

ANNUAL PROGRESS REPORT

ACADEMIC YEAR 2016-17



ESTD: 2001

JAYAMUKHI

INSTITUTE OF TECHNOLOGICAL SCIENCES

AN AUTONOMOUS & ACCREDITED INSTITUTION
AFFILIATED TO JNTUH

NARSAMPET, WARANGAL



INTERNAL QUALITY ASSURANCE CELL (IQAC)

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PROGRESS REPORT FOR THE ACADEMIC YEAR 2016-17**JAYAMUKHI EDUCATIONAL SOCIETY**

Sponsored by the Jayamukhi Educational Society, the Jayamukhi Institute of Technological Sciences came into being in 2001 to provide quality and contemporary education with social relevance in the engineering faculty with an ultimate vision to maintain global standards in higher learning and research. The Institute has the approval of AICTE, and recognized by the Government of Telangana .It is permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad. The Institute has come upon 40 acres of green pastures in Narsampet, about 30km away from the historic city of Warangal and presents a picturesque and panoramic view.

JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

JITS offers a four-year B.Tech. Programme in the disciplines of CSE, ,ECE, EEE, CIVIL and MECH with a total intake of 840 students and at the postgraduate level, it offers courses like M.Tech. (CSE), M.Tech. (SWE), M.Tech. (VLSI Design), M.Tech. (Embedded Systems), M.Tech.(Power Systems) ,M.Tech.(CAD/CAM) and M.B.A.

VISION

To be a premier Institute in the country, striving continuously in pursuit of excellence in educational environment where the students are prepared to meet the challenges of the modern industry and society.

MISSION

- To provide a healthy educational environment for students and staff to cater to the needs of the Society.
- To provide a creative environment and innovative approach to the learning process.
- To spread engineering/technological awareness at all levels.
- To contribute for the development of this region in particular and the nation in general.

1.1**ACADEMIC ACTIVITIES****1.1.1****ACADEMIC PROGRAMS OFFERED**

The details of the programs offered, intakes for the academic year 2016-17 are listed in Table 1 and Table 2.

Table 1

| S.No | Level of the Program | Program Name | Shift | Branch/ Specialization | Year of Introduction | Approved Intake |
|--------------|----------------------|--------------|-------|---|----------------------|-----------------|
| 1. | UG | B.Tech | I | Computer Science and Engineering | 2001 | 180 |
| 2. | UG | B.Tech | I | Electronics and Communication Engineering | 2001 | 240 |
| 3. | UG | B.Tech | I | Electrical and Electronics Engineering | 2001 | 120 |
| 4. | UG | B.Tech | I | Mechanical Engineering | 2009 | 180 |
| 5. | UG | B.Tech | I | Civil Engineering | 2013 | 120 |
| Total | | | | | | 840 |
| 6. | PG | M.Tech | I | Embedded Systems | 2009 | 24 |
| Total | | | | | | 60 |
| 7. | PG | M.B.A | I | -- | 2007 | 31 |

Table 2

| Shift | No.of UG Programs Offered | No.of PG Programs Offered | Other program PG |
|-------|---------------------------|---------------------------|------------------|
| I | 05 | 01 | 01 |

1.1.2 Enrolment

Table 3

| Level of Program | Program | Total Intake | Enrolment | | |
|------------------|---------|--------------|-----------|---------------|-------|
| | | | Regular | Lateral Entry | Total |
| UG | B.Tech | 840 | 544 | 154 | 698 |
| PG | M.Tech | 24 | 12 | -- | 12 |
| PG | MBA | 60 | 31 | -- | 31 |

Table 4

| Program | AICTE Approved Intake | JNTUH Approved Intake | Enrolment | | |
|--------------|-----------------------|-----------------------|-----------|---------------|-------|
| | | | Regular | Lateral Entry | Total |
| B.Tech(ECE) | 240 | 240 | 168 | 46 | 214 |
| B.Tech(CSE) | 180 | 180 | 159 | 21 | 180 |
| B.Tech(EEE) | 120 | 120 | 65 | 24 | 89 |
| B.Tech(CE) | 120 | 120 | 99 | 26 | 125 |
| B.Tech(MECH) | 120 | 120 | 53 | 37 | 90 |

Table 5

| Program | AICTE Approved Intake | JNTUH Approved Intake | Admitted Intake |
|--------------------------|-----------------------|-----------------------|-----------------|
| M.Tech(Embedded Systems) | 24 | 24 | 12 |
| M.B.A | 60 | 60 | 31 |

1.1.3 Curriculum

The Jayamukhi Institute of Technological Sciences is committed for transformations in engineering education. As per the guidelines of UGC and JNTUH, the regulations and syllabus are revised. From the A.Y. 2015-16, all the programs are offered in Choice Based Credit System (CBCS).

The Regulations and Syllabus of UG and PG Engineering Programs and MBA Program are revised. The regulations are called as R15 Academic Regulations of Jayamukhi Institute of Technological Sciences. The R15 Regulations based curriculum follows Semester based, Choice Based Credit System.

1.1.4 Institutional Achievements

- ❖ Received National level 1st prize in Poster Presentation under **ISTE-2016**.



Mr.K.Srinivas Coordinator ISTE Student Chapter Receiving award for the Best ISTE student Chapter.

- ❖ **Ganta Varun Reddy** Student of 4th year EEE has secured ALL INDIA RANK of 2133 in GATE-2016.

- ❖ **G.Sandeep Kumar &Y.V.Mohan** Students from IV B.Tech EEE bagged All India 1st PRIZE for Poster Presentation on “**Rural Electrification through Green Energy**” receiving award from Dr.B.R.Sarmah,Vice President, ISTE in the 19th National ISTE Student Convention-2016 held at VIT University(Vellore Institute of Technology) Vellore,Chennai,Tamil Nadu during 15th& 16thOctober 2016.



Director, Principal, Management and Head Department of EEE congratulate the students on successful presentation at Vellore.

- ❖ **B.Sai Vardhan**, student from department of CSE secured first prize in **Mobile App Development** competition conducted in JITS.

- ❖ **Ms.P.Ravali**, B.Tech ECE IV Year Student received first prize and certificate of appreciation in Project Exhibition during Abhignatha 2017 from Sri.T.V.R.N.Reddy, Joint secretary, JITS.



Receiving First Prize and Certificate of appreciation in Project Exhibition on **“Fire Fighting Robot”** during **Abhignatha 2017**

- ❖ B.Tech IV Year ECE students received first prize in Project Exhibition at SVS group of colleges on **“e- Notice Board”** and award received from Chairman SVS group of colleges and Warangal district Mayor Sri.Nannapuneni Narender.



Mr.Santhosh Phanidra and his team mates are received best project award.

- ❖ **Mr.Santhosh Phanindra**, B.Tech IV year student registered a startup company on LED bulbs under Telangana State government initiated program called startup. Management, Principal, Director, Dean R&D and Chief guest of Technojits 2016 **Dr.Vemula Rama Rao** appreciated and inaugurated **LED bulbs** during Technojits event.



- ❖ Mr.K.Deekshith Reddy, Mr.Sai Dinesh, Mr.S.Santhosh Phanindra selected and participated for Young Professional Summit at Rajasthan under IEEE-India Section.



1.1.5 Faculty Development and Achievements

The faculty of the institute are well qualified and experienced with different specializations, they contributed always in the all round development of the institute. The following details pertaining to the faculty organized and participated in various workshops in national and international wide.

Academic Year 2016-17

Faculty organized Workshops/Seminars/Training Programs

1.1.5.1 Faculty Development Programs organized

Table 6

| S. No | Date(s) of FDP Conducted | FDP Name | No. of Participants | No. of Resource Persons | Names of the Resource Persons |
|-------|--|------------------------------|---------------------|-------------------------|--|
| 1 | 29 th May-3 rd June 2017 | R-Programming | 50 | 4 | 1.Mr.Mehdi HCL,Hyderabad 2.Dr.K.Ramesh NIT Warangal 3.Dr.G.Narsimha JNTU, Jagithyal 4.Prof.P.Niranjan Reddy, KITS Warangal |
| 2 | 25 th March 2017 | Hadoop Technology | 45 | 1 | Mr.T.Pranabh Oracle |
| 3 | 20 th -21 st January.2017 | Ethical Hacking | 42 | 1 | Mr.D.Sai Sathish CEO/Indian Servers |
| 4 | 6 th -11 th December. 2016 | IBM-Blumix for IoT& Security | 60 | 1 | 1.Mr.C.Yuktesh IBM India Pvt Ltd Hyderabad 2.Dr.K.Ramesh NIT Warangal 3.Dr.G.Narsimha JNTU, Jagithyal 4.Prof.N.Ramana KU Warangal |

| | | | | | |
|-----|---|--|-----|---|--|
| 5 | 26 th -27 th August.20 16 | Internet of Things and Its Applications | 40 | 1 | Mr.Amarender CEO, SmartBridge Hyderabad |
| 6 | "14-12- 2016 to 20-12- 2016 | FDP on "DOE and Optimization methods | 50 | 3 | Dr.C.S.P.Rao,Professor,NIT, Warangal. Dr.A.Kumar AssociateProfessor,NIT,Wara ngal. Sri P.Subhash Chandra Bose, Assistant Professor, NIT,Warangal. |
| 7 | 06-09- 2016 TO10-09- 2016 | A Three day workshop on Auto Cad | 120 | 3 | Mechanical Engineering and JKC Hyderabad |
| 8. | 06-03- 2017 | Aero Design Challenge Workshop | 65 | 1 | Mechanical Engineering,JITS |
| 9. | 5 th to 17 th Dec.2016 | Low Power VLSI Design | 27 | 3 | Department of ECE -JITS |
| 10. | 4 th to 9 th July. 2016 | Recent trends in 5G Wireless Communicat ions | 24 | 2 | Department of ECE -JITS |

Faculty Participated in Workshops/Seminars/Training Programs:

1.1.5.2 Faculty Development Programs participated

Table 7

| S.No. | Date(s) of FDP Attended | FDP Name | No. of Partici pants | Name(s) of The Faculty | Organized By – Venue – Place |
|-------|---|--|----------------------------|--|------------------------------------|
| 1. | 8 th -9 th July.2016 | Big Data Analytics using Hadoop and R - Tools | 02 | Mr.P.Srinivas Rao Mr.K.Srinivas | KITS, Warangal |
| 2. | 22 nd July 2016 | Database Programming with PL/SQL | 02 | M.Sushmitha J.Deepthi | CJIT- Jangoan |
| 3. | 21 st -25 th Nov 2016 | Applications of NMR Spectroscopy in | 1 | M.Praveen Kumar | IISC Bangalore |

| | | | | | |
|----|---|--|----|---|--|
| | | Structural and Conformational Analysis | | | |
| 4. | July 2016 | Cambridge English Teachers Support Workshop. | 1 | B.Raju | Vaagdevi College of Engineering, Warangal. |
| 5. | July 2016 | Cambridge English Teachers Support Workshop. | 1 | B.Raju | Vaagdevi College of Engineering, Warangal. |
| 6. | 10 Aug 2016 | Voices from the Past: Recovering Telangana women's History through Oral Narratives | 1 | M.Raju | Vaagdevi College of Engineering, Warangal. |
| 7. | 26 th -27 th August.2016 | Internet of Things and Its Applications | 05 | P Srinivasa Rao G Jose Mary M Shara Lydia K Srinivas S Gouthami | Institute JITS |
| 8. | 25 th March.2016 | Hadoop Technology | 16 | P Srinivasa Rao G Jose Mary M Shara Lydia K Srinivas S Gouthami B Naresh R Bharath Kumar V Sravan Kumar M Narender T Rama Krishna K.A.M Sushma L Tarasvi P Anand Kumar T Maheshwari K Vanisree S Sandhya | Institute JITS |
| 9. | 6 th -11 th December.2016 | IBM-Blumix for IoT& Security | 26 | K Chaithanya Kumar Reddy G Pandukrishna K Santhosh Kumar N Sadanandam | Institute JITS |

| | | | | | |
|-----|---------------------------|---|----|---|----------------------------|
| | | | | L.Chanti S.Sravanthi D.Sumana J.Sindhuja AsiyaTabassum K.Dayakar B.Divya S.Devender K.Mahesh M.Sushmitha S.Prabhakar Ch.Ram T.Sampath N.Kumar K.Anil D.Srikanth Reddy V.Suresh Ch.Srinivas Rao B.Sujatha S.Haribabu Azmeera Pasha | |
| 10. | 24th to 28th oct, 2016 | Faculty Up gradation Program on Product Design and Manufacturing | 2 | Mr.M.Shashidhar B.Shivakumar | CDAC R&D Center, Hyderabad |
| 11. | "14-12-2016 to 20-12-2016 | One Week Faculty Development Programme on Design of Experiments and Optimization Methods" | 15 | M.Jawahar M.Shashidhar B.Hemasunder B.Shivakumar P.Vamshi Krishna B.Sandeep M.Srikiran V.Rajaroo M.Radhika G.Surekha K.Sushma S.Rama Harish R Santhosh G Patil.RR | Dept of ME, JITS Narsampet |
| 12. | 19 th Oct.2016 | GNSS & its Applications | 1 | Md.Hameed Pasha | Department of ECE - OU |
| 13. | 05-11-2016(One | Public Participation in | 01 | 1.Mr.D.Rajanikumar | JNTU, Hyderabad |

| | | | | | |
|-----|---|--|----|---|---|
| | day | Promoting Integrating and Eradicating Corruption | | | in association with Power Grid Corporation of India Ltd |
| 14. | 02-11-2016 to 04-11-2016(Three days) | Power System studies-Theory & Practice at a glance | 02 | 1.Mr.D.Rajanikumar 2.Ramesh M | JNTUH Jagityal Karimnagar |
| 15. | 7 th -8 th September 2017 | Employee opportunities In Tourism & Hospitality Industry Skill Development for youth | 2 | Dr. Sriram E Mr. Satihs S | CDC College Hanumokanda |
| 16. | 5 th to 17 th Dec.2016 | Low Power VLSI Design | 27 | ZulekhaTabassum S.Sandhya Rani Sk.Masthan V.Madhu Kumar A.Chakradar M.Manoj Kumar R.Laxma Reddy S.Rakesh Md.Hameed Pasha T.Ramya Krishna P.Ramya D.Prasad S.Kalyan K.Sujatha M.Srider M.Raju N.Lalu G.Dilip S.Sunil S.Rakesh K.Jayaprada A.Govind K.Nageshwar Rao N.Sukumar J.Swapna K.Ashok Kumar | Department of ECE - JITS |
| 17. | 4 th to 9 th July. 2016 | Recent trends in 5G Wireless Communication | 24 | Gatla Dilip A.Dilip S.Sunil | Department of ECE - JITS |

| | | | | | |
|--|--|---|--|--|--|
| | | s | | A.Arun Kumar M.Raju N.Lalu O.Rakesh P.Ramya T.Ramya Krishna D.Prasad S.Kalyan K.Sujatha M.Sridar A.Govind N.Sukumar J.Swapna K.Ashok Kumar AChakradar M.Manoj Kumar R.Laxma Reddy K.Jayaprada S.Sandya Rani Md.Hameed Pasha Sk.Masthan | |
|--|--|---|--|--|--|

| | | | | | |
|-----|---|---|----|--|---|
| 18. | 13 th to 23 rd Sep.2016 | Microwave engineering & Circuit | 33 | A.Arun Kumar M.Sushanthbabu I.Srinivasa Rao A.Janardhan G.Sathiah K.Ashok Kumar Md.Hameed Pasha S.Sandhya Rani Sk.Masthan ZulekhaTabassum V.Madhu Kumar A.Chakradar M.Manoj Kumar R.Laxma Reddy K.Jayaprada K.Nageshwar Rao N.Sukumar J.Swapna P.Ramya T.Ramya Krishna D.Prasad S.Kalyan M.Sridar M.Raju N.Lalu J.Sunil K.Vijay Chand S.Padma O.Rakesh G.Dilip Gatla. Dilip A.Dileep S.Sunil Kumar A.Govind | E& ICT Academy - NITW |
| 19. | 2 nd -4 th March 2017 | Concept based teaching and learning Physics through experiments in UG education | 1 | P.Vishnu | NIT Warangal |
| 20. | 27 th -1 st March 2017 | Faculty Enablement program on "Best Practices in Facilitation | 1 | R.Madhavi | Vaagdevi College of Engineerin g, Warangal. |

| | | Skills | | | |
|-----|---|---|----|--|--|
| 21. | 27 th - 1 st March 2017 | Faculty Enablement program on “Best Practices in Facilitation Skills” | 1 | B.Raju | Vaagdevi College of Engineering, Warangal. |
| 22. | 12 th June.2017 | Digital VLSI Circuit Design | 1 | Md.Hameed Pasha | ELECTRONICS INDIA - NITW |
| 23. | 02-02-2017 (One day) | Engineering Education & Research | 02 | 1.Mr.D.Rajanikumar 2.Anil G | National Instruments India, Warangal |
| 24. | 1 st to 10 th June.2017 | Speech Processing | 3 | V.Madhu Kumar J.Swapna S.Sunil | E& ICT Academy - NITW |
| 25. | 6 th to 11 th March.2017 | Signals & Stochastic Processes | 2 | G.Prudhvi Raj B.Ranjith | TASK - JNTUH |
| 26. | 17 th & 18 th Feb 2017 | National Cyber Safety and Security Standards Summit | 01 | P Srinivasa Rao | BITS-Pilani, HYD |
| 27. | 19 th -24 th June 2017 | Soft computing | 02 | K.Dayakar K.Anil | VCE, Bollikunta, warangal |
| 28. | 6 th -11 th , Mar 2017 | FDP on C-Programming and Data Structure | 02 | T.sampath B.Naresh | JNTUH |
| 29. | 29 th May- 3 rd June 2017 | R programming | 25 | Dr.S.Kirubakaran Dr.P.Rajkumar Dr.SankarSarma K V S S R S Dr. JayadevGyani Dr.Murti PRK Dr.T. Srikanth P Srinivasa Rao G Jose Mary M Shara Lydia K Srinivas S Gouthami B Naresh M Bharath Kumar | Institute JITS |

| | | | | | |
|-----|---|--|---|---|---|
| | | | | V Sraavan Kumar M Narender T Rama Krishna K.A.M Sushma L Tarasvi P Anand Kumar T Maheshwari K Vanisree S Sandhya P Kartheek Rao D Upender N Devender | |
| 30. | 2017 | International Conference on “Recent Trends in Engineering, Science and management.” | 2 | Gulam Quadar Gulam Samdani | SVITS HYD |
| 31. | 1 st Sep 2017 | National conference on “Sustainable Practices & Advances in Civil Engineering” Space 2017 | 2 | Gulamsamdani Syed Samiullah | KITS Warangal |
| 32. | 2017 | One Week Faculty Development programme on “Application of Ansys in Civil Engineering” | 2 | Gulam Samdani Syed Samiullah | Vardhaman College of Engineering Hyderabad |
| 33. | 15 th &16 th Dec, 2017 | A Two Day Workshop on “Pavement Design, Construction & Management Systems” | 3 | Gulam Quadar Gulam Samdani Syed Samiullah | Vaagdevi College of Engineering, Warangal |
| 34. | 2017 | Faculty Development Programme on “Building Teachers Effectiveness” TASK | 1 | G.Swathi | JNTU, Hyderabad |

1.1.5.3 Faculty Achievement and Awards

- ❖ Received State Level Prizes in the Prestigious event SRUJANA-16 from Hon'ble Central Minister **Shri Hansraj Gangaram Ahir-2016.**



- ❖ Received National level 1st prize in Poster Presentation under **ISTE-2016.**
- ❖ Bagged National Level ISTE **Best Engineering College** award 2016.
- ❖ **Prof.A.Janardhan** Professor of ECE published a text book on “**Performance Analysis of Blind Signal Separation Algorithms**”. **LAMBART Academic Publishing, Germany, 2017**”.
- ❖ Faculty members of various departments published **70+ research papers** and articles in National and International Journals and Conferences.
- ❖ Total of **217** Faculty members regularly attending faculty development programs organized by various reputed institutions in India.
- ❖ **Prof.G.Srihari**, Professor, Dept.of Mechanical Engineering received AICTE grants of Rs.4.00Lakhs in organizing Faculty Development Program(FDP) on “Finite Element Methods”.

1.1.6 Student Activities and Achievements

1.1.6.1 Student Academic Activities

The students are trained by experts in their domain courses, new technologies & processes and human values through seminars / workshops. The details of the training are listed in the Table 09.

Table 8

| S. No | Date of Activity | Details | Resource Person | Resource Person Details | Participants | No. of Participants |
|-------|--|---|-------------------|--|----------------------------|---------------------|
| 1. | 10 th & 11 th Jan 2017 | PCB workshop | R Ramana | VR solution | II & III Years EEE & ECE | 200 |
| 2. | 17/03/2017 | Guest Lecture on .Net Framework | M.Dileep, Asst | Consultant, TCS, Hyderabad | III & IV Year CSE students | 86 |
| 3. | 10/02/2017 | Digital Marketing | C.Yuktesh, | Community manager ,IBM Global, Enterprise program, Hyderabad | III & IV Year CSE students | 120 |
| 4. | 07/01/2017 | Bid Data: Streaming Analytics and Application | Sai Sathish, | Founder & CEO of Indian Servers. | III & IV Year CSE students | 110 |
| 5. | 03/10/2016 | Mining tools | E.Lakshminarayana | ,Lead Product Engineer ,Wealdon HR & Payroll Solutions India | III & IV Year CSE students | 120 |
| 6. | 20/08/2016 | SAP | A.Manoj, | Senior Consultant,S | III & IV Year CSE | 85 |

| | | | | | | |
|----|------------|--|-------------------------|--|-------------------------|-----|
| | | | | AP,DELOITTE Consulting India Pvt Ltd,Hyderabad | students | |
| 7. | 18/07/2016 | Skill Development | Sri Gampa Nageshwer Rao | Personality Development Trainer | All department students | 540 |
| 8. | 15.09.2016 | Guest Lecture on – Offshore Structures And Career Guidance | Er.Dinesh Adepu | Off shore structural engineer | IV Students | 100 |

1.1.6.2 Value Added Course

A variety of value-added classes are provided in order to offer supplementary learner centric graded skill-oriented professional instruction, with the main aim of enhancing the employability capabilities of engineering graduates. The details of the value added courses are presented in the Table 10.

Table 9

| S.No | Course Code | Name of The Value Added Course | Department | No. of Times offered during the Year | Duration of Course in Hours | No. of Students | No. of Students Completing the course per year |
|------|-------------|---|------------|--------------------------------------|-----------------------------|-----------------|--|
| 1. | AJ4409 | Probability Theory And Stochastic Process | ECE | 1 | 30 | 182 | 182 |
| 2. | J2503 | Object Orient Programming | ECE | 1 | 30 | 182 | 182 |
| 3. | J3401 | Electronic Devices And Circuits | ECE | 1 | 30 | 182 | 182 |
| 4. | J3209 | Electronic | ECE | 1 | 30 | 182 | 182 |

| | | | | | | | |
|----|--------|---------------------------------------|-----|---|----|-----|-----|
| | | Devices and Circuits Lab | | | | | |
| 5. | J4406 | Analog Communication | ECE | 1 | 30 | 182 | 182 |
| 6. | AJ4410 | Pulse and Digital Circuit | ECE | 1 | 30 | 182 | 182 |
| 7. | AJ4412 | Electromagnetic Wave and Transmission | ECE | 1 | 30 | 182 | 182 |
| 8. | AJ4413 | Pulse and Digital Circuit Lab | ECE | 1 | 30 | 182 | 182 |
| 9. | AJ4509 | OOP & Data Structures Lab | ECE | 1 | 30 | 182 | 182 |
| 10 | AJ4414 | Analog Communication Lab | ECE | 1 | 30 | 182 | 182 |
| 11 | AJ3404 | Switching Theory and Logic Design | ECE | 1 | 30 | 182 | 182 |
| 12 | AJ3405 | Signal and System | ECE | 1 | 30 | 182 | 182 |
| 13 | AJ3407 | Electronic Circuit Analysis Lab | ECE | 1 | 30 | 182 | 182 |
| 14 | AJ3408 | Basic Simulation Lab | ECE | 1 | 30 | 182 | 182 |
| 15 | J3003 | Transformation And Complex Variables | EEE | 1 | 30 | 94 | 94 |
| 16 | J3205 | Electromagnetic Fields | EEE | 1 | 30 | 94 | 94 |
| 17 | J3206 | Electrical Circuit-I | EEE | 1 | 30 | 94 | 94 |
| 18 | J3206 | DC Machines and Transformers | EEE | 1 | 30 | 94 | 94 |
| 19 | J3207 | Electrical Circuit-I Lab | EEE | 1 | 30 | 94 | 94 |
| 20 | J3211 | Electrical Machines-I Lab | EEE | 1 | 30 | 94 | 94 |
| 21 | J4212 | Electrical Circuit-II | EEE | 1 | 30 | 89 | 89 |
| 22 | J4213 | Ac Machines | EEE | 1 | 30 | 89 | 89 |

| | | | | | | | |
|----|-------|---|-------|---|----|-----|-----|
| 23 | J4215 | Power System-II | EEE | 1 | 30 | 89 | 89 |
| 24 | J4216 | Electrical Measurements & Instrumentation | EEE | 1 | 30 | 89 | 89 |
| 25 | J4414 | Electrical Machines-II Lab | EEE | 1 | 30 | 89 | 89 |
| 26 | J4217 | Electrical Measurements & Instrumentation Lab | EEE | 1 | 30 | 89 | 89 |
| 27 | J3419 | Computer Organization | CSE | 1 | 30 | 175 | 175 |
| 28 | J3e12 | Organizational Behavior | CSE | 1 | 30 | 175 | 175 |
| 29 | J3509 | Data Structures | CSE | 1 | 30 | 175 | 175 |
| 30 | J3509 | Data Structures Lab | CSE | 1 | 30 | 175 | 175 |
| 31 | | | | | 30 | | |
| 32 | J4512 | Java Programming | CSE | 1 | 30 | 171 | 171 |
| 33 | J4513 | Operating Systems | CSE | 1 | 30 | 171 | 171 |
| 34 | J4514 | Formal Languages & Automata Theory | CSE | 1 | 30 | 171 | 171 |
| 35 | J4515 | Java Programming Lab | CSE | 1 | 30 | 171 | 171 |
| 36 | J4516 | Operating Systems Lab | CSE | 1 | 30 | 171 | 171 |
| 37 | J3101 | Introduction To Civil Engineering | CIVIL | 1 | 30 | 116 | 116 |
| 38 | J3102 | Civil Engineering- Societal & Global Impact | CIVIL | 1 | 30 | 116 | 116 |
| 39 | J3103 | Solid Mechanics-I | CIVIL | 1 | 30 | 116 | 116 |
| 40 | J3104 | Fluid Mechanics | CIVIL | 1 | 30 | 116 | 116 |
| 41 | J3105 | Surveying & Geomatics | CIVIL | 1 | 30 | 116 | 116 |

| | | | | | | | |
|----|-------|---|-------|---|----|-----|-----|
| 42 | J3107 | Surveying Lab-I | CIVIL | 1 | 30 | 116 | 116 |
| 43 | J4108 | Engineering Hydrology | CIVIL | 1 | 30 | 113 | 113 |
| 44 | J4109 | Concrete Technology | CIVIL | 1 | 30 | 113 | 113 |
| 45 | J4110 | Hydraulics and Hydraulic Machinery | CIVIL | 1 | 30 | 113 | 113 |
| 46 | J4110 | Air & Noise Pollution and Control | CIVIL | 1 | 30 | 113 | 113 |
| 47 | J4111 | Concrete Technology Lab | CIVIL | 1 | 30 | 113 | 113 |
| 48 | J4112 | Surveying Lab-II | CIVIL | 1 | 30 | 113 | 113 |
| 49 | J3005 | Probability Distribution And Complex Variable | MECH | 1 | 30 | 126 | 126 |
| 50 | J3305 | Engineering Thermodynamics | MECH | 1 | 30 | 126 | 126 |
| 51 | J3306 | Mechanics of Solids | MECH | 1 | 30 | 126 | 126 |
| 52 | J3307 | Material Science And Metallurgy | MECH | 1 | 30 | 126 | 126 |
| 53 | J3308 | Material Testing and Metallurgy Lab | MECH | 1 | 30 | 126 | 126 |
| 54 | J3310 | Mechanics of Fluids and Hydraulic Machinery Lab | MECH | 1 | 30 | 126 | 126 |
| 55 | J4e02 | Managerial Economics and Financial Analysis | MECH | 1 | 30 | 121 | 121 |
| 56 | J4313 | Thermal Engineering-I | MECH | 1 | 30 | 121 | 121 |
| 57 | J4314 | Kinematics of Machinery | MECH | 1 | 30 | 121 | 121 |
| 58 | J4315 | Manufacturing Processes | MECH | 1 | 30 | 121 | 121 |
| 59 | J4316 | Manufacturing Processes Lab | MECH | 1 | 30 | 121 | 121 |
| 60 | Jmc01 | Environmental | BHS | 2 | 30 | 529 | 529 |

| | | | | | | | |
|----|-------|---|-----|---|----|-----|-----|
| | | Sciences | | | | | |
| 61 | Jmc02 | Gender Sensitization | BHS | 2 | 30 | 529 | 529 |
| 62 | J2011 | English | BHS | 2 | 30 | 529 | 529 |
| 63 | J2012 | English Language and Communication Skills Lab | BHS | 2 | 30 | 529 | 529 |

1.1.6.3 Industrial visits/ Industrial Trainings

The Industrial Training or Industrial Visits helps the engineering students for enhancing and improving skill set and knowledge of which boost their performance and consequently helping them to meet their career objectives. It is an organized method or activity. The details of the training / visits organized are shown in Table 10.

Table 10.

| S.NO | Date | Details | Participants Details(I/II/III/IV) | No. of Participants |
|------|------------|---|-------------------------------------|---------------------|
| 1 | 10/2/2017 | Industry Visit to Kakatiya Thermal Power Plant, Chelpur | III and IV B.Tech ME Students | 55 |
| 2 | 07.01.2017 | Industrial Visit to Kakatiya Thermal plant Chelpur, Bhupalpally | III-II EEE | 70 |
| 3 | 25.01.2017 | Industrial visit to NTPC ltd. Ramagundam, Karimnagar | IV-II EEE | 60 |
| 4 | 25.01.2017 | Industrial visit to 10 MW solar pvt plant | IV-I EEE | 60 |
| 5 | 14.10.2016 | Build Expo | II Year, III Year, IV Year Students | 150 |

1.1.6.4 Student Counseling and Coaching

The Management, Faculty and Staff provides the paramount need of the student apart from academics.

- i) Remedial classes are conducted to improve results
- ii) Counseling and motivating programs by psychologists have been arranged.
- iii) Entrepreneurship guidance and Career counseling is available.

1.1.6.5 Mentor and Mentee System

An important measure is to assess the competence level of the students at different stages of 4 years of their study. Such assessment will enable the Principal and faculty members to take up the corrective remedial measures to raise the level of competency in respect of weak students to the desired level. The procedure evolved and adopted for the above purpose can be summarized as under:

Students Counseling Scheme is in operation in this institution to counsel, monitor and guide the students from the date of joining in this institution till they complete the degree and leave the institution. Faculty members in each branch are identified to act as a Counselor/Mentor who shall maintain a record of 8 to 10 students allotted to each Faculty. Thus a sense of accountability is instilled in both the Mentor (Faculty) and Mentee (Student).

The duties and responsibilities of Mentors (Faculty Members) are identified as under:

- The mentor will monitor the group of students (8 to 10) allotted to him in all matters of personal growth of the students like behavior, attendance, performance in internal and external examinations and guidance for improvement.
- He will be regularly in touch with the mentees and take the feedback from them about the regularity of classes and their understanding of the subject.
- He will regularly counsel the students who are falling behind in the mid & external exams.
- He will also counsel the students when they remain absent for consecutive three (3) days.
- He interacts with the parents and updates them about the student's progress at the college.
- He provides awareness about credit system and promotion policy.
- He monitors the behavior of the students.

- He motivates the students in attending seminars/paper presentations.
- He shall meet the mentees (Students) once in a fortnight.
- During the monthly meetings, issues related to attendance, understanding of the subject, comfort levels in learning and specific record of the students shall be scrutinized and conveyed to the respective HODs to initials remedial or corrective measures.
- HOD's in turn will update the Principal about the progress of Mentor-Mentee activity to the Principal.
- If required, Mentors are also permitted to visit the house of the students to interact with the mentees and claim conveyance, if any.

Once in a month Principal of the college will take up review meeting with HOD's and mentors branch wise and draw plan of action/remedial measures to be taken up in respect of the issues identified for rectification. In fact during such meetings three types of students are identified.

- a) Weak students who require remedial/extra classes
- b) Average students who require further motivation
- c) Academically sound good scoring students

1.1.6.6 Student Participation and Achievements

The achievements of the students for the Academic Year 2016-17.

Students are always encourage to take membership in professional societies and also encourages them to participate in all the events organized within the college and outside the college to exchange their technical and communication skills.

Table 11

| S.No | Name of the student | Name of the Event | Date(s) | Venue | Award/ Participation |
|------|---------------------|-----------------------|--|-----------------|----------------------|
| 1. | S.Saidinesh | WIE Congress 2016 | 7 th to 9 th October 2016 | LNMIIT, Jaipur | Participation |
| 2. | K.Deeksheeth reddy | WIE Congress 2016 | 7 th to 9 th October 2016 | LNMIIT, Jaipur | Participation |
| 3. | S.Santosh phanindra | WIE Congress 2016 | 7 th to 9 th October 2016 | LNMIIT, Jaipur | Participation |
| 4. | Ch.Jagdeesh Kumar | SETPEVENT and YP meet | 9 th July 2016 | GRIET | Participation |
| 5. | K.Ramyasri | Technojits 2016 | 23 rd & 24 th September,2016 | JITS, Narsampet | Participation |
| 6. | P.Ravali | Technojits 2016 | 23 rd & 24 th September,2016 | JITS, Narsampet | Participation |

| | | | | | |
|-----|--------------------|--|---|--|---------------------|
| 7. | S.Naveen | Technojits 2016 | 23rd & 24th September,2016 | JITS, Narsampet | Participation |
| 8. | P.Madhuri | Technojits 2016 | 23rd & 24th September,2016 | JITS, Narsampet | Participation |
| 9. | S.Suman | Technojits 2016 | 23rd & 24th September,2016 | JITS, Narsampet | Participation |
| 10 | MD.Azharuddin | Technojits 2016 | 23rd & 24th September,2016 | JITS, Narsampet | Participation |
| 11 | T.Praveen kumar | Technojits 2016 | 23rd & 24th September,2016 | JITS, Narsampet | Participation |
| 12 | M.Ramya | Internet of Things | 26th -27th Aug2016 | JITS Narsampet | Participation |
| 13 | Y.Vasavi | Internet of Things | 26th -27th Aug2016 | JITS Narsampet | Participation |
| 14 | P.Madhuri | Technojits-2016 | 23rd -24th Sep. 2016 | JITS Narsampat | Participation |
| 15 | S.Naveen | Technojits-2016 | 23rd -24th Sep. 2016 | JITS Narsampat | Participation |
| 16 | B.Ameesha | Technojits-2016 | 23rd -24th Sep. 2016 | JITS Narsampat | 1st Position |
| 17 | M.Raveena | Technojits-2016 | 23rd -24th Sep. 2016 | JITS Narsampat | Participation |
| 18 | G.Swetha | Technojits-2016 | 23rd -24th Sep. 2016 | JITS Narsampat | 1st Position |
| 19 | G.Sravani | Technojits-2016 | 23rd -24th Sep. 2016 | JITS Narsampat | 1st Position |
| 20 | K.HarshithSagar | PCB Design & Fabrication | 10th -11th Jan.2017 | JITS Narsampet | Participation |
| 21 | P.Madhuri | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 22 | Bharath Reddy | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 23 | Y.Vasavi | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 24 | P.Purnachander | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 25 | T.Manisha | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 26 | S.Naveen | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 27 | G.Sreevani | Abhignatha-17 | 22nd Feb-2017 | JITS Narsampet | Participation |
| 28 | P.Purnachander | Power Components for Battery Applications | 4th April2017 | PDH IEEE Continuing Education (New York) | Completion |
| 29. | Ganta. Varun Reddy | GATE-2016 | March 2016 | IISC Bangalore | All India Rank 2133 |
| 30. | B.Sandeep Kumar | 19 th national ISTE student Convention-2016 | 15 th &16 th Oct 2016 | VIT University | All India 1st Prize |
| 31. | Y.V.Mohan | 19 th national ISTE student Convention-2016 | 15 th &16 th Oct 2016 | VIT University | All India 1st Prize |

| | | | | | |
|-----|----------------|-------------------------------------|---|------------------------------|--------------------------------------|
| 32. | S.Vikram Kumar | Srujana'16 & Srujana'16 | 3 rd -6 th April 2016 | ABVP | 1 st Prize In State Level |
| 33. | E.Shravan | Srujana'16 | 3 rd -6 th April 2016 | ABVP | District 2 nd Prize |
| 34. | Y.Naveen | Srujana'16 | 3 rd -6 th April 2016 | ABVP | District 2 nd Prize |
| 35. | T.Mansi, | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 1 st Prize |
| 36. | S.Venkatesh, | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 1 st Prize |
| 37. | Y.Naveen | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 1 st Prize |
| 38. | E.Shravan | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 3 rd Prize |
| 39. | Y.Naveen | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 3 rd Prize |
| 40. | E.Shravan | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 3 rd Prize |
| 41. | Y.Naveen | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 3 rd Prize |
| 42. | D.Balageetha | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 3 rd Prize |
| 43. | S.Manjushree | Srujana'16 | 3 rd -6 th April 2016 | ABVP | State 3 rd Prize |
| 44. | Sk.Chandini, | Srujana'16 | 20 th February 2016 | SVS Engineering College | District 1 st prize |
| 45. | P.Mrudula | Srujana'16 | 20 th February 2016 | SVS Engineering College | District 1 st prize |
| 46. | I.Manasapamar | Srujana'16 | 20 th February 2016 | SVS Engineering College | District 3 rd Prize |
| 47. | A.Manasa | Srujana'16 | 20 th February 2016 | SVS Engineering College | District 3 rd Prize |
| 48. | V.Supraja | Industry Skill Development | 20 th February 2016 | JSS Academy | National 2 nd Prize |
| 49. | G.Amani | Industry Skill Development | 20 th February 2016 | JSS Academy | National 2 nd Prize |
| 50. | MD.Parveen | Programming in C++ | 2016 | Online Assignment | Certified |
| 51. | G.Nithya priya | Cultural | 2016 | Lions Club Of HYD,Kothapet | Participation |
| 52. | S.Ravali | Springsspre | 2016 | NIT,Warangal | Participation |
| 53. | MD.Parveen | Springsspre | 2016 | NIT,Warangal | Participation |
| 54. | E.Monish.reddy | TECHNOZEL 2017 (Project Exhibition) | 2016 | Christhu Jyothi Institute of | Participation |

| | | | | | |
|----|----------------|---|------|---|---------------|
| | | | | Technology & Science | |
| 55 | E.Monish Reddy | TECHNOZEL 2017 (Technical Talent Search) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 56 | E.Monish Reddy | TECHNOZEL 2017 (Technical Paper Presentation) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 57 | P.Prathyusha | TECHNOZEL 2017 (Technical Paper Presentation) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 58 | P.Prathyusha | TECHNOZEL 2017 (Technical Paper Presentation) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 59 | A.Geetha | TECHNOZEL 2017 (Technical Talent Search) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 60 | A.Geetha | TECHNOZEL 2017 (Technical Paper Presentation) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 61 | A.Bhavana | TECHNOZEL 2017 (Technical Talent Search) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |
| 62 | A.Bhavana | TECHNOZEL 2017 (Technical Paper Presentation) | 2016 | Christhu Jyothi Institute of Technology & Science | Participation |

The results of I/II Year B.Tech. / M.Tech. / M.B.A. I & II Semester for the academic year 2016-17 under autonomy are presented below in the

Table 12 – Table 23..

| Table : 12 I B.Tech I Semester | | | | | |
|---|---------------|---------------|-----------------------|---------------------|---------------------------|
| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
| 1 | CIVIL | 120 | 95 | 42 | 44.2 |
| 2 | EEE | 120 | 65 | 26 | 40.0 |
| 3 | MECH. | 180 | 51 | 7 | 13.7 |
| 4 | ECE | 240 | 163 | 44 | 27.0 |
| 5 | CSE | 180 | 155 | 60 | 38.7 |
| Total | | 840 | 529 | 179 | 33.8 |
| Table : 13 I B.Tech II Semester | | | | | |
| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
| 1 | CIVIL | 120 | 93 | 36 | 38.7 |
| 2 | EEE | 120 | 59 | 21 | 35.6 |
| 3 | MECH. | 180 | 48 | 9 | 18.8 |
| 4 | ECE | 240 | 153 | 47 | 30.7 |
| 5 | CSE | 180 | 151 | 81 | 53.6 |
| Total | | 840 | 504 | 194 | 38.5 |
| Table : 14 II B.Tech I Semester | | | | | |
| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
| 1 | CIVIL | 120 | 116 | 70 | 60.3 |
| 2 | EEE | 120 | 94 | 44 | 46.8 |
| 3 | MECH. | 180 | 126 | 30 | 23.8 |
| 4 | ECE | 240 | 182 | 68 | 37.4 |
| 5 | CSE | 180 | 175 | 77 | 44.0 |
| Total | | 840 | 693 | 289 | 41.7 |
| Table : 15 II B.Tech II Semester | | | | | |
| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
| 1 | CIVIL | 120 | 113 | 68 | 60.2 |
| 2 | EEE | 120 | 89 | 53 | 59.6 |

| | | | | | |
|--------------|-------|------------|------------|------------|-------------|
| 3 | MECH. | 180 | 121 | 62 | 51.2 |
| 4 | ECE | 240 | 177 | 86 | 48.6 |
| 5 | CSE | 180 | 171 | 76 | 44.4 |
| Total | | 840 | 671 | 345 | 51.4 |

Table :16 I M.Tech I Semester

| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
|--------------|------------------|-----------|----------------|--------------|--------------------|
| 1 | Embedded Systems | 24 | 9 | 9 | 100 |
| Total | | 24 | 9 | 9 | 100 |

Table 17 I M.Tech II Semester

| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
|--------------|------------------|-----------|----------------|--------------|--------------------|
| 1 | Embedded Systems | 24 | 9 | 9 | 100 |
| Total | | 24 | 9 | 9 | 100 |

Table :18 II M.Tech I Semester

| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
|--------------|------------------|------------|----------------|--------------|--------------------|
| 1 | CAD/CAM | 24 | 10 | 10 | 100 |
| 2 | SE | 18 | 3 | 3 | 100 |
| 3 | Embedded Systems | 24 | 11 | 11 | 100 |
| 4 | VLSI Design | 18 | 10 | 10 | 100 |
| 5 | CSE | 36 | 13 | 13 | 100 |
| Total | | 120 | 47 | 47 | 100 |

Table :19 II M.Tech II Semester

| S. No. | Branch | Intake | No of Appeared | No of Passed | Percentage of Pass |
|--------------|------------------|------------|----------------|--------------|--------------------|
| 1 | CAD/CAM | 24 | 9 | 9 | 100 |
| 2 | SE | 18 | 3 | 3 | 100 |
| 3 | Embedded Systems | 24 | 10 | 10 | 100 |
| 4 | VLSI Design | 18 | 10 | 10 | 100 |
| 5 | CSE | 36 | 12 | 12 | 100 |
| Total | | 120 | 44 | 44 | 100 |

Table :20 M.Tech (2015-17) STUDENTS PASS%

| S. No | Specialization | Total Strength | Division | | | Total | Total |
|--------------|------------------|----------------|------------------------------|-------------|--------------|-----------|-------------|
| | | | First Class With Distinction | First Class | Second Class | Completed | Pass % |
| 1 | CAD/CAM | 10 | 9 | 0 | 0 | 9 | 90 |
| 2 | SE | 3 | 3 | 0 | 0 | 3 | 100 |
| 3 | Embedded Systems | 11 | 10 | 0 | 0 | 10 | 90.9 |
| 4 | VLSI Design | 10 | 10 | 0 | 0 | 10 | 100.0 |
| 5 | CSE | 13 | 12 | 0 | 0 | 12 | 92.3 |
| Total | | 47 | 44 | 0 | 0 | 44 | 93.6 |

Table 21 I M.B.A

| S.No. | SEM | Intake | No of Appeared | No of Passed | Percentage of Pass |
|-------|-----|--------|----------------|--------------|--------------------|
| 1 | I | 60 | 30 | 15 | 50 |
| 2 | II | 60 | 26 | 11 | 42.3 |

Table 22 II M.B.A

| S.No. | SEM | Intake | No of Appeared | No of Passed | Percentage of Pass |
|-------|-----|--------|----------------|--------------|--------------------|
| 1 | I | 60 | 37 | 28 | 75.7 |
| 2 | II | 60 | 38 | 29 | 76.3 |

Table 23 M.B.A(2015-17) STUDENTS PASS %

| S.No. | Total Strength | Division | | | | Total Pass % |
|-------|----------------|------------------------------|-------------|--------------|-----------------|--------------|
| | | First Class With Distinction | First Class | Second Class | Total Completed | |
| 1 | 38 | 15 | 9 | 0 | 24 | 63.2 |

1.1.8 Training and Placement Cell Activities

One of the key areas, we have shifted our focus is training and placement. Training and Placement Cell conducts placement training for III and IV B.Tech and II MBA and II M.Tech Students. It also organizes on campus and off campus placement interviews.

1.1.8.1 Placement Training and Drive details

The TPC conducted various placement training programmes in the A.Y. 2016-17. The details are listed in Table 24.

Table 24

| S. No. | Name of the Industry /MNC/Firm | No. of Students selected | Branch-wise selection of Students | | | | |
|--------|---|--------------------------|-----------------------------------|-----|-----|----|-------|
| | | | ECE | CSE | EEE | ME | CIVIL |
| 1 | Pyramid | 03 | - | 03 | - | - | - |
| 2 | Sentini Geo Solutions | 08 | 04 | 02 | 02 | - | - |
| 3 | HCL | 10 | 03 | - | 02 | 03 | 02 |
| 4 | Good Through | 12 | 03 | 01 | 03 | 02 | 03 |
| 5 | Serco Global Services | 03 | 01 | - | 01 | 01 | - |
| 6 | Justdial ,India | 20 | 05 | - | - | 10 | 05 |
| 7 | Cocubes India | 12 | 02 | - | - | 08 | 02 |
| 8 | Ansoft | 18 | 09 | 01 | 07 | 01 | - |
| 9 | Multiplier Solutions | 04 | 01 | - | 01 | 01 | 01 |
| 10 | RENOVISION | 01 | - | - | 01 | - | - |
| 11 | Maintec Technologies Pvt.Ltd. | 10 | 03 | - | 01 | 02 | 04 |
| 12 | Societe Generale Global Solution Centre Pvt.Ltd | 05 | 03 | - | 02 | - | - |

| | | | | | | | |
|--------------|--|-----|----|----|----|----|----|
| 13 | Techginious Solutions Pvt.Ltd | 19 | 03 | - | 07 | 05 | 04 |
| 14 | Merger Technologies Pvt.Ltd. | 07 | 02 | - | - | 03 | 02 |
| 15 | Mitsubishi Elevator India Pvt. Ltd. | 07 | - | - | 02 | 05 | - |
| 16 | Tech Mahindra | 01 | - | 01 | - | - | - |
| 17 | Mindlance Technologies | 01 | 01 | - | - | - | - |
| 18 | Mobile Communication Technologies Pvt.Ltd. | 02 | 02 | - | - | - | - |
| TOTAL | | 143 | 43 | 08 | 28 | 41 | 23 |

Table 25

| S.No | Date | Event |
|------|------------|--|
| 1 | 20.06.2016 | Aptitude and Reasoning Program for IV B.Tech students |
| 2 | 21.06.2016 | Aptitude and Reasoning Program for IV B.Tech students |
| 3 | 22.06.2016 | Aptitude and Reasoning Program for IV B.Tech students |
| 4 | 23.06.2016 | Aptitude and Reasoning Program for IV B.Tech students |
| 5 | 24.06.2016 | Soft skills training program for IV B.Tech students |
| 6 | 26.06.2016 | Soft skills training program for IV B.Tech students |
| 7 | 27.06.2016 | Soft skills training program for IV B.Tech students |
| 8 | 28.06.2016 | Soft skills training program for IV B.Tech students |
| 9 | 29.06.2016 | Soft skills training program for IV B.Tech students |
| 10 | 30.06.2016 | Organizational and Interview skills for IV B.Tech students |
| 11 | 07.07.2016 | Organizational and Interview skills for IV B.Tech students |
| 12 | 08.07.2016 | Organizational and Interview skills for IV B.Tech students |

1.1.8.1 Details of students placed

The details of the students placed in the A.Y.2016-17 are shown in the Table 26.

Table 26

| No. of Students Passed out | Placements | Higher Education India/Abroad | Gain fully engaged | Organizations Placed |
|----------------------------|------------|-------------------------------|--------------------|---|
| 271 | 143 | 20 | 108 | Pyramid , SentiniGeo Solutions, HCL, Good through, SercoGlobal Services, Justdial,India Cocubes India, Ansoft, Multiplier Solutions, RENOVISION, Maintec Technologies Pvt. Ltd. Centre Pvt Ltd, Techginious solutions pvt ltd, Merger Technologies Pvt.Ltd, Mitsubishi Elevator India Pvt Ltd, Techmahindra, Mindlance Technologies, Mobile comm Technologies Pvt.Ltd. |

1.2

Research Activities

1.2.1

Promotion of Research and Facilities

1.2.1.1

Faculty motivation scheme for research

Objective of the Scheme:

The objective of the scheme is to guide faculty members in the effective integration for research projects with the regular curriculum implementation and curriculum enrichment activities

Scope of the Scheme:

This scheme will apply to all the research and related activities of the institution and activities will include the following.

- Knowledge compilation and communication initiatives for keeping abreast of academic developments such as writing of textbooks or chapters, monographs; developing/updating curriculum, etc.
- Creative activities involving the generation of new innovative ideas, hypotheses, images, performances, including design in any field of knowledge which leads to the development of new knowledge, understanding or expertise;
- Research projects of students and scholars undertaken as part of the curriculum or proposals for enriching it
- Publications, presentations and communication of the research outcomes and related activities

Functions of R&D Cell

- Identification of thrust areas of research in each department of the institution
- Encourage and motivate the various departments faculty to undertake research projects and to scrutinize the proposals before submitting them to funding agencies
- Identification of physical and human resources to carryout research
- Identify the budgetary requirements and resources for funding the research
- Review the progress of research and offer necessary guidance whenever required
- Monitor and propose the funding from college budget for promotion of research activities
- Identify different organizations/ industries to undertake collaborative research on current topics of mutual interest

Additional Duties of R&D Cell

- Scrutinize minor and major research project proposals for submission to funding organizations such as UGC, AICTE, DST, SERB, DRDO etc.
- Monitor and assess the progress of sponsored research projects.
- Review and monitor academic progress of candidates registered for Ph.D. /M. Tech./M.Sc.
- Advise and arrange Seminars / Conferences / Workshops.
- Promote and encourage interdisciplinary research.
- Establish technology incubation centres/ Research centres/ Centres of excellence.
- Advise the faculty and find the suitability of research results for journal publication/ patenting/ product generation/ solve societal problems.
- Encourage young faculty members to register for Ph. D. in the College or at various reputed academic institutes

Research Promotion Policy at JITS

- Create a Special Institutional Research Wing over viewing all R&D and academic Ph. D. / PG activities.
- Provide laboratory, library/e-library and internet facilities
- Establish department-wise R&D laboratory
- Provide need based financial support for research activities
- Organize workshops, seminars, conferences at national or international level
- Provide incentives and encourage research related activities like reduction in teaching load, duty leave, TA/DA to the faculty for presenting their research activity at various Conferences/Seminars
- Sanction special leave as and when required for good progress of research
- Provide Personal Laptops on concession basis to carry out personal research
- Give due consideration in promotion and salary advancement on paper publication/ Getting patents etc by laying out standards based on citation indices, impact factors, quality of patents etc.
- Encourage to write and forward research proposals for financial support to different funding agencies and announce incentives once the project is sanctioned

1.2.2

Suggestions and Recommendations

1.2.2.1

UGC Guidelines on Research

- ❖ As per the UGC guidelines the faculty should publish their research work in peer reviewed and reputed journals which are approved by the UGC.
- ❖ Faculty members are encouraged to apply for patents to publish and granted.
- ❖ Faculty members are advised to apply the research projects to various funding agencies like UGC, AICTE, DST, CSIR and other government and non government agencies.

Research Laboratories and Center of Excellence

The institute has well established research laboratories funded with AICTE, Texas Instruments and IBM Center of Excellence to carryout research by the students and faculty

Table 27

| S.NO | Name of the Laboratory | Sponsored by | Major Equipment | Name of the Incharge |
|------|---|--------------|--|------------------------------|
| 1. | Radio Frequency Identification(RFID) Laboratory | AICTE | <ul style="list-style-type: none"> • Computer Systems(Dell i3 core 4GB RAM 500GB HDD) • HF OEM Handheld Reader(Wireless Zigbee) • High speed imfinj Reader • Alien development Lab kit • Zigbee wireless base station • Desktop Reader | Dr.Jayadev Gyani & B.Naresh |
| 2. | Sensor Laboratory | AICTE | <ul style="list-style-type: none"> • HP PRO 3005,AMD ATHLON II X2 250 PROCESSOR, 2GB RAM, 320GB HDD(60 NO.S) • 8051 MICROCONTROLLERS, BASE BOARDS, TRANSFORMERS, TRANSISTORS, 8051 TRAINER KITS, ADC 8004, MAX 232 • SENSORS. GPS, GSM ,RF MODULES. | Dr.Jayadev Gyani & R.Bharath |

| | | | | |
|----|-----------------------------------|-----|---|------------|
| | | | UNIVERSAL PROGRAM DUMPING UNITS <ul style="list-style-type: none"> • HF ISO 15693 DESKTOP RF READER WITH EXTERNAL ANTENNA. READ RANGE 20CM TO 30 CM WITH SDK • FINGER PRINT READER • CONTACTLESS SMART CARD READER WITH SDK • BIOMETRIC UNIT | |
| 3. | IBM Center of Excellence(IBM-CoE) | IBM | RSA Licensed software | G.Josemary |

The details of research activities and available facilities are shown in Table

Table:28

| Name of the Department | CSE | ECE | EEE | ME | CE | BSH |
|---|---|---|--|--|--|-------------------------------------|
| Name of the R&D Facility | R&D Cell CSE | R&D Cell ECE | R&D Cell EEE | R&D Cell ME | R&D Cell CE | R&D Cell BSH & MBA |
| No. of Faculty engaged in Research | 08 | 08 | 04 | 04 | 02 | 02 |
| Names of the Research Areas | Machine Learning Big Data Artificial Intelligence Data Mining Cloud | VLSI signal Processing Antennas & wireless Communications Analog Signal Processing Image | RES integration to Smart Grid Power Management Control | Manufacturing Processes, Composite Materials 3D Printing Friction stir Welding | Supplementary Cementitious Green Materials Geopolymer Concrete Surveying and | Mathematics Physics Chemistry |

| | | | | | | |
|---|---|---|--|--------------------------|---|----|
| | Computing Adhoc Networks IoT Data Science Machine Learning Cognitive Science | Processing Wireless Communications Embedded Systems | Systems Power Systems Protection Power System Stability Analysis Micro Grid & Smart Grid HVDC | Smart Engineering EDM | Geomatics Environmental Engineering Hybrid Fiber Reinforced Concrete Advanced Concrete Technology Structural Engineering Light weight concrete Materials Highway Engineering | |
| No. of Papers published in National / International Journals by Faculty | 6 | 9 | 7 | 19 | - | 03 |
| No. of Papers published in National / International Conferences by Faculty | - | 1 | 4 | - | - | - |

| | | | | | | |
|--|-------------------------------------|---|---------------------------------|---------------------------------------|---------|-------------------------|
| No. of Research Grants received from UGC / AICTE /DST/ CSIR etc. | - | - | - | 1 | - | - |
| Seed Money Received from Institution for Research for Faculty | 75000 | 75000 | 75000 | 75000 | 75000 | 75000 |
| Seed Money Received from Institution for Research / Innovation projects for B.Tech / M.Tech / M.B.A. projects | 50000 | 50000 | 50000 | 50000 | 50000 | 50000 |
| Details of Software Available | NS 2,NetSim , C, C++, Java, Python, | <ul style="list-style-type: none"> • MATLAB Tool • Tanner Tool 14.1 | MATLAB R2008a Cranes Software (| Autocad ANSYS LICENCED AUTO CAD Catia | AutoCAD | Microso ft office Suite |

| | | | | | | |
|---|--|---|---|--|--|------------------------|
| le for Research | R, Netbeans, R Studio, MYSQL | <ul style="list-style-type: none"> • Xilinx 10.1 • Keil Microvision • P-Spice • Active HDL | Licensed) & PSPICE SIMULINK (Open Source) | Solid Works PRO-E | | |
| Details of Hardware Available for Research | 7th Gen Intel Core i3-2120 Processor (3M Cache 3.90 GHz), 3.90GHz, DDRAM 4GBRAM, 500GB HDD, DELL 18.5' Monitor, DELL Op Mouse, DELL USB Keyboard | <ul style="list-style-type: none"> • Trainer kits for Communication • FPGA Boards for VLSI • CPLD Board for VLSI • ARM 7 and ARM 9 Board for Embedded Systems | 3-Phase Half controlled bridge converter, 5KVA 3-Phase Variac, 5HP DC shunt motor-PI-PD-PID Controller Kit, LVDT Trainer kit, Transmission line kit, Generator and Transformer Protection kit, Under/Over Voltage Relay kit | <ol style="list-style-type: none"> 1. CNC Milling 2. CNC Turning 3. Surface Grinding Machine 4. Optical Micro Scopes 5. Radial Drilling Machine 6. Tig And Mig Welding Machine | <ol style="list-style-type: none"> 1. Total Stations 2. Compression Testing Machine 200Kn 3. BOD Incubator 4. COD Digestion Apparatus 5. Hydraulic Jump 6. Consolidation Test Setup 7. Vee Bee Apparatus 8. Flexural Testing Machine 9. Tension Testing Machine 200kN 10. Spectrophotometer 11. Francis and Kaplan Turbine 12. Alum Jar Test Apparatus | Microsoft office Suite |

1.2.4**Research Papers Published**

Research Publications of Faculty members for the Academic Year 2016-17.

Table 29

| S. No | Title of the Paper | Names of the author(s) | Department | Name of the Journal | Year of Publication | ISSN Number |
|--------------|---|--|-------------------|----------------------------|----------------------------|--------------------|
| 1. | Cutting Parameter Optimization For Minimizing Machine Distortion Of Thin Wall Thin Floor Avionic Components By Changing Of Tool Material. | B.Sandeep B.Shiva Kumar P.Vamshi Krishna | MECH | IJRASET | August 2016. | ISSN:2321-9653 |
| 2. | Determining The Influence of Cutting Fluid On Surface Roughness During Machining Of EN24 And EN8 Steel By Using CNC Milling Machine. | M.Srikiran | MECH | IJATES | January 2016 | 2395-7549. |
| 3. | Conjugate Heat Transfer Analysis Of Helical Coil Heat Exchanger Using Computational Fluid Dynamics. | R.Patil SantoshG horpade | MECH | IJATES | May-2017 | 2348-7550 |

| | | | | | | |
|----|--|--|------|---|-------------|-----------------|
| 4. | Contact Analysis Of A Cam And Follower In Two Wheelers | R.Patil SantoshG horpade | MECH | IJETSR | May-2017 | 2394-3386 |
| 5. | Cutting Parameters Optimization For Minimizing Machining Distortion of Thin Wall Thin Floor Avionic Components By Changing Of Tool Material. | B.Shiva Kumar | MECH | IJRASET | August 2016 | 2321-9653 |
| 6. | CFD Analysis of Shell And Tube Heat Exchanger Using Titanium Carbide, Titanium Nitride And Zinc Oxide Nanofluid. | B.Hemasunder Dr.V.Vikram Reddy M.Radhika | MECH | IJIET | 2016 | 2319-1058 |
| 7. | Rural Marketing India | E.Sriram | MBA | Journal of Management Research vol:7 IS:1 | 2020 | ISSN: 2394 2762 |

| | | | | | | |
|-----|--|-------------------|-----|---|--------|------------------------|
| 8. | A Macroeconomic point of view on Asian countries | E.Sriram | MBA | Advancements in Research and Education VICAR 2020 Proceedings AIB Saliha Publications | 2020 | ISSN 978-81-96014-6-3 |
| 9. | An Eco Friendly Concept of Green Computing | E.Sriram | MBA | Proceeding of VIRTULA Conference on Advancements in Nanotechnology | 2020 | ISSN:978-81-948129-1-3 |
| 10. | A Study on Important Considerations for Designing Fault Tolerant Systems | Mr.P.Srinivas Rao | CSE | International Journal of Research | 2017 | 2348-6848 |
| 11. | Mixed Reality: Augmented – Virtual and Its Usage in Medical Sciences | Mr.P.Srinivas Rao | CSE | IJATIR | 2017 | 2348-2370 |
| 12. | Detecting Packet Drop and Forgery Attacks in Wireless Sensor Networks | Mr.P.Srinivas Rao | CSE | International Journal of Research | 2017 | 2348-6848 |
| 13. | Making Facebook More Secure | Mr.P.Srinivas Rao | CSE | International Journal of Research | Dec-16 | 2348-6848 |
| 14. | Multi- | Mr.P.Srini | CSE | Internatio | Mar-17 | 2348-6848 |

| | | | | | | |
|-----|--|-------------------|-----|-----------------------------------|--------|-----------|
| | Authority Identity-Based Encryption In Cloud Computing | vas Rao | | nal Journal of Research | | |
| 15. | Identification of Path Nearby Clusters in Spatial Networks | Mr.P.Srinivas Rao | CSE | International Journal of Research | Mar-17 | 2348-6848 |
| 16. | IP Spoofers Location Detection Using Backscatter | Mr.P.Srinivas Rao | CSE | International Journal of Research | 2017 | 2348-6848 |
| 17. | Secure Analysis Of Data Aggregation Technique For Wireless Sensor Network | Mr.P.Srinivas Rao | CSE | International Journal of Research | Mar-17 | 2348-6848 |
| 18. | Data Integrity Auditing for Secure Sharing in Cloud with Group User Revocation | Mr.P.Srinivas Rao | CSE | International Journal of Research | Mar-17 | 2348-6848 |
| 19. | A Secure and Authorized Data-Deduplication Using Hybrid Cloud | Mr.P.Srinivas Rao | CSE | International Journal of Research | Mar-17 | 2348-6848 |
| 20. | Content - Based Publish/Subscribe Systems For Reliable Matching Service | Mr.P.Srinivas Rao | CSE | International Journal of Research | Mar-17 | 2348-6848 |
| 21. | Detection Of Fraud | Mr.P.Srinivas Rao | CSE | International | Mar-17 | 2348-6848 |

| | | | | | | |
|-----|--|--------------------|-----|--|--------|-----------|
| | Ranking For Mobile Apps | | | Journal of Research | | |
| 22. | Secure Ranked Multi-Keyword Search in Encrypted Cloud Data | Mr.P.Srinivas Rao | CSE | International Journal of Research | 2017 | 2348-6848 |
| 23. | An Improved SIP Protocol in Heterogeneous Mobile Network for Efficient Communication | Dr.S.Kirubakaran | CSE | Journal of Research in Social Science and Humanities | Sep-16 | 2249-7315 |
| 24. | Auto-Bug Triager for Software Development and Maintenance in Domain Specific Environment | Dr.S.Kirubakaran | CSE | International Journal of Computer Sciences and Engineering | Jun-16 | 2347-2693 |
| 25. | An Approach for Active Deductive Database Management | Mr.T.Srikanth | CSE | IJIRT | Jan-17 | 2349-6002 |
| 26. | A survey on Active Database Management System | Mr.T.Srikanth | CSE | IJIRT | Sep-16 | 2349-6002 |
| 27. | Malicious Detection of Packet Dropping in Wireless Adhoc Network | Mr.K.Srinivas | CSE | International Journal of Research | 2017 | 2348-6848 |
| 28. | Multi-Authority Identity- | Mr.R.Bharath Kumar | CSE | International Journal of | 2017 | 2348-6848 |

| | | | | | | |
|-----|--|--------------------|-----|-----------------------------------|--------|-----------|
| | Based Encryption In Cloud Computing | | | Research | | |
| 29. | Data Integrity Auditing for Secure Sharing in Cloud with Group User Revocation | Mr.R.Bharath Kumar | CSE | International Journal of Research | Mar-17 | 2348-6848 |
| 30. | A Study on Important Considerations for Designing Fault Tolerant Systems | Mrs.G.Jose Mary | CSE | International Journal of Research | 2017 | 2348-6848 |
| 31. | Best Keyword Cover Search Using Spatial Data | Mrs.G.Jose Mary | CSE | International Journal of Research | 2017 | 2348-6848 |
| 32. | A Study on Important Considerations for Designing Fault Tolerant Systems | Mrs.S.Gouthami | CSE | International Journal of Research | 2017 | 2348-6848 |
| 33. | Mixed Reality: Augmented – Virtual and Its Usage in Medical Sciences | Mrs.S.Gouthami | CSE | International Journal of Research | 2017 | 2348-6848 |
| 34. | Identification of Path Nearby Clusters in Spatial Networks | Mrs.S.Gouthami | CSE | International Journal of Research | 2017 | 2348-6848 |
| 35. | Detecting Packet Drop and Forgery Attacks in Wireless Sensor | Mr.M.Narender | CSE | International Journal of Research | 2017 | 2348-6848 |

| | | | | | | |
|-----|---|--------------------|-----|-----------------------------------|--------|-----------|
| | Networks | | | | | |
| 36. | IP Spoofers Location Detection Using Backscatter | Mr.M.Narender | CSE | International Journal of Research | 2017 | 2348-6848 |
| 37. | A Secure and Authorized Data-Deduplication Using Hybrid Cloud | Mrs. L.Tarasvi | CSE | International Journal of Research | 2017 | 2348-6848 |
| 38. | An Evaluation of Detection of Outliers by Reverse Nearest Neighbours Method | Mrs.K.AM. Sushma | CSE | International Journal of Research | 2017 | 2348-6848 |
| 39. | Content - Based Publish/Subscribe Systems For Reliable Matching Service, | MrB.Naresh | CSE | International Journal of Research | 2017 | 2348-6848 |
| 40. | Secure Ranked Multi-Keyword Search in Encrypted Cloud Data | Mrs.S.Sandya | CSE | International Journal of Research | 2017 | 2348-6848 |
| 41. | Detection Of Fraud Ranking For Mobile Apps | Mr.P.Anand Kumar | CSE | International Journal of Research | 2017 | 2348-6848 |
| 42. | Secure Analysis Of Data Aggregation Technique For Wireless Sensor Network | Mr.D.Upender | CSE | International Journal of Research | 2017 | 2348-6848 |
| 43. | Firefly Optimization | Mr.S.Rakoth Kandan | CSE | Advances in natural | Mar-17 | 1995-0772 |

| | | | | | | |
|-----|--|---------------------------------|-----|--|-------------|-----------|
| | Based Multilevel Segmentation of Tongue Images, Advances in natural and applied sciences | | | and applied sciences | | |
| 44. | Self-adaptive dragonfly based optimal thresholding for multilevel segmentation of digital images | Mr.S.Rakoth Kandan | CSE | Journal of King Saud University | Nov-16 | 1319-1578 |
| 45. | Segmentation Techniques for Medical Images-An Appraisal | Mr.S.Rakoth Kandan | CSE | International Journal of Computer Applications | Nov-16 | 0975-8887 |
| 46. | Multilevel Segmentation of Fundus Images using Dragonfly Optimization | Mr.S.Rakoth Kandan | CSE | Journal of Computer Applications | Apr-17 | 0975-8887 |
| 47. | An Enhanced Reliable and Protective Method for flexible distributed Storage in Cloud Computing | Mr.S.Rakoth Kandan | CSE | International Journal of Advanced Research in computer and communication Engineering | Feb-17 | 2278-1021 |
| 48. | Area Efficient Design and Implementation of FMO/Manchester Encoding | CH. Ramyasri & Md. Hameed Pasha | ECE | International Journal of Research | August 2017 | 2348-6848 |

| | | | | | | |
|-----|--|---|-----|---|---------------|----------------|
| | Using SOLS Technique for DSRC Applications | | | | | |
| 49. | Smart Water Monitoring System Using Wireless Sensor Network at Home/Office | K. Radhakrishna, G. Prudhviraj | ECE | International Journal For Innovative Engineering and Management Research | March 2017 | 2278-0882 |
| 50. | Monitoring of objects in Environment using Wireless Sensor Networks | S. Sandhya Rani & Dr. M. Sushanth Babu | ECE | International Journal of Scientific Research Engineering & Technology(IJSRET), | November 2016 | 2278-0882 |
| 51. | Methods of Cluster Head selection in Wireless Sensor Network, Vol. 3, No. 7, , pp. | S. Sandhya Rani & Dr. M. Sushanth Babu | ECE | International Journal of Advanced Research in Computer Science and Management Studies, | July 2016 | 2321-7782. |
| 52. | Low Power Area Efficient Counter Using Pulse Triggered Flip-Flop, | A. Chakradhar, MD. Hameed Pasha & G. Shravan Kumar, | ECE | International Journal of Innovations in Engineering and Technology(IJIET), Special Issue, | 2016 | ISSN 2319-1058 |
| 53. | Fault Tolerant Parallel | Nainika Reddy | ECE | | 2016 | 2349-6002 |

| | | | | | | |
|-----|--|--|-----|--|----------|---|
| | Filters Based on Error Correction Codes,. | Aireddy & Chakradhar Adupa | | International Journal of Innovative Research in Technology(IJIRT) | | |
| 54. | VLSI Computational Architectures For the Arithmetic Cosine Transform, | T. Anitha & Sk. Masthan | ECE | International Journal of Innovative Research in Technology(IJIRT), | 2016 | 2349-6002 |
| 55. | <i>Design of Aging – Aware Reliable Multiplier using Adaptive Hold</i> | Penthala Ashwini & D. Prasad, | ECE | International Journal of Innovative Research in Technology(IJIRT), | 2016 | 2349-6002 |
| 56. | Design of Ultra Low Power Tri-CAM with 45nm, | Dr. Srinivasa Rao Ijjada & Raviteja Patnala | ECE | International Journal of Applied Engineering Research | 2016 | ISSN 0973-4562 |
| 57. | High Performance and Low Leakage 3DSOI Fin-FET SRAM, | Sudha D, ch. Santhirani & Sreenivasa Rao Ijjada, | ECE | American Journal of Engineering and Applied Sciences, | Feb 2017 | doi.org/10.3844/ajeassp.2017.101.107 |
| 58. | Efficient Low Leakage Novel 10T SRAM Cell Architecture, | Sreenivasa Rao Ijjada, D. Sudha & Ch. Santhirani | ECE | International Journal of Advance Research in Science and Engineering | Jan 2017 | 2319-8354 |

| | | | | | | |
|-----|--|--|-----|--|-----------|--------------------------------|
| 59. | FM Reciever Design Using Programmable PLL, Wireless Personal Communication, | Adesh Kumar, Gaurav Verma & Mukul Kumar Gupta, | ECE | International Journal of Advance Research in Science and Engineering | May 2017. | DOI: 10.1007/s11277.017-4536-1 |
| 60. | Web based Data Monitoring and Control System for Industrial Appliances, | D. Anuradha & A. Govind, | ECE | International Journal of Innovative Research in Technology(IJIRT), | 2017 | 2349-6002 |
| 61. | Automated Irrigation System Using GSM and Wireless Sensor Network, | S. Kalyan | ECE | International Journal of Innovative Research in Technology(IJIRT), | 2017 | 2349-6002 |
| 62. | Fault Tolerant Parallel Filters Based on Error Correction Codes, | A. Chakradhar | ECE | International Journal of Innovative Research in Technology(IJIRT), | 2017 | 2349-6002 |
| 63. | Optimal Location of TCSC and SVC using Hybrid Fruit Fly Firefly Optimization Algorithm in Transmission System. | Avudayya ppan, N. & Deepa | EEE | Asian Journal of Information Technology, SCOPUS | 2016 | vol.15, issue16, pp.2863-2872. |
| 64. | Wireless Based on Perfunctory Fire Detection | M.Yuvaraju, A.Naraina, K.Deepika, | EEE | International Research Journal of | 2016 | vol.3 , issue 6. 2016 |

| | | | | | | |
|-----|---|------------------------------|-----|--|------|-------------------------|
| | and Liberate system | | | Engineering and Technology, SCOPUS | | |
| 65. | Optimization of power flow in the AC coaches of the Indian railways from battery systems to AC compressors | Jithin, R.G, & A. Naraina. | EEE | International journal of Advanced science and engineering research, SCOPUS | 2016 | vol.1, issue 1. (2016). |
| 66. | , Control Application of PV Solar Farm as PV-STATCOM for Reactive Power Compensation during Day and Night in a Transmission Network , | K.Sujatha, M.Satyana rayana | EEE | International journal of Emerging Technologies and Innovative Research, Vol 3, Issue 10, October 2016, pp 66-74. JETIR | 2016 | ISSN-2349-5162 |
| 67. | Dual-Mode Control of AC/VSC-HVDC Hybrid Transmission Systems with Wind Power | N.Samatha & M.Satyana rayana | EEE | Integrated, Vol 3, Issue 10 October 2016, pp 29-43.JETIR | 2016 | ISSN-2343-5612 |
| 68. | Current Control Strategy for parallel Operation of inverters based on Micro grids, | K.Raju, G.Anil | EEE | International journal of Emerging Technologies and Innovative Research, Vol 3, Issue 10, October 2016, pp58-64. | 2016 | ISSN-2349-5162 |

| | | | | | | |
|-----|--|---------------------|-----|---|------|---|
| | | | | JETIR | | |
| 69. | Optimization of power flow in AC coaches of Indian railways from battery to AC compressors | Avudayapan, Naraina | EEE | 5 th International Conference on Advances in Computing, Control, Communication, Automation and Structural Engineering, 2016. Al-Amman Engineering College Erode. | 2016 | |
| 70. | "Synthesis and Biological Evaluation of Triazole linked Thiazolidenone Glycosides" | Dr.M.Sunitha | BSH | UGC-Scopus | 2016 | DOI: 10.17344/acta.2016.2727 ActaChim. Slov. 2016, 63, 827-836 |
| 71. | "Stereoselective Synthesis of Southern Fragment of Hantupeptin A" | Dr.M.Sunitha | BSH | UGC-Scopus | 2016 | DOI: 10.17344/acta.2016.2322 ActaChim. Slov. 2016, 63, 344-350 |
| 72. | "Microwave-assisted Synthesis of Hybrid Heterocycles as Potential Anticancer Agents" | Dr.M.Sunitha | BSH | UGC-Scopus | 2016 | DOI: 10.17344/acta.2016.3153 ActaChim. Slov. 2017, 64, 319-331 |

2**ADMINISTRATIVE ACTIVITIES INCLUDING MEETINGS OF STATUTORY BODIES****2.1****ADMINISTRATIVE ACTIVITIES INCLUDING MEETINGS OF STATUTORY BODIES****2.2****College Academic Council(CAC) Meeting****Table30**

| S.No | Nature of Meeting | Date of Meeting | Remarks |
|-------------|--------------------------|------------------------|------------------|
| 1. | College Academic Council | 17-07-2017 | Refer Annexure-I |

3.1 Professional Societies**Professional Societies at JITS**

The institute has many professional societies to encourage faculty and students to learn new technological developments and present their ideas in different platforms.

The following are the professional societies with Institute with respective to each department

- Institute of Electrical and Electronics Engineering(IEEE)
- Indian Society for Technical Education(ISTE)
- Institute of Electrical and Telecommunication Engineering(IETE)
- Institute of Engineer in India (IEI)
- Society of Automobile Engineering (SAE)
- Association for Computing Machinery(ACM)
- IEEE-Circuits and Systems
- IEEE-Power Electronics Society
- IEEE-Computer Society of India.

Institute of Electrical and Electronics Engineering (IEEE)

IEEE Student Branch (IEEE-SB) chapter was started in the year 2005

Jayamukhi IEEE Student branch was formed on 2nd December, 2005 and is one of the vibrant student branches in Hyderabad Section. Over the years the strength of the SB has grown steadily and currently the membership stands close to 90. This membership is spread across various sectors and is a nice blend of industry, Academia and Research organizations.

JITS IEEE SB has one affinity group. The SB carry out focussed activities in the respective area by way of conducting technical talks under DLT, Seminars, Tutorials, Workshops...etc. A part of the affinity group viz. The Graduate of the Last Decade (GOLD) and Women in Engineering (WIE) also carry out related activities.

In the year 2011 the Women In Engineering (WIE) Student Branch Affinity Group (SBAG) was formed in Jayamukhi Institute of Technological Sciences, inaugurated by Ms. Madhumita Chakravarthi, Chairman (2011), WIE Affinity group, IEEE Hyderabad section.

ABHIGNATA-2016

Abhignata is National Level Technical fest conducting every year under IEEE Student Branch.



Programs organized under IEEE SB at JITS

Table 31

| S.No | Name of the Event | Date | No.of students participated |
|------|-----------------------|------------|-----------------------------|
| 1 | Abhignata-2017 | 22.02.2017 | 652 |
| 2 | Spoorthy-2017 | | |
| 3 | IEEE Day | 02.10.2017 | 88 |
| 4 | IEEE Membership Drive | 25.11.2016 | 120 |

Indian Society for Technical Education (ISTE).

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System.

ISTE student Chapter in our institute was started in the year 2006 under this student chapter every year we are organizing Technojits (Technical and cultural events) National Level event. The ISTE student chapter of our institute received the

Best ISTE student Chapter Award 2010.



Received Best Student Chapter award

Technojits-2016

Table 32

| S.No | Name of the Event | Date | Chief guest | Total Number of Participants |
|-------------|--|--|---|-------------------------------------|
| 1 | Technojits 2016 1.Paper Presentation 2.Project Presentation 3.Poster Presentation 4. Literary events 5. Technical Events 6. Cultural events | 23th & 24 th September 2016 | Dr.Vemula Rama Rao ISTE Executive council Member, Hyderabad, Telangana Section | 430 |



Dr.Vemula Rama Rao ISTE Executive council Member, Hyderabad, Telangana Section, Addressing during Technojits-2016 Inaugural Session.

Institution of Engineers (India)- IE(I).

1. ENGINEERS DAY CELEBRATION :

- ✓ **Date:** 15th September 2016
- ✓ **Venue:** Main Seminar Hall
- ✓ **No.of Participants:** 120 members of IE(I)
- ✓ **Event Coordinator:** Gulam Quadar (Adviser)

On the eve of Bharath Ratna Sir Mokshshagundam Vishweswaraya we have celebrated the Engineers day on 5 September 2016 at main seminar hall. On this day we had felicitated the engineer or entrepreneur as an gratitude to their services towards society. On this day we felicitated Sri TVRN Reddy for his services towards society



Department Of Civil Engineering Felicitating The Sri TVRN Reddy Garu The Dean Academics Prof.G Sataiah and Head Mech Dr.V.Vikram Reddy and Advisor IE(I) Student Chapter Er.Gulam Samdani.



All the Heads i.e., Prof.G.Sataiah Dean Academics ., Prof.K.Krishna Kumar(H&S),Prof.M.Vani Manohar(MBA),, Dr.Vikram Reddy(MECH),, Md.Hameed Pasha(ECE),, Mr.PS Rao(CSE),, Mr.D.Rajani Kumar(EEE),, and Advisor Gulam Samdani .

2. GUEST LECTURE ON - Offshore Structures And Career Guidance:

- ✓ **Date:** 15th September 2016
- ✓ **Venue:** Main Seminar Hall
- ✓ **No.of Participants:** 120 members of IE(I)
- ✓ **Event Coordinator:** Gulam Quadar (Adviser)

By Er.Dinesh Adepu Offshore Structural Engineer at Technip Company Located at United Arab Emirates. It gives an exposure to the offshore engineering to civil students.



Felicitation to Er.Adepu Dinesh by joint secretary Sri TVRN Reddy and Dean Academics Prof.G.Sathaiah

3. HARITHA HARAM:

- ✓ **Date:** 15th September 2016
- ✓ **Venue:** JITS Campus
- ✓ **No.of Participants:** 100 members of IE(I)
- ✓ **Event Coordinator:** Gulam Quadar (Adviser)

As a part of the social service the IE(I) Student Chapter had Organized Haritha Haram Programme on 28 July 2016 . In this event the Chief Guest is IE(I) Local center Chairman Sri R.Ragahvulu and President of the Function is Principal Dr.M.Lokanadha Rao preside the function.



Director Dr.G Krishna Murthy., Principal Dr.M.Lokanadha Rao.,Chief Guest Er.Raghavulu and Coordinator Er.Gulam Quadar Planting a Tree.



Principal Dr.M.Lokanadha Rao And Er.Gulam Quadar Coordinator IE(I) Student Chapter Planting a tree.

SAE-Jayamukhi Collegiate Club:**Table 33**

| S.No | Date(s) of FDP Conducted | FDP Name | No.of Participants | No.of Resource Persons | Name of the Resource persons | Coordinator |
|------|--------------------------|--------------------------------------|--------------------|------------------------|---|-------------------|
| 1 | 14-12-2016 to 20-12-2016 | FDP on "DOE and Optimization methods | 50 | 4 | Dr.C.S.P.Rao, Professor, NIT,Warangal. Dr.A.Kumar Associate Professor,NIT, Warangal. Sri.P.Subhash Chandra Bose,Assistant Professor, NIT,Warangal. Dr.M.V.Satish Kumar Professor and Head in Dept. of Mechanical Engineering, KITS (S) Huzurabad | Dr.V.Vikram Reddy |





**For Student :
Table 34**

| S.No | Date(s) | Name | No.of Participants | Organizing Society | Organized by Venue -Place | Coordinator |
|------|------------|--------------------------------|--------------------|--------------------|-----------------------------|-----------------------------------|
| 1 | 06-03-2017 | Aero Design Challenge Workshop | 65 | SAE JCC | Mechanical Engineering,JITS | Dr.V.Vikram Reddy B.Hemasunder |





3.2 Entrepreneur Development Cell (EDC) Cell

Entrepreneur Development Cell:

- ❖ Entrepreneurship cell is established in July 2011 sponsored by **All India Council For Technical Education with grant-in-aid Rs.7,00,000/-** and various events were organized to know the importance of being an entrepreneur and different ways to get financial assistance to become an entrepreneur.
- ❖ Coordinator Prof. G. Krishna Murthy, M.B.A Department.
- ❖ After having established Innovation Council in the JITS. the EDC preferred to work with it since innovation is the pre-requisite for the success of the business proposal of any type. Inventing new products, particularly in the field of technology, is precious in the present age of hyper-competition. As such, JITS has realized the importance of training the graduating engineers in enhancing the invention skills, net-working of the Innovation Cell and ED Cell is encouraged. The EDC of the Institute has organized expert lectures on the process of innovation and testing its commerciality. These lectures have helped a few students to know about the importance of self employment and wealth creation. They also understood that creativity and innovation are the prerequisites for the success of business ventures. For intensifying the skills of innovation and creativity in products development and marketing by the professional students this COUNCIL organized a Workshop. Mr.

Viswanath Kencha, of T-hub engaged in Computer Software development has conducted the workshop. There were 14 students present in the workshop. He exhorted to the students that the computer knowledge is a must for every startup as a measure of cost reduction and fast achievement of the objectives. The 14 participants have presented their innovative ideas concerning the use of (a) local waste like dried marigold flower, maize candy covers, kernel of plantains etc (b) of human hair to produce power, (c) computers for fast communication and for transfer of funds, and (d) socio-economic data bases for research projects. However, it is also impressed upon the students that the product development is not the final step in starting the new venture but one must also prepare a financial plan and market potential for the innovative product. Innovation Council and the EDC have continued to organize problem-solving exercises periodically.



Training program for students under EDC cell.

3.3 INSTITUTE INNOVATION CELL(IIC)

The institution has acknowledged many tools for measure and promotes innovative research activities through the cells like Research and Development, Institution's Innovation, and other promotional cells/societies. The **Research and Development cell** has eventually developed to create the research activities and encourage the undergraduate, postgraduate, staff member, and faculties to research newly emerging frontier areas of Engineering, Technology, Science, and Humanities including multidisciplinary fields. Also, the normal research methodologies have been promoted to enhance the research capabilities like participating in conferences, seminars, workshops, project competitions, Training programs, etc. Additionally, the institution extends the financial support to students/staff members/facilities for their innovative research and developments.

IIC of JITS was established to systematically foster the culture of innovation among the students across various departments inside the Institute. Ministry of Human Resource Development (MHRD) has established Institution Innovation Council among all Higher Education Institutions. The focus of IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes.

In Industry 4.0 revolution, the institution primarily focuses on the Teaching & Learning process, there requires some additional motivation for the students to meet the standards of Industry as well as the society. Particularly, JITS facilitates better opportunities for the students to conduct Curricular and co-curricular activities. In this regard, a separate Student Activity Center (SAC) is established and handled by students, which provides an excellent opportunity and awareness to the students. The following societies are handled by the students with senior faculties during each semester at the Student Activity Centre (SAC):

3.1**NSS Activities****Table35**

| S.No. | Date | Activity | Venue | No.of Participants |
|--------------|-------------|--|----------------|---------------------------|
| 1 | 6/21/2016 | Organized International Yoga Day in the College | JITS Narsampet | 300 |
| 2 | 7/25/2016 | Organized Haritha Haram Programme in the College and planted 300 samplings by inviting Narsampet Rural SP, Ambar Kishore Jha. | JITS Narsampet | 200 |
| 3 | 12/30/2016 | Participated in the Inter-District Level Workshop on VittiyaSaksharataAbhiyaan organized by JNTU NSS Cell on 30 th Dec, 2016 at JNTU College of Engineering Jagtial | JNTU Jagtial | 50 |
| 4 | 1/24/2017 | Organized a seminar and rally on Road Safety Measures by inviting Narsampet CI, Sri Bonala Kishan | JITS Narsampet | 250 |

**JAYAMUKHI – NSS UNIT**

3.2

Sports and Games

| Sl. No | H.T.No. | Name of the student | Date (s) | Title of the Programme | Event | Organized By | Remarks |
|------------|------------|----------------------|---|--|---------|--|-------------------|
| 1 | 13C41A0455 | P.Kasheem | 29 st Nov, 2016 | State level Cricket Tournament (All Engg colleges in Telangana) | Cricket | Eenadu Trophy , Arts & Science college, Hanamkonda | Partici pation |
| | 14C45A0220 | A. Kushal | | | | | |
| | 13C41A0117 | L.Anil | | | | | |
| | 14C41A0302 | K.RaviTeja | | | | | |
| | 14C41A0306 | Ch.Rakesh | | | | | |
| | 15C45A0407 | M.Shiva Kumar | | | | | |
| | 14C41A0193 | G.Nagendra | | | | | |
| | 16C45A0215 | Md.Rafeeq | | | | | |
| | 14C41A0246 | A.Arjun Kumar | | | | | |
| | 15C41A0459 | Akhil | | | | | |
| | 13C41A0339 | V.Hari Krishna | | | | | |
| | 15C41A0327 | K.Shiva Prasad | | | | | |
| | 15C41A0364 | G.Nagaraju | | | | | |
| | 14C45A0341 | Vamshi | | | | | |
| 15C45A0214 | A.Bharath | | | | | | |
| 2 | 13C41A0455 | P.Kasheem | 3 rd to 11 th Jan, 2017 | State level Cricket Tournament (All Engg colleges in Telangana) | Cricket | S.R Engg College, Warangal | Partici pation |
| | 14C45A0220 | A. Kushal | | | | | |
| | 13C41A0117 | L.Anil | | | | | |
| | 14C41A0302 | K.RaviTeja | | | | | |
| | 14C41A0306 | Ch.Rakesh | | | | | |
| | 15C45A0407 | M.Shivakumar | | | | | |
| | 14C41A0193 | G.Nagendra | | | | | |
| | 16C45A0215 | Md.Rafeeq | | | | | |
| | 14C41A0246 | A.Arjun Kumar | | | | | |
| | 15C41A0459 | Akhil | | | | | |
| | 13C41A0339 | V.Hari Krishna | | | | | |
| | 15C41A0327 | K.Shiva Prasad | | | | | |
| | 15C41A0364 | G.Nagaraju | | | | | |
| | 14C45A0341 | Vamshi | | | | | |
| 15C45A0214 | A.Bharath | | | | | | |
| 3 | 13C41A0455 | P. Kasheem | 16 th to 20 th Jan, 2017 | State level Cricket Tournament (All Engg colleges in Telangana) | Cricket | Sakshi Tournaments CKM, Warangal | Partici pation |
| | 14C45A0220 | A. Kushal Kumar | | | | | |
| | 13C41A0117 | L. Anil Kumar | | | | | |
| | 14C41A0246 | B.ArunNaik | | | | | |
| | 14C41A0306 | CH.Rakesh | | | | | |
| | 15C45A0407 | M.Shiva Kumar | | | | | |
| | 14C41A0193 | G. Nagendra Kumar | | | | | |
| | 16C45A0215 | MD.Rafeeq Pasha | | | | | |
| | 15C45A0214 | AllamBharath | | | | | |
| | 14C45A0341 | VagaVamshi | | | | | |
| | 13C41A0339 | V. Hari Krishna | | | | | |
| 4 | 13C41A0117 | L.Anil Kumar | 23 rd to 25 th | State level Cricket | Cricket | Sri ChaitanyaEng | Partici pation |
| | 13C41A0455 | P.Kasheem | | | | | |

| | | | | | | | |
|---|------------|---------------------|--|---|---------|------------------------------------|--------------------------|
| | 14C41A0306 | Ch.Rakesh | Feb, 2017 | Tournament (All Engg colleges in Telangana) | | gCollege, Karimnagar | |
| | 15C45A0407 | M.ShivaKumar | | | | | |
| | 16C45A0215 | MD.Rafeeq | | | | | |
| | 15C41A0459 | Akhil | | | | | |
| | 15C4A10327 | K.Shiva Prasad | | | | | |
| | 15C41A0364 | G.Nagaraju | | | | | |
| | 15C41A0365 | K.Deekshith | | | | | |
| | 15C41A0167 | G.Ranjith | | | | | |
| 5 | 12C41A0525 | E.Vinay Kumar | 11 th - 15 th April, 2016 | National level 15-15 cricket championshi p (National Level) | Cricket | GOA F-15 Cricket Association | 2 nd Prize |
| | 12C41A0307 | MD.Mansoor Pasha | | | | | |
| | 12C41A0313 | A.Vasunder Reddy | | | | | |



K.Rakesh B.Tech(ECE) student won National Judo Championship at Orissa KIIT University

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3.6 Cultural Activities

Jayamukhi Institute of Technological Sciences is having exclusive club for cultural and literary event organized under JAYAMUKHI CULTURAL CLUB(JCC). JCC will organize all cultural activities pertaining to the state and national festivals, Jayatarang is an annual event of our institute, which will celebrate for 3 days. The first day begins with sports day, second day fete and third day celebrate as Annual day function.



Celebrating International Women's Day.

Every year the institute will celebrate the International women's day on March 8th on this day Management, Principal and Director felicitate the women faculty and encouraging them to participate equally in all activities.



ANNEXURE-I



JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

(AUTONOMOUS)

Narsampet, Warangal- 506332

Members present in III College Academic Council Meeting held on 17-07-2017.

| S.No. | Name and Address | Designation | Signature |
|-------|--|------------------|-----------|
| 1. | Prof.M.Lokanada Rao, Principal, JITS | Chairman | |
| 2. | Prof.B.Anjaneya Prasad, Director of Evaluation, JNTUH | Member | |
| 3. | Prof.M.Anji reddy, Director, R&D, JNTUH | Member | |
| 4. | Prof.P.Srinivas Rao, Addl. Charge, JNTUCEH | Member | |
| 5. | Prof.K.Kishan Rao, Dept. of ECE, SNIST, Hyderabad. | Member | |
| 6. | Prof.G. Sathaiah, Dean. Academics, JITS | Member | |
| 7. | Prof.Jayadev Gyani, Dept. of CSE, JITS | Member | |
| 8. | Prof.G.Srihari, Dept. of Mechanical, JITS | Member | |
| 9. | Prof.K.Ashoka Reddy, Prof. ECE, KITSW | Member | |
| 10. | Prof.K.Prakash, Principal, VCEW | Member | |
| 11. | Sri.C.Yukthesh, IBM India Pvt. Lmt. | Member | |
| 12. | Sri.B.Jaipal Reddy, CMD, Appolo Computing Systems, Hyderabad | Member | |
| 13. | Sri. B. Srinivas Reddy, EE, Irrigation Warangal | Member | |
| 14. | Dr.V.Vikram Reddy, Head, Mechanical Engg., JITS | Member | |
| 15. | Prof.G.Krishna Murthy, Director, MBA, JITS | Member | |
| 16. | Prof.K.Krishna Kumar, Head, BSH, JITS | Member | |
| 17. | Sri.P.Srinivasa Rao, CSE, JITS | Member | |
| 18. | Sri.Md.Hameed Pasha, ECE, JITS | Member | |
| 19. | Sri.A.Sugunakar, Civil, JITS | Member | |
| 20. | Sri.D.Rajani Kumar, EEE, JITS | Member | |
| 21. | Smt.S.Goutami, Asst. Prof., CSE, JITS | Member | |
| 22. | Prof.P.Rangaiah, Director, JITS | Member Secretary | |

Minutes of the III College Academic Council Meeting held on 17/07/2017.

Sri. T.V.R.N Reddy, Joint Secretary welcomed the members and their interest and cooperation in improving academic status and progress of the institution. Dr.M.Lokanada Rao, Principal, gave a detailed PPT presentation of the College and its implementation of CBCS scheme under UG and PG programs.

The following decisions were taken:

Item.No.1.0: Resolved to approve the syllabi of III & IV year B.Tech, including Open Electives and Professional Electives for the following Programs.

- i. B.Tech.(Electronics & Communication Engineering)
- ii. B.Tech.(Computer Science & Engineering)
- iii. B.Tech.(Mechanical Engineering)
- iv. B.Tech.(Electrical & Electronics Engineering)
- v. B.Tech.(Civil Engineering)

Item.No.2.0: Resolved to approve the **Revised Grading System (Annexure-I)** for B.Tech, M.Tech, MBA batches admitted from 2017-18 onwards and for the B.Tech lateral entry students for the Academic Year 2018-19.

Item.No.3.0: Resolved to approve the detailed transitory regulations (**Annexure – II**)

Item No. 4.0: Resolved to approve the amendment of Academic Rules and Regulations for Mandatory Courses (**Annexure – III**)

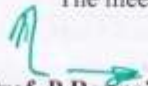
Item No.5.0: Resolved to approve the amendment of promotion rules (**Annexure- IV**) for the R-15 CBCS Regulations.


Item.No.6.0: Resolved to approve the minor change in Malpractice Rule S.No12 of Academic Regulations (**Annexure – V**).

Item No.7.0: Resolved to approve the constitution of following subcommittee to recommend for the conduct of any one mid semester examination to students on medical and other genuine grounds.

1. Concerned Head of the Department ---Chairman
2. Senior faculty nominated by Principal
3. One senior faculty member of the concerned department and one faculty member of the other department.
4. Additional Controller of Examination as Convener.

The meeting ended with vote of thanks by the Chairman.


Prof. P.Rangiah
(Member Secretary)


Dr.M.Lokanada Rao
(Chairman-CAC)



JAYAMUKHI
INSTITUTE OF TECHNOLOGICAL SCIENCES