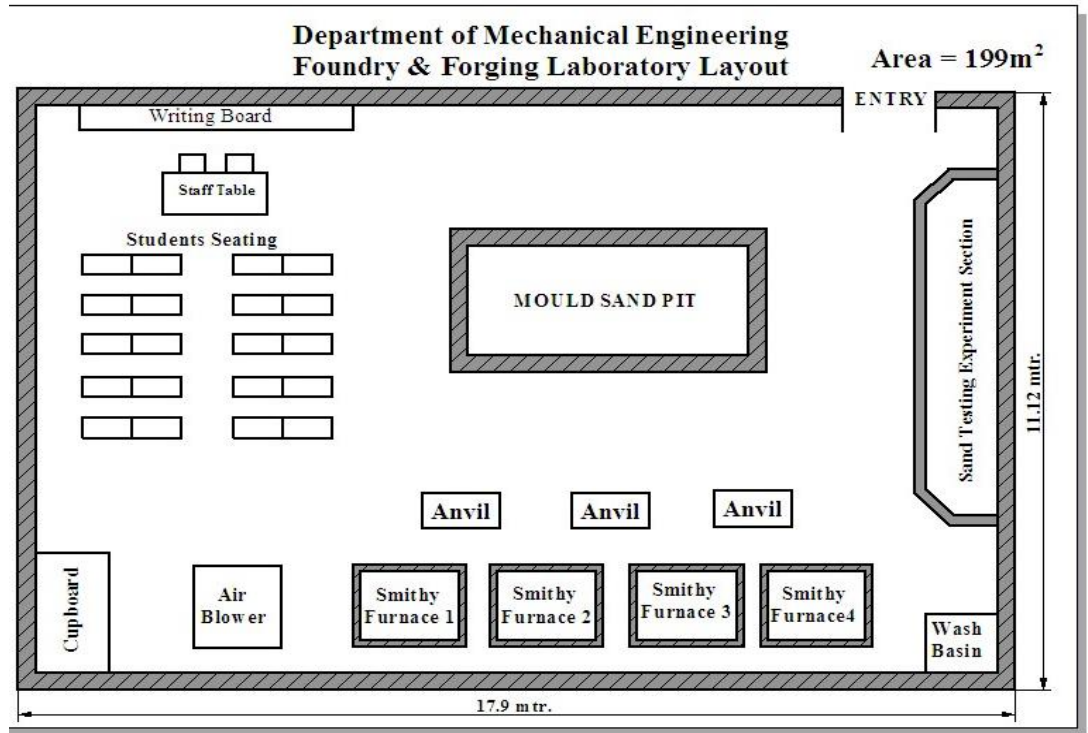


List of Equipment's

Sl. No.	Name of the Equipment's	Qty.
1	Orifice Meter and venturi Meter (combined)	01
2	Flow Through Nozzle and Rota Meter (combined)	01
3	Flow Through Notches (All type)	01
4	Impact of jet on vanes	01
5	Flow through Pipes (Major Losses, Friction in pipe)	01
6	Flow Through pipe (Minor Losses in pipe)	01
7	Air Blower	01
8	Air Compressor(two stage reciprocating)	01
9	Single Stage Centrifugal Pump	01
10	Multi Stage Centrifugal Pump	01
11	Reciprocating Pump	01
12	Pelton Wheel	01
13	Francis Turbine	01
14	Kaplan Turbine	01
15	Pressure Gauge	02
16	Vacuum Gauge	02

Laboratory Name	:	Foundry and Forging Lab
Room No./Hall No.	:	LG02
Area	:	199.9 m ²

Layout :



Photos :

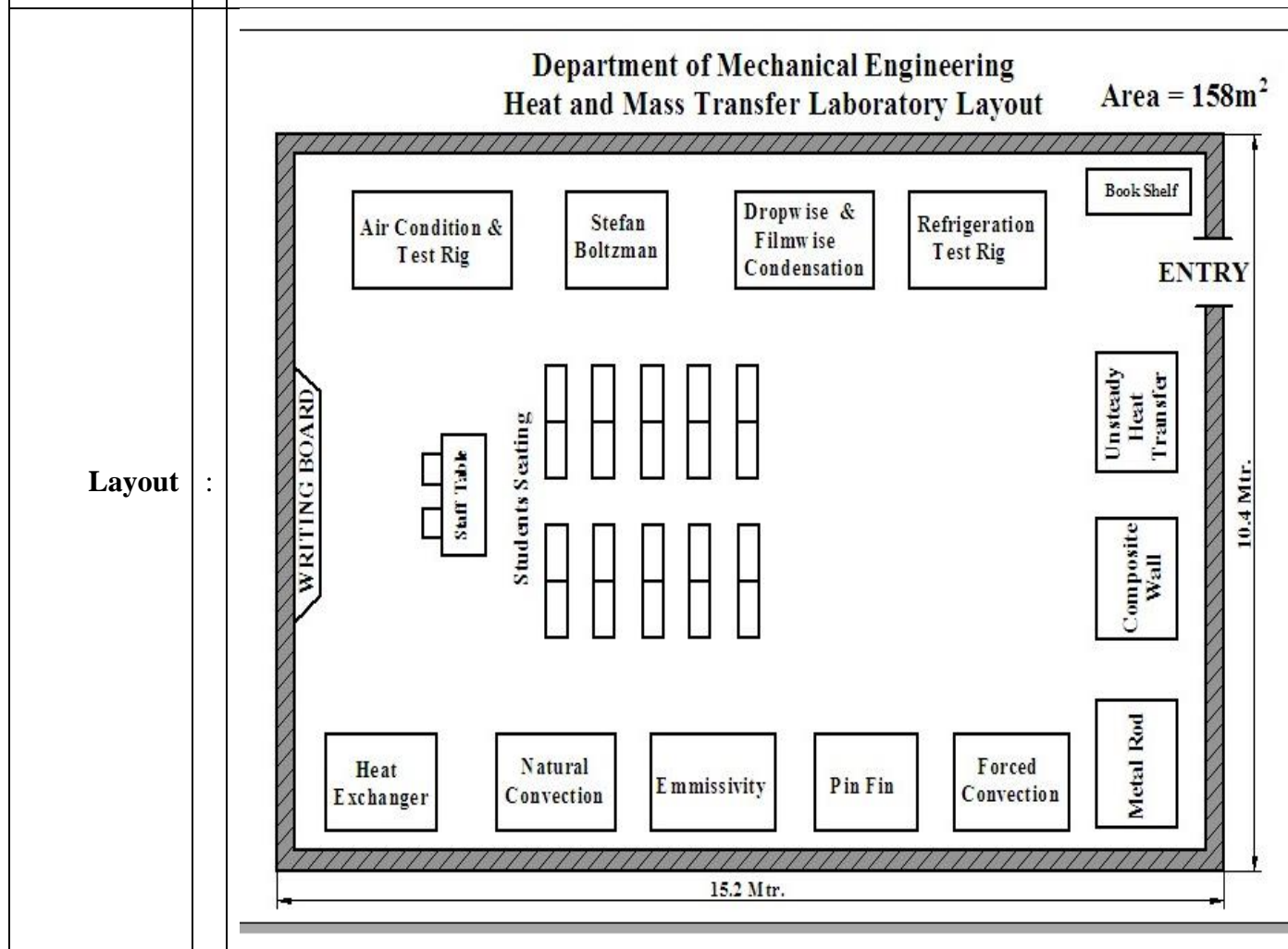


List of Equipment's

Sl. No.	Name of the Equipment's	Qty.
1	Moldings Boxes (12x12x4)	15
2	Dumbbells Split 6Ø	10
3	Single pieces pattern 6Ø	05
4	Split pattern grooved pulley	05
5	Round rammer, peen hammer, rectangular trowel Leaf trowel, lifter cleaner, vent wire, draw spicks, smothers, small leaf, Runner, Riser, Small cleaner, slick cleaner, all in the GI kit	10kit
6	Sand Sieve 1/8 HP single phase	01
	Sand Rammer with attachments	01
7	Permeability Tester water tank manometer, permeability chart and two orifices and siphon unit	01
8	Universal Sand Strength Testing Machine with compression, shear & Tensile attachment	01
9	Spirit Level	02
10	Mould Permeability Tester	01
11	Smithy Chimney Mild Steel Fabricated, with 2 HP Motor	04
12	Smithy Furnace 3x3'	04
13	Round Tongs	10
14	Flat Tongs	10
15	Bent Tongs	10
16	Hammers	10
17	Flatters	05
18	Swage (Top)	05
19	Swage (Bottom)	05
20	Upsetting Tongs	05
21	Shovels (Kite Brand)Std. Size	05
22	Shovels (Kite Brand) small	05
23	Swage Blocks cast iron 50kg	02
24	Sledge Hammers 2.5 kg	10
25	Anvils 50kg	05
26	Inter connecting pipes blower to furnace	04
27	Centrifugal Blower 5HP 2880rpm	01
28	Fokker	05
29	Crucible 20kg capacity (graphite)	01
30	Core Hardness Tester	01
31	Mould Hardness Tester	01
32	Clay Content Tester	01
33	Rapid Moisture Tester	01
34	Heat Treatment Furnace	01
35	Digital weighing balance 0.1grm accuracy	01
36	Flat Tongs	10
37	Half Round Tong	10
38	Square Tong	05

39	Upsetting Tong	10
40	L P G smithy furnace	02
41	LPG cylinder with gas (19kg)	03
42	Digital universal strength test machine	01
43	Welding machine 20v-250 vats	01
44	Welding machine oil cooled	01
45	Welding shield with glass	02
46	Welding goggles	05
47	Flat tongs	01
48	Welding wire brush	01
49	Welding gloves	01
50	Welding cable	01
51	Welding holder	02
52	Earthing clamp	01
53	Apron	01

Laboratory Name	: Heat Transfer Lab
Room No./Hall No.	: LG07
Area	: 158 m ²



Photos



List of Equipment's

Sl. No.	Name of the Equipment's	Qty.
1	Pin Fin Apparatus	01
2	Natural Convection Apparatus	01
3	Force Convection Apparatus	01
4	Emissivity Measurement Apparatus	01
5	Parallel Flow and Counter Flow Apparatus	01
6	Thermal Conductivity of Metal Rod	01
7	Composite Wall Apparatus	01
8	Stefan Boltzman Constant Apparatus	01
9	Drop/ Film Wise Condensation Apparatus	01
10	Vapour Compression Air Refrigeration Test Rig	01
11	Vapour Compression Air Condition Test Rig	01
12	Transient Conduction Apparatus	01

HOD Room

Name	:	ME-HoD Room
Hall No.	:	101
Area	:	57 m ²
Shared / Exclusive	:	Exclusive
Facility	:	<ul style="list-style-type: none">• one computer facilitie for HoD with internet connection• one computer facilitie for office with internet connection• wifi• Department Library<ul style="list-style-type: none">• Production 407 Volumes• Design 257 Volumes• Thermal 329 volumes• CAD/CAM 38 volumes• Total Volumes =1031 <p>1Printer,1 scanner • 1 table S-shaped with drawers attached with computer table 1 cushion wheelchair,7 S-type metal chairs,1 table • 4 plastic chairs,2 long wooden tables, 2 metal almirahs • 4 wooden book/file self, 3 fans,3 tube lights • 2 curtains,1 intercom telephone,1 dustbin • 1 departmental notice board,1 suggestion box • 1 attached wash room</p>

Laboratory Name	:	Machine Shop
Room No./Hall No.	:	LG03
Area	:	231 m ²
Photos	:	



List of Equipment's

Sl. No.	Name of the Equipment's	Qty.
1	Turner Brand All Geared head Lathes 4"	05
2	Turner Junior Belt Drive Lathe 6"	10
3	Shaping Machine 18"Stroke	02
4	AMT, Universal Horizontal geared Milling Machine	01
5	Amt, Winner Gujarat Make Radial Drilling Machine	01
6	Hydraulic Hack Saw Cutting Machine	01
7	Bench Grinder Medium Size	01

Laboratory Name

: Material Testing Lab

Room No./Hall No.

: LG06

Area

: 71m²

Photos






List of Equipment's	:	Sl. No.	Name of the Equipment's	Qty.
		1	Impact Testing Machine	01
		2	Monocular Metallurgical Microscope	01
		3	Universal Testing Machine	01
		4	Torsion Testing Machine	01
		5	Rock well Hardness Testing Machine	01
		6	Vickers Hardness Testing Machine	01
		7	Ultrasonic flaw Detector	01
		8	Brinell Hardness Testing Machine	01
		9	Fatigue Testing Machine	01
		10	Magnetic Crack Detector	01
		11	Double Disc polishing machine	01

Laboratory Name	:	Metrology & Measurements and Lab		
Room No./Hall No.	:	LG06		
Area	:	72 m ²		
List of Equipment's	:	Sl. No.	Name of The Equipment	Qty.
		1	Thermocouple with bridge circuit	01
		2	Thermometer with 1° c resolution	01
		3	Strain gage bonded load cell	01
		4	Strain gage bonded load cell Tension type	01
		5	Mechanical comparator with dial indicator	01
		6	Bevel Protractor	01
		7	Micrometer (25-50)	02

		8	Slip Gauges (83 pieces)	01
		9	Vernier Caliper 0 to 200 mm	01
		10	Adjustable Snap Gauge (25 to 32 & 44 to 51mm)	02
		11	Sine bar	01
		12	Magnetic base	02
		13	Strain gauge cantilever	01
		14	Dial gauge 0.01	01
		15	Surface plate	02
		16	Tool Maker's Microscope	01
		17	Lathe Tool Dynamometer	01
		18	Drill Tool Dynamometer	01
		19	Floating carriage Micro meter (2 /3 wire method)	01
		20	Profile projector	01
		21	Portable surface roughness (Tally surf)	01
		22	Auto coli Meter	01
		23	Optical Flat	01
		24	Monochromatic Light Source	01

Laboratory Name	:	Research and Development Lab
Room No./Hall No.	:	LG05
Area	:	66 m ²
Photos	:	



List of Equipment's	:	Sl. No.	Name of the Equipment's	Qty.
		1	Lenova Think- CPU &19"Monitor	03
		2	Pin-on-Disc Wear Testing Machine Programmable Spin coating system	01

Newsletter Faculty Coordinators

S. No.	Name	Designation	Qualification
1	Dr.Shankara Reddy R	Professor	Ph. D
2	Dr. Sangashetty S G	Professor	Ph. D
3	Dr. M N Shankar	Professor	Ph. D
4	Dr. Karthikeyan R	Professor	Ph. D
5	Dr.Mohan raj	Professor	Ph. D
6	Mr. C.Ramesh	Associate Professor	M.Tech
7	Mr.Vishwanath K C	Associate Professor	M.Tech
8	Mr.Satheesha V	Associate Professor	M.Tech
9	Mr.Sreenivasalu Reddy N	Associate Professor	M.Tech
10	Mr .Pramod koujalagi	Associate Professor	M.Tech
11	Mr .Thanuj Kumar M	Associate Professor	M.Tech
12	Mr.Dhanajay B S	Assistant Professor	M.Tech
13	Mr.Anand A	Assistant Professor	M.Tech
14	Mr.Praveen Kumar S P	Assistant Professor	M.Tech
15	Mr. B D Wadekar	Assistant Professor	M.Tech
16	Mr.Madhu K S	Assistant Professor	M.Tech
17	Mr.Radhakrishna R K	Assistant Professor	M.Tech
18	Mr.Ravi Kumar T	Assistant Professor	M.Tech
19	Mr.Mdhusudhan M	Assistant Professor	M.Tech
20	Mr.Shivalingaiah K	Assistant Professor	ME
21	Mr.Mahendra H M	Assistant Professor	M.Tech
22	Mr.Ravikiran H R	Assistant Professor	M.Tech
23	Mr. Yellappa M	Assistant Professor	ME
24	Mrs. Deepthi H.M	Assistant Professor	M.Tech
25	Mr.Palaksha C P	Assistant Professor	M.Tech
26	Mr.Suresh D	Assistant Professor	M.Tech
27	Mr.T .Manju	Assistant Professor	M.Tech

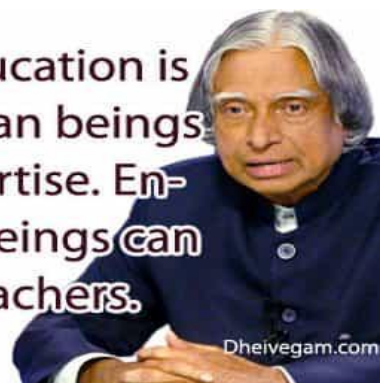


R & D and Innovation Centre



The purpose of education is
to make good human beings
with skill and expertise. En-
lightened human beings can
be created by teachers.

- A. P. J. Abdul Kalam



Department of Mechanical Engineering
RajaRajeswari College of Engineering
#14, Ramohalli Cross, Kumbalagodu, Bangaluru-560074, Karnataka, India.
