

## MANDATORY DISCLOSURES

### I. NAME OF THE INSTITUTION

Jyothy Institute of Technology  
Tataguni, off Kanakapura Road,  
Bengaluru – 560082.  
Fax: 080 - 28435052  
Mobile: 9535423635, 9742859408  
Email: principal@jyothyit.ac.in  
Web: www.jyothyit.ac.in

### II. NAME & ADDRESS OF THE DIRECTOR/ PRINCIPAL

Dr. K. Gopalakrishna  
Principal  
Jyothy Institute of Technology  
Tataguni, off Kanakapura Road,  
Bengaluru – 560082.

### III. NAME OF THE AFFILIATING UNIVERSITY

Visvesvaraya Technological University  
Belagavi, Karnataka, India

### IV. GOVERNANCE

#### (i) Members of the Board and their brief background

Sl. No.	Name	Brief Description	Designation
1	Mrs. B. V. Seetha	Managing Trustee, Jyothy Charitable Trust	Chairman
2	Shri M. Narasimhan	Trustee, Jyothy Charitable Trust	Secretary
3	Dr. V. R. Gowrishankar	CEO, Sringeri Mutt	Member
4	Shri B. K. Ramesh	Industrialist & Trustee, Jyothy Charitable Trust	Member
5	Shri. B. K. Sathyanarayana	Trustee, Jyothy Charitable Trust	Member
6	Dr. B. V. V. Subrahmanya	Trustee, Prof., Dept. of Civil Engg. MSRIT	Member
7	Mr. Rajesh. K	Trustee, Jyothy Charitable Trust	Member
8	Mrs. Suma Jagadeesh	Principal, Jyothy Kendriya Vidyalaya	Member
9	Dr. H. S. Nagaraja	Educationist	Member
10	Dr. Krishna Venkatesh	Director, CIIRC	Member
11	Mr. Sankara Narayan Gudalur	CEO, Jyothy Institute of Technology	Member
12	AICTE Nominee	Nominated by the AICTE, New Delhi	Member, AICTE Nominee
13	DTE Nominee	Director of Technical Education, Bengaluru	Member, DTE Nominee
14	VTU Nominee	Nominated by the VTU, Belagavi	Member, VTU Nominee
15	Dr. K. Gopalakrishna	Principal, Jyothy Institute of Technology, Bengaluru	Member Secretary

**(ii) Frequency of the Board Meetings and Academic Advisory Body**

Board meetings will be held normally once in 6 months or as and when required and the Academic Advisory Body will meet from time to time as related to the academic matters of the college.

**(iii) Organizational chart and processes**

Enclosed: [Annexure-1](#)

**(iv) Nature and Extent of involvement of faculty and students in academic affairs/improvements**

The faculties are involved in various activities including teaching, continuous assessment of students. Students are free to interact with their Teachers / proctors any time during teaching days or through e-mail, regular meetings, implementing student feed back mechanism. The different academic activities are carried out by the faculty members through various committees in close coordination with the students.

**(v) Mechanism / Norms & Procedure for democratic/good Governance**

- Regular feedback from students.
- Proper counseling of students by the Proctor and Head of the Dept. from time to time.
- Explanation by faculty members for the marks scored by students & guidance to students for further improvement.
- Encourage Faculty to participate in competitions/ event management.
- Faculty will be evaluated as per norms of API (Academic Performance Indicator) every semester. The details of API are available in the office.

**(vi) Student Feedback on Institutional Governance / faculty performance**

Feed back will be taken at regular intervals from the students and after analysis, the results will be given back to the faculty for further improvement if required.

**(vii) Grievance redressal mechanism for faculty, staff and students**

A proctor has been allotted for a batch of 15 to 20 students and the students can report their grievances to the Proctor. Student shall meet the proctor at least twice a semester. Staff can report their grievances to the Principal.

**Anti-ragging committee:**

Purpose: Students can approach the committee members any time through mobile numbers or SMS or e-mail or personally as and when they anticipate. The details of committees, mobile number and other details have been displayed on the notice board in all the floors and in all academic blocks.

**Committee details have been uploaded in the college web site**

**Anti ragging squad:**

Purpose: The squad regularly goes for rounds in the entire campus. They interact with lower semester students and find out whether incident of ragging has taken place. They then report the details to the Anti ragging committee.

**Committee details have been uploaded in the college web site**

## V. PROGRAMMES

### (1a) Name of the Programmes approved by AICTE

1. Civil Engineering
2. Computer Science & Engineering
3. Electronics & Communication Engineering
4. Information Science & Engineering
5. Mechanical Engineering

### (1b) Name of the Research Programmes approved by VTU

1. Research Centre in Engineering Chemistry
2. Research Centre in Mechanical Engineering
3. Research Centre in Engineering Chemistry

### (ii) Name of the Programmes accredited by the AICTE

Yet to be accredited

### (iii) For each Programme the following details are to be given:

#### Civil Engineering

Name	Number of seats	Duration	Cut off mark/rank for admission during the last three years	Fee	Placement Facilities	Campus placement in last three years with average salary
CE	60	4 years	20000-58000	1.21 lakhs for COMED K students, Upto 2 lakhs for Mgmt Students 0.56 lakhs for CET	Available	8, 9 lakhs

#### Computer Science & Engineering

Name	Number of seats	Duration	Cut off mark/rank for admission during the last three years	Fee	Placement Facilities	Campus placement in last three years with average salary
CSE	60	4 years	15000-55000	1.21 lakhs for COMED K students, Upto 2 lakhs for Mgmt Students 0.56 lakhs for CET	Available	112, 3.5 Lakhs

#### Electronics & Communication Engineering:

Name	Number of seats	Duration	Cut off mark/rank for admission during the last three years	Fee	Placement Facilities	Campus placement in last three years with average salary
ECE	60	4 years	14500-98000	1.21 lakhs for COMED K students, Upto 2 lakhs for Mgmt Students 0.56 lakhs for CET	Available	92, 3.5 Lakhs

#### Information Science & Engineering

Name	Number of seats	Duration	Cut off mark/rank for admission during the last three years	Fee	Placement Facilities	Campus placement in last three years with average salary
ISE	60	4 years	17500-105000	1.21 lakhs for COMED K students, Upto 2 lakhs for Mgmt Students 0.56 lakhs for CET	Available	22, 3.0 Lakhs

#### Mechanical Engineering

Name	Number of seats	Duration	Cut off mark/rank for admission during the last three years	Fee	Placement Facilities	Campus placement in last three years with average salary
ME	60	4 years	21000-122000	1.21 lakhs for COMED K students, Upto 2 lakhs for Mgmt Students 0.56 lakhs for CET	Available	66, 8.5 Lakhs

### (iv) Name and duration of programme(s) having affiliation/collaboration with Foreign University(s)/Institution(s) and being run in the same Campus along with status of their AICTE approval. If there is foreign collaboration, give the following details:

NIL

**V (a) Details of the Foreign Institution / University:**

**(i) Name of the University / Institution:** Not applicable

**(ii) Address :** Not applicable

**(iii) Website :** Not applicable

**(iv) Is the Institution/University Accredited in its Home Country:** Not applicable

**(v) Ranking of the Institution/University in the Home Country:** Not applicable

**(vi) Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country:**  
Not applicable

**(vii) Nature of Collaboration:** Not applicable

**(viii) Conditions of Collaboration:** Not applicable

**(ix) Complete details of payment a student has to make to get the full benefit of collaboration:** Not applicable

Not Applicable [V (a) section]

**(b) For each Collaborative/affiliated Programme give the following:**

**(i) Programme Focus:** Not applicable

**(ii) Number of seats:** Not applicable

**(iii) Admission Procedure:** Not applicable

**(iv) Fee:** Not applicable

**(v) Placement Facility:** Not applicable

**(vi) Placement Records for last three years with minimum salary, maximum salary and average salary:** Not applicable

Not Applicable [(b) section]

**(c) Whether the Collaborative Programme is approved by AICTE? If not whether the Domestic/Foreign Institution has applied to AICTE for approval as required under notification no. 37-3/Legal/2005 dated 16th May, 2005**

Not applicable

## VI. FACULTY

### (a) Branch wise list faculty members:

#### Civil Engineering

- (i) Permanent Faculty: 14
- (ii) Visiting Faculty: Nil
- (iii) Adjunct Faculty: Nil
- (iv) Guest Faculty: Nil
- (v) Permanent Faculty: Student Ratio: 1:15

#### Computer Science & Engineering

- (i) Permanent Faculty: 12
- (ii) Visiting Faculty: Nil
- (iii) Adjunct Faculty: Nil
- (iv) Guest Faculty: Nil
- (v) Permanent Faculty: Student Ratio: 1:15

#### Electronics & Communication Engineering

- (i) Permanent Faculty: 16
- (ii) Visiting Faculty: Nil
- (iii) Adjunct Faculty: Nil
- (iv) Guest Faculty: Nil
- (v) Permanent Faculty: Student Ratio: 1:15

#### Information Science & Engineering

- (i) Permanent Faculty: 12
- (ii) Visiting Faculty: Nil
- (iii) Adjunct Faculty: Nil
- (iv) Guest Faculty: Nil
- (v) Permanent Faculty: Student Ratio: 1:15

#### Mechanical Engineering

- (i) Permanent Faculty: 16
- (ii) Visiting Faculty: Nil
- (iii) Adjunct Faculty: Nil
- (iv) Guest Faculty: Nil
- (v) Permanent Faculty: Student Ratio: 1:15

#### Basic Science (Physics, Chemistry, Mathematics, Kannada, English, CIV, CIP)

- (i) Permanent Faculty: 13
- (ii) Visiting Faculty: 5
- (iii) Adjunct Faculty: Nil
- (iv) Guest Faculty: 3
- (v) Permanent Faculty: Student Ratio: 1:15

### (b) Number of faculty employed and left during the last three years

13 faculties have left during last three years

## VII. PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED

### Personal Profile



Fathers Name: Keshava Narayana  
Mothers Name: B.V.Rathnamma  
AGE: 54 Yrs  
DOB: 30<sup>th</sup> October 1962  
Blood Group: B+  
Marital Status: Married, Children : 2  
Nationality: Indian, Hindu

### Career Objective/Summary

To establish best practices and procedures and work hard for the development of the organization/institution

### Work Experience

- 1<sup>st</sup> Nov 2017 – till date  
Principal, Jyothy Institute of Technology
- 1<sup>st</sup> Aug 2016- Oct 2017  
Associate Director, Centre for Incubation, Innovation, Research and Consultancy ( CIIRC)  
Jyothy Institute of Technology  
Thataguni, Off Kanakapura Road, Bangalore -82
- 1<sup>st</sup> July 2007- 31<sup>st</sup> July 2016  
Associate Director, Centre for Emerging Technologies, Jain University
- Research and product development funded by National Agencies
  - Coordinate centre activities
  - Team Lead for consultancy activities
  - Academic faculty
- Associate Dean & Associate Director, School of Engineering and Technology, Jain University  
(Equivalent to Principal)
- Timely Revision of curriculum to connect with the industry need
  - Best practices & procedures for the smooth running of the institution
  - Promote student and staff funded projects
  - Effective and enthusiastic teaching
- April 2000 – June 2007  
Professor and Head, K.S. Institute of Technology, Bangalore
- Academic and Administrative responsibilities
  - Set high standards of ethics and morality among staff and students
  - Dedicated service
  - University Liaison
  - R&D activities of Mechanical Engineering Department

June 1986 – 1993  
Lecturer, SJC Institute of Technology  
1993-2000  
Assistant Professor, SJC Institute of Technology, Bangalore University

- Coordinator, MODROBS
- Effective Teaching and emphasis on mini projects

## Education

2011 Doctorate National Aerospace Laboratories-VTU  
Ph.D-Material Tribology  
1993 Masters National Institute of Engineering (NIE), Mysore University  
M Tech- PEST- Distinction  
1985 Graduation AIT, Mysore University  
BE- Mechanical Engineering- Distinction

### Contribution at CIIRC/JIT (Till Date)

- Layout of all Labs
- Establishment of all Labs
- Coordinator- Open Day
- Design and development of “**Explore**”, Training modules of CIIRC
- Student Admission to JIT
- Handling courses at JIT
- Six Proposals for funding
- Coordinator- Ecodriveathon’2017
- Member- IQAC for NBA
- MOU with several companies
- Coordinator for FDP funded by IEDC

## Achievements

### Publications:

1. **K G Krishna et. al**, Thermal performance of heat sink with fluid pockets for high power light emitting diode ,International Journal for Automotive and Mechanical Engg, Accepted for publication
2. **K.G.Krishna et.al** Novel spring loaded wear-test rig to test the material life of probes used in the indigenous six window gauging system, **ASTM:Journal of Testing and Evaluation**, Volume 46, Issue 5, June 2017
3. **K.G.Krishna et.al** ,Tensile Property Evaluation of Sisal – Glass Fiber Reinforced Polymer Based Composites, **International Journal of Composite Materials** 2017, 7(3): 77-81, DOI:10.5923/ j.cmaterials.201707 03.01
4. **K.G.Krishna et.al**, Studies on Performance of Multiwalled Carbon Nanotubes (MWCNTs) Based Thermal Interface Materials-Nanofluids For Efficient Heat Transfer in LED’s, **International Journal of Research in Engineering and Science**, ISSN (Online): 2320-9364, ISSN (Print): 2320-9356, 5(12), 70-77, 2016
4. **K.G.Krishna et.al**, Effect of Cryogenic Chill on Mechanical Properties of ASTM A 494 M Grade Nickel Based Alloy Metal Matrix Composites, **Materials Research**. 2016; 19(6): 1304-1309.
5. **K.G.Krishna et.al**, Studies on Mechanical Properties of Banana/E-Glass Fabrics Reinforced Polyester Hybrid Composites, **J. Mater. Environ. Sci.** **7 (9) (2016) 3179-3192**
6. **K.G.Krishna et.al**, Development of Novel additives for slideway lubricants, **Industrial Lubrication & Tribology**, Vol.67, Issue.2, 2016
7. **K.G.Krishna et.al** ,Potential applications of cellulose and chitosan nanoparticles/composites in wastewater treatment: A review, **Carbohydrate Polymers** 153 (2016) 600–618

8. **K.G.Krishna et.al** ,Studies on Mechanical Properties of Hemp/E-Glass Fabrics Reinforced Polyester Hybrid Composites, **Journal of Materials and Engineering Structures**,3,2016,117-128
9. **K.G.Krishna et.al**, Plating of Acrylonitrile-Butadiene-Styrene(ABS) Plastic: A review, **J. Mater. Sc**, DOI:1007/s 10853-015-9668-7, 2015
10. **K.G.Krishna et.al** Review on Mechanical Properties of Sisal and Banana Reinforced Composites, **International Journal of Engineering Research and General Science**, Volume 3, Issue 5, September-October, 2015  
ISSN 2091-2730
11. **K.G.Krishna et.al** Design and development of a gauging system for Ball cage component of Constant Velocity joint assembly, **Proc. IMechE Part B: J Engineering Manufacture**, 1–6, I Mech E 2015, sagepub.co.uk/journalsPermissions.nav, DOI: 10.1177/0954405414563422
12. **K.G.Krishna et.al** ,Performance Evaluation of an IC Engine using Oxyhydrogen as a fuel Supplement, **Journal of Scientific & Industrial Research**, CSIR, INDIA JSIR- 74, 2015
13. **K.G.Krishna et.al** Effect of heating of test pin above ambient temperatures on tribological behavior of two-phase and three-phase polystyrene composites, **Journal of Thermoplastic Composite Materials**,201X, Vol XX(X) 1–14,sagepub.co.uk/ journals Permissions.nav, DOI: 10.1177/0892705713513288, jtc.sagepub. com 2013
14. **K.G.Krishna et.al**, Tribological Studies on Effect of Mixture of Fillers in Polystyrene Matrix Composites, **Journal of Thermoplastic Composite Materials**,1–17 2012,sagepub.co.uk/journals,DOI: 0.1177/ 089270571247 0262.
15. **K.G.Krishna et.al**, Bulk Temperature Estimation of a Polymer Composite Pin, **Wear**, V 268, pp 346-351, 2010
16. **K.G.Krishna et.al** ,Tribological Studies of Polymer Based Ceramic Metal Composites Processed at Room Temperature”, **Wear**, V266, pp 878-883, 2009
17. **K.G.Krishna et.al** ,Coolant Lubricity and Coolant Lube Compatibility with Regard to Slideway Behavior, **Journal of the Brazilian Society of Mechanical Sciences and Engineering**, V 30, No 4, pp 281-285, 2008
18. **K.G.Krishna et.al** , Design and Development of Advanced Linear Reciprocating Tribometer, **Wear**, V267, pp 1111-1116, 2009
20. **K.G.Krishna et.al**, A study on integration of acetone charged copper pipes (ACCP) to MR16 indoor lighting solutions, **Journal of CPRI**,Vol. 9, No1, March 2013, Pp.163-168
21. **K.G.Krishna et.al** , Heat Transfer Analysis of a 7.5 W LED load with passive and active cooling for constant luminance applications, **Journal of CPRI**,Vol. 9, No4,Dec 2013, Pp.583-592

#### International /National Conferences

1. **K.G.Krishna et.al**, Studies on Wear Behavior of Aluminum and Copper Particulate Filled Polymer Composites, **International Conference on Advanced Composites** at IISc,2011
2. **K.G.Krishna et.al** ,Studies on Wear Behavior of Particulate Filled Polymer Composites, **World Tribology Congress 2009**,Sept 6-11, Kyoto, Japan
3. **K.G.Krishna et.al**, The Potential of MEMS in Indian Automotive Sector, National Conference on MEMS , **CPRI**, Bangalore
4. **K.G.Krishna et.al**, A Review of Thermal Management of LED Lighting Systems, **National Conference on Thermal Engineering and Allied(NCTAE2012)**, 20<sup>th</sup> and 21<sup>st</sup> January, 2012, GAT Bangalore
5. **K.G.Krishna et.al**, Study of Mechanical Properties of Nickle electroplated ABS Plastics developed by FDM Process-Poster Presentation, **National Conference on Advanced Functional Materials** at D.S. University
6. **K.G.Krishna et.al**, International Conference on Industrial tribology ( ICIT), Some Studies on Coolant Deterioration-IISc

#### **MEMBERSHIP OF PROFESSIONAL BODIES**

Membership of Professional Bodies:

- Fellow, Institution of Engineers-F117163-8
- Fellow, Indian Institute Production Engineers-SLF-5966



## FUNDED PROJECTS

- Life Member, Indian Society of Technical Education-LM4816
- Member, Indian Society for Advanced Materials and Process Engineering-L613
- Life Member, Tribology Society of India-3753

### Journal Referee:

- **Journal of Thermoplastic Composite Materials** since 20-8-2014  
Impact Factor: 0.922 , Sage Publication
- **Energy & Fuels**-2015 Impact Factor: 2.835  
Indexed/Abstracted in: CAS, SCOPUS, EBSCOHost, Thomson-Gale, British Library, and Web of Science
- **Journal of Industrial Textiles**, SAGE Journals  
Indexed by Chemical Abstracts Service (CAS)  
Compendex

### Doctoral Guidance:

Currently Guiding five Doctoral Scholars, **One awarded PhD**

### Funded Projects: Ongoing-PI (Naval Research Board-DRDO)

- **Design and Development of an Autonomous Amphibian Vehicle for Harbor Security Operations, No:DNRD /05/4003 /NRB /286/ 12th FEB2013, Project No: NRB/286/MAR/12-13, Feb12th 2013, Rs 24.23 Lacs-Ongoing-PI**

#### Abstract:

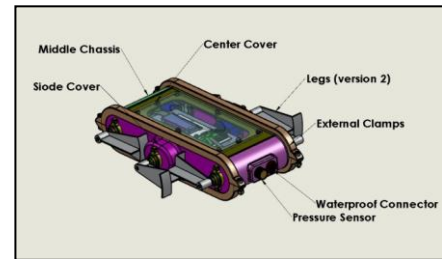
Capability of autonomous/semi autonomous underwater vehicles to work in the shallow water is critical to many military and civilian applications. It would be ideal to possess one such robot which can work as an amphibian. The amphibian can be deployed to serve different purposes such as coastal surveillance and shallow water exploration. These autonomous systems need to possess the right kind of capabilities such as good endurance, command and control, easy operability, leak proof and ready to perform under harsh environments.

The objective of the project is design and development of autonomous amphibian vehicle robot for harbor security operations. The robot has six legs and at any given instant of time three of its legs would be on the ground and the other three in the diametrically opposite position. The time of contact with the ground is equal to the time it takes to complete the rest of the revolution. The legs spend little time while moving in air. The leg is designed to function as leg on ground and paddle in water. Each leg operates with a separate servomotor for independent control of each leg for easy maneuverability. The robot can change direction in case it encounters an obstacle of large size. It has a powerful servomotor which provides necessary torque to climb uphill and coast down the hill.

The legs of the amphibian would transition into paddles after it enters the water . This would be taken care by a sensor. The amplitude and frequency of the leg would provide the necessary forward thrust. The six paddles generate the required thrust. The movement (surge, sway or heave) through water is controlled by the servomotors. Diving into water is done with the paddle movement and also the yaw movement. The robot is preprogrammed to operate on water.

The size of the proposed robot is 50 cm L X 25cm W x 10 cm H, Total mass = 3.9978 kg, Total

Volume= 4.2 liters, Forward velocity:0.25-0.5 m/s. The robot is tested on ground and under water.



• **Development of post processing infrastructure for RP ABS component plating for surface integrity enhancement-Co PI**

Funding Agency: DRDO, GTRE/MMG/BMRP/4001/09

**Rs.46.64 Lakhs**

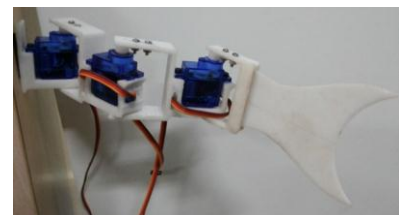
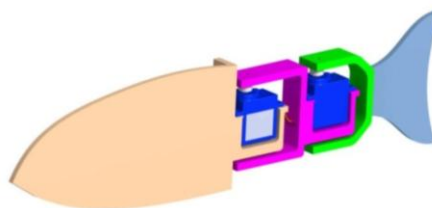
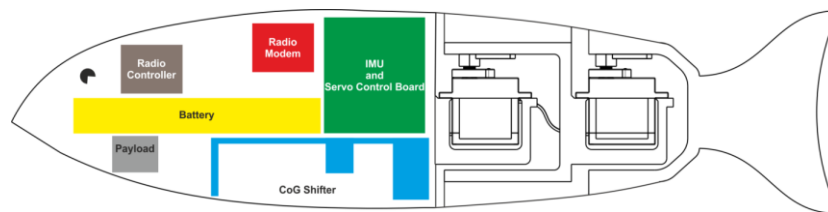
Abstract:**Nickel-chromium plating of RP-ABS parts requires several sequential steps consisting of chemical reduction and electroplating processing methodology. The project involved development of a coating facility, production of test samples by RP and coating of the same.**

• **Design and development of a Robotic Fish-Co-PI (DRDO)**

DNRD/05/4003/NRB/304, 19<sup>th</sup> Dec 2013(Ongoing).

**Rs. 49.15 Lakhs**

**PROJECT DESCRIPTION:** The robotic fish has two Servo driven linkages to drive the tail fin which would facilitate oscillatory motion of the fin leading to creation of forward thrust for the movement of the fish. Carangiform locomotion will be achieved by providing calculated angular offset and phase difference to each servo. Depth will be controlled by a moving mass which offsets the CoG and thrusting to achieve required depth.



- **Feasibility studies on development of surface integrity and strength characteristics of rapid prototyped components to enable their direct application in design and development activities of pay load for space craft, ISRO/RES/3/603/12-13, Feb 12th**

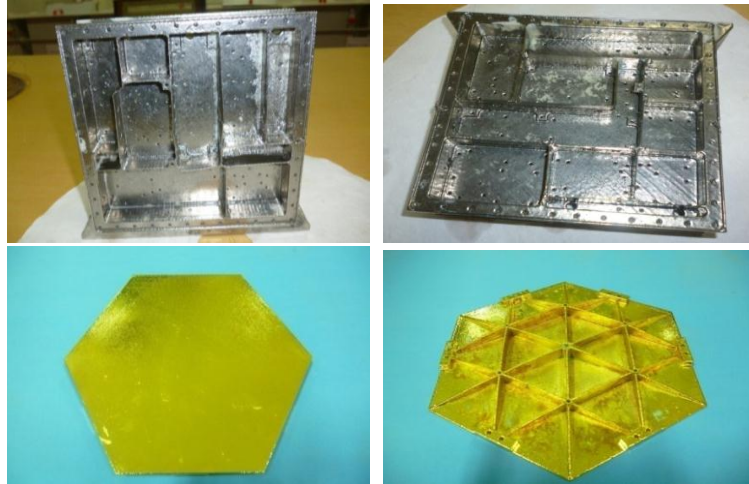
### 2013 - Joint -PI

**Funding Agency: DOS – ISRO, ISRO/RES/3/603/12-13**

**Rs.20.73 Lakhs**

#### **Abstract:**

The project envisages on increasing the surface strength of R P components for space components. The components developed through the RP route suffer from loss of surface integrity due to porous structure and hence cannot be deployed for space applications. The properties can be enhanced through surface treatment.



- **Development of Multiwall Carbon Nanotubes-Composites based Nanofluids (Thermal Grease) and their use in heat transfer applications-ISRO-Recommended**

A project proposed to ISRO for the development of CNT based thermal paste for improved heat transfer. The paste is indigenous product.

- **Development and fabrication of rp products for the healthcare, consumer and sporting segments – Co- Promoter**

**Funding Agency: DIC-KCTU, Approved**

**Rs.100 Lakhs**

#### **Objectives**

Develop product prototypes as per the needs of the following industry segments.

- Healthcare Industry
- Consumer & Sports Market

#### **Potential Key Outcomes**

- Toys for Juvenile arthritis affected children, Prosthetic devices, Medical Implants
- Idol creation, Insignia
- Moulds for foot wear soles and sports paraphernalia
- Development of low cost prototypes
- Possible establishment of a state of the art 3D digital fabrication lab

#### **Student Projects:**

Sponsored projects – KSCST - 2

AICTE (MODROBS)-1-6.36 Lacs-1998

Institutional Projects- 50- In-house

#### **Award winning Projects:**

- Nov 19-20<sup>th</sup> 2009, UMAG (Universal Machine for Agriculture ), One in Top 20 , Innovate India, National Technical Competition for Engg Students conducted by NRDC, at IISc.
- Nov 19-20<sup>th</sup> 2009, Super conductor based rail traction, 4<sup>th</sup> Place, Innovate India, National Technical Competition for Engg Students conducted by NRDC at IISc.

**Books:**

Coauthored a **Monograph** on Micro Aerial Vehicles released in the **Indian Technology Congress** held at Nimhans Convention Centre on 21<sup>st</sup> Aug 2014 organized by Institution of Engineers

**On selection Panel of Other Institutions:**

02

**Consultancy:**

- Team Lead- Titan Jewellery Co, Lead a team of 16 scientists on consultancy projects
- Providing Consultancy in the area of Tribology for Industries/ colleges/Universities
- Assisted KAPTRON Technologies in the wind tunnel experimental techniques and measurements
- Consultant to AVNI Energy Solutions Pvt Ltd, Bangalore

**Patents (Filed)**

- **Composite paste to buildup surfaces and the process of making paste**  
No:4903/CHE/2012 Dated: 26<sup>th</sup> Nov 2012

**Abstract:**

The novelty in the proposed patent has development of a polymeric paste to rebuild and revitalise worn out surfaces of machine tool slideways. The embodiments include use of the same paste to fill cracks in metal structures.

- **Design and development of low cost thermal paste**  
Regn.No: HQ/IPR/FA/12057/2012 4<sup>th</sup> Jan 2013

**Abstract:**

The novelty of the patent is development of indigenous thermal paste for improved heat transfer. The paste has CNT for increased heat transfer. This product has enormous applications in LED industry.

- **Development of additive based lubricants for sliding surfaces**  
Regn.No: HQ/IPR/FA/12059/2012, 4<sup>th</sup> Jan 2013

**Abstract:**

The novelty includes development of an additive based lubricant to improve lubrication under high load.

- **Circuitry for optimizing fuel consumption in an internal combustion engine''**  
NRDC Ref No: IPR/FA/13030/2014, Patent Application No. 3798/CHE/2014 dated 02.08.2014

**Abstract:**

The novelty of the patent includes development of a circuitry for reduced fuel consumption of a 4 wheeler. The fuel consumption for idle running when a vehicle is coasting down the gradient is reduced.

- **Checking guage for a work piece, 2288/che/2014, 08/05/2014**

**Abstract:**

The novelty of the proposed patent includes design and development of a six window checking gauge for checking the window size of a steering component of an automobile. The component has six windows to be checked for their window height.

**Personal Awards:**

Won second place in IDEA contest for patents conducted by **Jain University**, for 'Design and development of a leg operated laptop cooler'. held on 26<sup>th</sup> April 2013

**Overseas Visits:**

- Had visited KYOTO in japan to present a paper in world Tribology Congress 2009, Could establish contact with giants of Tribology Domain.
- **Led a team of Faculty to Germany for University tie-up with German Universities in the area of Energy**

Led a team of faculty to Germany for university tieup. Visited many Universities and solar Technology parks for future tie-ups.

Established TUV Rhineland –**sequa** (Germany) Programme on Energy Engineering, Energy, Management and Climate Change Technology (**200 Lakhs**)

**Software packages known:**

- AUTOCAD
- ANSYS
- UGS-Solid edge

**Details of guest lecture / invited talks delivered (Resource Person):**

- Sahyadri College of Engineering-Composites
- MITS, Andhra Pradesh-Advanced Materials
- MSRIT- Faculty development programme
- MSRIT- Technical talk on MAVs
- BNMIT
- KSIT and many more

**Academic Excellence:**

- Currently promoting R&D and consultancy in the research centre
- Induction of new University Syllabus, worked as Member- BOE, Member-BOS, Dean-Academics, Member-Academic Council
- Worked at various academic capacities-Lecturer, Asst Professor, Professor, Principal-in-Charge, Associate Dean and Associate Director
- Passionate to teach Thermal Engineering courses, Energy Engineering, Production Engineering Courses, Hydraulics and Pneumatics and Composite Tribology
- SUBJECTS TAUGHT:

**UnderGraduation:**

Thermodynamics, Applied Thermodynamics, Conduction Heat Transfer, Manufacturing Process 1, Manufacturing process 2, Modern Manufacturing Engineering, Tribology, Composites, Computer Aided Engineering Drawing, Computer Aided Machine Drawing, Turbo Machines, Mechanical Engineering Sciences.

**Post Graduation**

**PG Course: Energy Engineering and Climate Change Technology**

Conventional Energy Conversion Systems, Energy Conversion and Utilization

**Ph.D**

## Mechanical Engineering Core Course

### **Student Projects :[Select]:**

- Design and Development of Mulberry Cutting Machine 1996, K.S.C.S.T-UG
- Design and Development of Battery Assisted Bicycle, 1997, K.S.C.S.T-UG
- Design and development of a Universal Machine for Agriculture, UMAG, Featured in Top 20 of Project Competition conducted by National Research and Development Corporation at IISc Bangalore, 2009-UG Project Competition
- Design and Development of “Development and Integration of Heat Pipes for Casted Led Street Light” Joint project with Avni Energy Solutions- Avasarala Automation Technologies-Centre for Emerging Technologies<sup>®</sup>, Jain University,2011-PG
- Design and Development of a Heat Sink for 9 Watt MR16 down Light- Joint project with Avni Energy Solutions-Centre for Emerging Technologies<sup>®</sup>, Jain University,2011-PG
- A Comparative Study of thermal behavior of A 9 Watt LED lighting system with CNT, Thermoelectric and Fin for Heat Transport- Joint project with Avni Energy Solutions- Centre for Emerging Technologies<sup>™</sup>, Jain University,2012-PG
- Formulation and Development of a thermal paste for heat transfer through CNT route-PG
- Heat transfer studies on thermal heat sink with capillary tubes-PG

### **Training Activities:**

- Organized Training on Hydraulics and Pneumatics for 3 weeks at FESTO controls India, Bangalore.
- Trained on Hydraulics at Bosch Rexroth for three days, Peenya, Bangalore
- Six –Sigma Course at the CET, Jain University

#### Industrial Training:

- CNC machines programming at CADEM Technologies
- Trained on Hydraulics at Bosch-Rexroth, Peenya, Bangalore
- Trained on Tribology conducted by VTU.
- Trained on six sigma
- Trained on IPR and related issues.
- Trained on FEA at ANSYS corporation
- Trained on Mechatronics at FESTO controls pvt. ltd, Bangalore
- Trained on Solar PV Technologies, Power Plants, Economics and related topics at KPC, Bangalore Conducted by Orbutus Consulting Agency, New Delhi

### **Workshop/Conference/Symposia (Select):**

- PV-Solar-Opportunities,13<sup>th</sup> May 2010 at Jain Global Campus
- One day workshop on White Space Finding (DRDO),Bangalore on 30<sup>th</sup> April 2010.
- One day workshop on ‘Conservation of energy and Management’ at JSSATE Bangalore27<sup>th</sup> April2010 at Jain Campus J.C.Road, Bangalore.
- Lecture on PV by Dr.Joy Mukhopadhyay TUV Rhineland on 25<sup>th</sup> April 2010 at Jain Campus, J.C.Road, Bangalore.
- Lecture on PV by Dr.S.R.C.Satyanarayana, Underwriters Lab on 24<sup>th</sup> April 2010.
- One day workshop on Awareness on TEQIP Ph-II at MSRIT, Bangalore on 15<sup>th</sup> April 2010.
- One day workshop on PV at TUV Rheinland ,Bangalore, on 25<sup>th</sup> March2010
- Trained on Mechatronics at Festo Didactic Centre Bangalore (15 Days)

## Hobbies and Interests

- Workshop on CAED at MCE Hassan, conducted by VTU on 14<sup>th</sup> Sept 2006.
  - Industrial Hydraulics Bosch Rexroth, during Feb 28th to Mar 4th '2006
  - Micro & Smart systems during Jan 16<sup>th</sup> to Jan 21<sup>st</sup> '2006
  - Three-day workshop on Hydraulics and Pneumatics at Mico-Bosch, Bangalore from 29<sup>th</sup> to 31 Aug 2005.
  - 15 day workshop on Intellectual Property Rights at IGIT from 16<sup>th</sup> April to 5<sup>th</sup> May 2005.
  - Reforms in Conduct of Examination Process, VTU during Apr 4<sup>th</sup> & 5<sup>th</sup> '2004.
  - Short term training programme on FEM during Oct-Dec '2001
  - NBA's Accreditation Awareness Workshop during Oct 5<sup>th</sup> 2001
  - Introduction to Computer graphics during Sep'2001 (one month)
  - Diploma in ACAD, Prajwal systems during Oct 2000 to Jan 2001
  - Business Pro, Genesis Software solutions during Nov 3<sup>rd</sup> to Dec 20<sup>th</sup>, 1999
  - Workshop codes of practice in Engg drawing & M/C drawing at PESCE during Nov 13<sup>th</sup> & 14<sup>th</sup> '1999
  - Modern computational Mathematical techniques to analysis random response data at SJCIT during Aug 16<sup>th</sup> to Aug 28<sup>th</sup> 1999
  - Fourier Wavelets Analysis in Engg. & Technology at SJCIT during May 19<sup>th</sup> to May 21st 1999
  - Seminar on I.C engine & related fields at BLDEA college of Engg & technology during Nov 22<sup>nd</sup> & Nov 23<sup>rd</sup> '97.
  - Three day workshop on Agile Manufacturing from 14<sup>th</sup> to 16<sup>th</sup> June1996.
  - Introduction to Futurology at UVCE, Bangalore during Apr 11<sup>th</sup> to Apr 12<sup>th</sup> '89
- 
- Yoga, Listening to Music, Singing Songs, Stage Act
  - Table Tennis, Chess

## VIII. FEE

### (i) Details of fee, as approved by State fee Committee, for the Institution.

- (a) Government seats: As per State government norms which will be announced from time to time by Karnataka Examination Authority (Refer web site [www.kea.kar.nic.in](http://www.kea.kar.nic.in))
- (b) Management seats: As per COMED-K norms (Consortium of Medical, Engineering & Dental colleges of Karnataka) which will be announced from time to time by COMED-K. (Refer web site [www.comedk.org](http://www.comedk.org))

### (ii) Time schedule for payment of fee for the entire programme.

Annually before 30<sup>th</sup> September of each year

### (iii) No. of Fee waivers granted with amount and name of students.

The details are announced in the home page of our web site (Refer web site [www.jyothyit.ac.in](http://www.jyothyit.ac.in))

### (iv) Number of scholarship offered by the institute, duration and amount

The Institute will offer scholarship/ fee waiver every year for meritorious students as per the norms of Jyothy Charitable Trust. The details are available in the office.

### (v) Criteria for fee waivers/scholarship.

As per norms of Jyothy Charitable Trust.

### (vi) Estimated cost of Boarding and Lodging in Hostels.

Rs. 48000/- per year

## IX. ADMISSION

### (i) Number of seats sanctioned with the year of approval.

Name of the course	No. of students sanctioned Intake
Civil Engineering	60
Computer Science & Engineering	60
Electronics & Communication Engineering	60
Information Science & Engineering	60
Mechanical Engineering	60

### (ii) Number of applications received for the academic year 2017-18 for admission under Management Quota and number admitted.

Sl. No.	Course	No. of applications received	No. of students admitted
1	Civil Engineering	Admissions are made as and when students approach the campus during admission period.	32
2	Computer Science & Engineering		59
3	Electronics & Communication Engineering		55
4	Information Science & Engineering		51
5	Mechanical Engineering		43
Total			<b>240</b>



## X. ADMISSION PROCEDURE

**(i) Mention the admission test being followed, name and address of the Test Agency and its URL (website).**

The students are admitted based on their performance in CET/ COMED-K

**(ii) Number of seats allotted to different Test Qualified candidates separately [CET (State conducted test/University tests)/Association conducted test]**

55% for COMED-K & 45% for CET

**(iii) Calendar for admission against management/vacant seats:**

**(a) Last date for request for applications:** Every 1st of July

**(b) Last date for submission of application:** Every 10th of July

**(c) Dates for announcing final results:** Every 11th of July

**(d) Release of admission list (main list and waiting list should be announced on the same day):** Every 12th of July

**(e) Date for acceptance by the candidate (time given should in no case be less than 15 days)** Yes, a time of 15 days is always allowed for acceptance.

**(f) Last date for closing of admission:** Every 30th of July

**(g) Starting of the Academic session:** Every 1st of August.

**(h) The waiting list should be activated only on the expiry of date of main list:**  
This regulation is being followed.

**(i) The policy of refund of the fee, in case of withdrawal, should be clearly notified.**  
Yes, the fees will be refunded in case the student wishes to withdraw his admission on his request during the beginning of academic year.

## XI. CRITERIA AND WEIGHTAGES FOR ADMISSION

**(i) Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.**

Criteria will be given for those students whose performances are taken considering the ranks in COMED-K & CET.

**(ii) Mention the minimum level of acceptance, if any.**

As per norms of AICTE which will be notified from time to time.

**(iii) Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.**

Merit list will be announced in the web site.

**(iv) Display marks scored in Test etc. and in aggregate for all candidates who were admitted.**

Results will be announced in the web site.

**Item No I - XI must be given in information brochure and must be hosted as fixed content in the website of the Institution.**

**The Website must be dynamically updated with regard to XII-XV.**

## XII. APPLICATION FORM

**Downloadable application form, with online submission possibilities.**

Application form can be downloaded from College website: [www.jyothyit.ac.in](http://www.jyothyit.ac.in)

## XIII. LIST OF APPLICANTS

List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats.

Details are available in the web site.

## XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

**(a) Composition of selection team for admission under Management Quota with the brief profiles of members**

Admission as per COMED-K norms.

**(b) Score of the individual candidates admitted arranged in order of merit.**

Details are available in the web site during admission period only.

**(c) List of candidates who have been offered admission.**

Details are available in the web site during admission period only.

**(d) Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.**

Details are available in the web site during admission period only.

**(e) List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.**

Details are available in the web site during admission period only.

## XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

### LIBRARY:

**Number of Library books/Titles/Journals available (programme-wise)**

S. No	Course(s)	Number of titles of the books	Number of volumes	Journals	
				National	International
1	CE	238	1605	07	VTU-Consortium Springer, Elsevier, ASCE, Taylor & Francis, Proquest, Knimbus
2	CSE / ISE	589	3047	12	
3	ECE	440	2140	07	
4	ME	329	2429	07	
5	Basic Science	150	919	07	
<b>Total</b>		<b>1746</b>	<b>10140</b>	<b>40</b>	

### E-Library facilities

We have subscribed through VTU consortia.

### LABORATORY:

For each Laboratory

List of Major Equipment/Facilities:

## Department of Computer Science & Engineering

<b>Sl. No.</b>	<b>Name of Laboratory</b>	<b>Carpet Area (Sq.mt.)</b>	<b>Major Equipment's</b>
1	1. Systems Software & Operating Systems Laboratory(10CSL58) 2. Unix System Programming and Compiler Design Laboratory (0CSL68)	165	1. Personal computer- Intel dual core CPU, 2 GB Ram, 200 GB Hard disk 60 no's 2. Projector – 1 3. Screen - 1
2.	1. Database Applications Laboratory (10CSL57) 2. Web Programming Laboratory (10CSL78) 3. Project Work (10CS85) 4. Computer Concept and C Programming Laboratory (10CPL16/26)	165	1. Personal computer- Intel i3 CPU, 4 GB Ram, 500 GB Hard disk 46 no's 2. Projector – 1 3. Screen - 1
3.	1. Data Structures with C/C++ Laboratory (10CSL37) 2. Design and Analysis of Algorithms Laboratory (10CSL47) 3. Computer Graphics and Visualization Laboratory (10CSL67) 4. Networks Laboratory(10CSL77) 5. Computer Concept and C Programming Laboratory (10CPL16/26)	165	1. Personal computer- Intel i3 CPU, 4 GB Ram, 500 GB Hard disk 60 no's 2. Projector – 1

## Department of Information Science & Engineering

Shared with Computer Science & Engineering

Department of Electronics & Communication Engineering

SLNO	NAME OF THE LABORATORY	CARPET ARE IN Sq .m	MAJOR EQUIPMENTS AVAILABLE
1	Analog electronics Lab	178.5	Cathode Ray oscilloscope DC power supply Signal Generator Fixed power supply DRB,DCB,DIB Multimeter
2	HDL lab		PC's HDL Kits
3	Power electronics Lab		Series & Parallel DC,AC motor controller Half & Full wave controller
4	Microprocessor		PC's 8086 Interfacing Kits
5	Microcontroller Lab	178.5	PC's 8051 Interfacing Kits MSP430 Starter kits
6	Logic design lab		Digital Trainer Kits IC tester
7	VLSI Lab		PC's Mentor Graphics S/w
8	DSP Lab		PC's DSP Starter kit
9	Analog communication + LIC lab	357	Cathode Ray oscilloscope DC power supply Function Generator Fixed power supply DRB,DCB,DIB Multimeter IC tester
10	Advanced communication lab		Cathode Ray oscilloscope DC power supply Function Generator Fixed power supply DRB,DCB,DIB Multimeter IC tester Digital Comm. Kits Microwave Components

Department of Basic Science

Sl. No.	Name of the Laboratory	Carpet Area (Sq.mt)	Major Equipments available
1	Physics Lab	200	Spectrometer, BH Curve apparatus, Fermi energy kit, Battery eliminator, Transistor characteristics apparatus, Stefans constant apparatus, Charge and discharge capacity, Black box, Photo diode kit, Laser, Newton's Ring, Ultrasonic Interferometer, Four probe method.
2	Chemistry Lab	200	Electronics Balance, Hot air oven, Distillation plant, Digital potentio meter (2 Nos.), Photo calorie, meter, Digital flame photometer, Delux PH meter, Digital conductivity meter, Magnetic Stirrer, Digital Thermometer wall

## Department of Mechanical Engineering

SL.NO	NAME OF THE LABORATORY	Carpet Area in Sq.mt	MAJOR EQUIPMENTS	
1	BASIC WORKSHOP LAB	148.96 + 11.59 (Foreman Room)	1	Bench Grinder
			2	AC Arc Welding M/c
			3	Hand grinding M/c
			4	Bench Vice
			5	Vernier height gauge
			6	Vernier Caliper
			7	CobminationSet
			8	Anvil
			9	Granite Surface Plate with stand
			10	Angle Plate
			11	V Block
2	CAED LAB	201.925 + 23.76(Server Room)	1	Computer systems 1GB RAM with Monitor
			2	LCD Projector with Screen
			3	CANON Laser Jet Printer 1022
			4	Solid Edge Software - ST4
3	CAMD LAB	95.53	1	Computer systems 1GB RAM with Monitor
			2	LCD Projector with Screen
			3	CANON Laser Jet Printer 1022
			4	Solid Edge Software - ST4
4	MATERIAL TESTING LAB	121.64	1	Universal Testing M/c
			2	Torsion Testing M/c
			3	Impact Testing M/c
			4	Brinell & Rockwell Hardness Testing M/c
			5	Vickers Hardness Testing M/c
			6	Fatigue Testing Machine
			7	Electronic Digital Weighing balance
			8	Ultrasonic Flaw detector
			9	Magnetic Crack Detector
			10	Trinocular Metallurgical Microscope with specimens
			11	Double disc Polishing Instrument
			13	Silicon Carbide rod Tilting Furnace
			4	FOUNDRY & FORGING LAB
2	Permeability Testing M/c			
3	Clay Washer			
4	Rapid Moisture tester			
5	Tensile Strength Attachment			
6	Mould Hardness Tester			
7	Core Hardness Tester			
8	Sand Rammer			
9	Silicon Carbide rod Tilting Furnace			
10	Mould boxes			
11	Electronic Digital Weighing balance			
12	Crucible			
13	Electrical Specimen drier			
14	Anvil			
15	Swage Block			
16	Moulding tool Kit			
5	MEASUREMENTS & METROLOGY LAB	95.9	1	Optical Profile Projector
			2	Tool makers Microscope
			3	Floating Carriage Micrometer with Accessories
			4	3 wire set with accessories
			5	Sine bar - 0-200mm
			6	Sine Centre 0-200mm
			7	Gear tooth vernier 1-26 mm
			8	Gear tooth micrometer 0-25 mm
			9	Calibration of LVDT with calibration Jig
			10	Strain Gauge to determine modulus of elasticity
			11	Autocollimeter
			12	Lathe Tool Dynamometer
			13	Drill Tool Dynamometer
			14	Slip Gauges
			15	Optical Flats with Monochromatic Light Source
			16	Outside Micrometer
			17	Outside Micrometer
			18	Outside Micrometer
			19	Outside Micrometer
			16	V-Block
			17	Calibration of Pressure Gauges
			18	Calibration of Thermo Couple
			19	Calibration of Load Cell
			20	Granite Surface Plates with stand
			21	Surface roughness measuring Equipment
22	Vernier Caliper (0-150 mm)			
23	Vernier Caliper (0-200 mm)			
24	Digital vernier (0-150mm)			
25	Digital vernier (0-200mm)			

			26	Micrometer (0-25mm) with stand
			27	Micrometer (25-50mm) with stand
			28	Screw thread micrometer (0-25mm)
			29	Digital Micrometer (0-25mm)
			30	Dial Indicator
			31	Vernier Height gauge
			32	Universal Bevel Protractor
			33	Radius Gauge
			34	Thickness gauge
			35	Thread Pitch Gauge
			36	Bore Gauge with Micrometer head
			37	digmatic dial indicator
			38	Telescopic Gauge
6	MACHINE SHOP	203.13	1	Lathe Machine with Accessories
			2	Shaping Machines with Accessories
			3	Universal Milling Machines with Accessories
			4	Radial Drilling Machine with Accessories
			5	Surface Grinding Machine & Accessories
			6	Tool Grinding Machine
			7	Granite Surface Plates with stand
			8	Vernier Caliper (0-150 mm)
			9	Vernier Caliper (0-200 mm)
			10	Digital vernier (0-150mm)
			11	Digital vernier (0-200mm)
7	ECE LAB	98.32	1	Abel pensky & Marten's apparatus (closed)
			2	Cleveland apparatus (open cup)
			3	Abel's apparatus for flash & fire point
			4	Boy's Gas calorimeter
			5	Bomb Calorimeter
			6	a)Redwood viscometer 1 for Viscosity less than 2000 seconds
			7	b)Redwood viscometer 1 for Viscosity more than 2000 seconds
			8	Say-bolt viscometer
			9	Torsion viscometer
			10	Junker's Calorimeter
			11	cut section model of 4-stroke diesel engine Single cylinder
			12	cut section model of 4-stroke Petrol engine Single cylinder
			13	cut section model of 2-stroke Petrol engine Single cylinder
			14	4-stroke, 4 cylinder diesel engine test rig, Hydraulic loading - water cooled (MORSE TEST RIG) with self starting
			15	4-stroke, 1- cylinder diesel engine test rig, with self starting - Mechanical loading
				4-stroke, Petrol engine test rig, with self starting, Electrical loading (variable compression ratio)
			16	2 stroke - petrol engine, with self starting, Electrical loading
8	FM LAB	208.84	1	PIPE FRICTION AND PIPE FITTING APPARATUS - (Major Losses & Minor Losses)
			2	Combined closed circuit set up Orifice meter, Venturi meter & Nozzle meter
			3	Impact of Jet on Vanes
			4	Calibration of Weir and Flume (Combined set up)
			5	Calibration of Notches
			6	Vertical Orifices & Mouth pieces:
			7	Bernoulli's Equation
			8	Pelton Wheel with multistage centrifugal pump (combined setup)
			9	Centrifugal Pump Test Rig (Single Stage) & Reciprocating Pump (Combined setup with common suction tank)
			10	Francis & Kaplan Turbine Combined setup
			11	Two Stage Reciprocating Air Compressor Test Rig
			12	Centrifugal Blower
9	HMT LAB	244.03	1	Thermal Conductivity of a Metal Rod
			2	Composite wall
			3	Metallic Fin Apparatus
			4	Free Convection
			5	Forced Convection
			6	Emissivity Apparatus
			7	Stefan Boltzman Apparatus
			8	Transient Conduction Heat Transfer
			9	Vapour Compression Refrigeration
			10	Vapour Compression Air Conditioner with humidity controls
			11	Parallel Flow and Counter Flow heat Exchanger
			12	Condensation of Vapour-drop and film wise apparatus
			13	Boiling heat transfer apparatus (critical heat flux)
			14	Heat Pipe R&D Arrangement
			15	Thermal Conductivity of Liquids (Vaccumized liquid type)
10	CAMA LAB	95.53	1	Computer systems IGB RAM with Monitor
			2	LCD Projector with Screen
			3	CANON Laser Jet Printer 1022
			4	ANSYS 14.5
11	DESIGN LAB	106.01	1	Journal Bearing setup
			2	Universal Vibration setup (computerised) Simple Penulam (Manual)
			3	Combined units : Vibration on Beams (Free & Forced Vibration) & Spring Mass

				System
			4	Torsion Vibration-UN Damped with single and double Rotor System
			5	Curved Beam Setup
			6	Whirling of Shaft
			7	Motorized Gyroscope
			8	Balancing of Rotating Masses
			9	Computerised Polariscope
			10	Computerised universal governors; Determination of equilibrium speed, sensitiveness, power and effort of porter / prowel / Hartnel governor
			11	Determination of principal stresses and strains in a member subjected to combined loading using strain rosettes
12	CIM & Automation Lab	95.53	1	Computer systems 1GB RAM with Monitor
			2	LCD Projector with Screen
			3	CANON Laser Jet Printer 1022
			4	Edgcam Software-2014R1

List of Experimental Setup: Details are available in the college web site ([www.jyothyit.ac.in](http://www.jyothyit.ac.in)) in respective department tabs.

#### COMPUTING FACILITIES:

- Number and Configuration of Systems: 345
- Total number of systems connected by LAN : 335
- Total number of systems connected to WAN: 335
- Internet bandwidth : 33 mbps
- Major software packages available: Windows, NT, Unix, C, C++, Solid Edge, Cype, Ansys, Edge cam, etc.
- Special purpose facilities available: CNC Turning production Lathe

#### WORKSHOP:

List of facilities available: Details are available in the college web site ([www.jyothyit.ac.in](http://www.jyothyit.ac.in)) in respective department tabs.

#### Games and Sports Facilities

Name of the sport	Facilities available
<i>Outdoor games</i>	
Cricket	Cricket pitch, Leather Bats, Ball, Thigh pads, gloves, Helmet, Pads, Abdominal Gaurds, Rib Guard and other Cricket wears and accessories.
Football	Football court with poles, branded football, spikes, knee guard, Shorts & T-Shirts
Volleyball	Volleyball court, Volleyball, Net and accessories
Badminton	Badminton court, Badminton rackets and accessories
<i>Indoor games</i>	
Carom	Carom boards and pans
Chess	Chess boards and pans
Table-Tennis	Table tennis table, rackets, ball.

#### - Extra Curriculum Activities

Details are available in the college web site ([www.jyothyit.ac.in](http://www.jyothyit.ac.in)).

#### - Soft Skill Development Facilities

Details are available in the college web site ([www.jyothyit.ac.in](http://www.jyothyit.ac.in)).

#### - Number of Classrooms and size of each:

22 Nos. & 66 sq.m.

#### - Number of Tutorial rooms and size of each:

5 Nos. & 33 sq.m.

#### - Number of laboratories and size of each:

37 Nos. & 100 / 200 / 300 sq.m.

**- Number of drawing halls and size of each:**

1 No., 132 sq.m

**- Number of Computer Centres with capacity of each:**

1 No., 150 sq.m

**- Central Examination Facility, Number of rooms and capacity of each.**

Central Examination Facility is available, 1 No., 30 sq.m.

**Teaching Learning process**

**- Curricula and syllabi for each of the programmes as approved by the University.**

Is being followed as per the rules and regulations of VTU.

**- Academic Calendar of the University**

Details are available in the college web site ([www.jyothyit.ac.in](http://www.jyothyit.ac.in)).

**- Academic Time Table**

Details are available in the respective department.

**- Teaching Load of each Faculty**

As per norms of AICTE

**- Internal Continuous Evaluation System and place**

Is followed as per norms

**- Students' assessment of Faculty, System in place.**

Yes

**For each Post Graduate programme give the following:**

**i. Title of the programme:** Not applicable

**ii. Curricula and Syllabi:** Not applicable

**iii. Faculty Profile:** Not applicable

Sl. No.	Name	Designation	B. Subject Teaching
Not applicable			

**Brief profile of each faculty.**

**Laboratory facilities exclusive to the PG programme:** Not applicable

**Special Purpose**

**Software, all design tools in case:** Not applicable

**Academic Calendar and frame work:** Not applicable

**Research focus:** Not applicable

**List of typical research projects.**

**Industry Linkage:** Not applicable

**Publications (if any) out of research in last three years out of masters projects:**

Not applicable

**Placement status:** Not applicable



**Admission procedure:** Not applicable

**Fee Structure:** Not applicable

**Hostel Facilities:** Not applicable

**Contact address of co-ordinator of the PG programme:** Not applicable

Name:

Address:

Telephone:

E-mail: