

# CONTENTS

## ACADEMIC YEAR 2017-18

### ACADEMIC ACTIVITIES AND RESEARCH ACTIVITIES UNDERTAKEN

- 1.1 Academic Activities
  - 1.1.1 Academic Programs Offered
  - 1.1.2 Enrolment
  - 1.1.3 Curriculum
  - 1.1.4 Institutional Achievements
  - 1.1.5 Faculty Development and Achievement
    - 1.1.5.1 Faculty Development Programs Organized
    - 1.1.5.2 Faculty Development Programs Participated
    - 1.1.5.3 Faculty Achievements
  - 1.1.6 Student Activities and Achievement
    - 1.1.6.1 Student Academic Activities
    - 1.1.6.2 Value added Courses
    - 1.1.6.3 Industrial Visits/ Industrial Training
    - 1.1.6.4 Student Counseling and Coaching
    - 1.1.6.5 Mentor and Mentee System
    - 1.1.6.6 Student Achievements
  - 1.1.7 Results
  - 1.1.8 Training and Placement Cell Activities
    - 1.1.8.1 Placement Training and Drive Details
    - 1.1.8.2 Details of students placed.
- 1.2 Research Activities
  - 1.2.1 Promotion of Research and Facilities
    - 1.2.1.1 Faculty Motivation Scheme for Research
    - 1.2.1.2 Details of Scheme

## 1.2.2 Suggestions/Recommendations

### 1.2.2.1 UGC Guidelines on Research

## 1.2.3 Research Facilities and other details

## 1.2.4 Research Papers published

## 2. ADMINISTRATIVE ACTIVITIES INCLUDING MEETING OF STATUTORY BODIES

### 2.1 Joint Board of studies Meeting

## 3. EXTENSION ACTIVITIES UNDERTAKEN

### 3.1 Professional Societies

### 3.2 Entrepreneur Development Cell(EDC)

### 3.3 Institute Innovation Cell(IIC)

### 3.4 NSS activities

### 3.5 Sports

### 3.6 Cultural Activities

## 4. ANNEXURE

Annexure-I : Joint Board of Studies

# PROGRESS REPORT FOR THE ACADEMIC YEAR 2017-18

## 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, Accredited by NBA 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 CIVIL, EEE, MECH, ECE and CSE with a total intake of 540 students and at the postgraduate level, it offers courses like M.Tech. (CSE), M.Tech. (Embedded Systems), 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 ACADEMIC ACTIVITIES AND RESEARCH ACTIVITIES UNDERTAKEN

## 1.1 ACADEMIC ACTIVITIES

### 1.1.1 ACADEMIC PROGRAMS OFFERED

The details of the programs offered, intakes for the academic year 2017-18 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	Civil Engineering	2013	60
2.	UG	B.Tech	I	Electrical and Electronics Engineering	2001	120
3.	UG	B.Tech	I	Mechanical Engineering	2009	120
4.	UG	B.Tech	I	Electronics and Communication Engineering	2001	120
5.	UG	B.Tech	I	Computer Science and Engineering	2001	120
<b>Total</b>						<b>540</b>
6.	PG	M.Tech	I	Embedded Systems	2009	24
7.	PG	M.Tech	I	Computer Science and Engineering	2008	24
<b>Total</b>						<b>48</b>
8.	PG	M.B.A	I	--	2007	60

**Table 2**

Shift	No.of UG Programs Offered	No.of PG Programs Offered	Other PG program
I	05	02	01

### 1.1.2 Enrolment

**Table 3**

Level of Program	Program	Total Intake	Enrolment		
			Regular	Lateral Entry	Total
UG	B.Tech	540	307	167	474
PG	M.Tech	48	18	--	18
PG	MBA	60	29	--	29

**Table 4**

Program	AICTE Approved Intake	JNTUH Approved Intake	Enrolment		
			Regular	Lateral Entry	Total
B.Tech(ECE)	120	120	96	44	140
B.Tech(CSE)	120	120	112	13	125
B.Tech(EEE)	120	120	40	40	80
B.Tech(CE)	60	60	30	25	55
B.Tech(MECH)	120	120	29	45	74

**Table 5**

Program	AICTE Approved Intake	JNTUH Approved Intake	Admitted Intake
M.Tech(ES)	24	24	10
M.Tech(CSE)	24	24	08
M.B.A	60	60	29

### 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.

**The Institutional Achievements**

- ❖ Received Chairman's Commend Award and cash prize Rs.10,000/- in Tractor Design Competition held by SAE India -2018 at SRM Chennai.



- ❖ Bagged All India Rank-59, South India Zonal Rank-15, State Rank-5 & Top in Warangal out of 1500+ Engineering Colleges are participated in All India level Internship Program, hosted by AICTE & Internshala.



- ❖ **AICTE** has sanctioned grant in aid of **Rs.1,00,000/-** for conducting seminar on **Jini Technology**
- ❖ **AICTE** has sanctioned grant in aid of **Rs.13,54,000/-** under **MODROB** scheme to modernize **“Advanced Digital Signal Processing Laboratory using Network Simulator2”** for the department of Electronics and Communication Engineering.
- ❖ **AICTE** has sanctioned grant in aid of **Rs.4,42,000/-** under **Faculty Development Schem(FDP)** on “Data Science and its research confronts”
- ❖ **AICTE** has sanctioned grant in aid of **Rs.1,00,000/-** under Seminar Grant scheme on “JiNi Technology”.

### 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 2017-18

##### 1.1.5.1 Faculty Development Programs Organized

Faculty organized Workshops/Seminars/Training Programs

**Table 6**

S. No	Date(s) of FDP Conducted	FDP Name	No. of Participants	No. of Resource Persons	Names of the Resource Persons
01	1 <sup>st</sup> and 2 <sup>nd</sup> Dec, 2017	JINI Technology	50	5	1.Dr.L.Anjaneyulu NIT Warangal 2.Dr.K.Sasidhar SNIST,Hyderabad 3.Prof.G.Narsimha JNTUCE, Jagityal 4.Mr.Mehdi, HCLHyderabad 5.Dr.KV.Sharma Polaris,Hyderabad
02	13 <sup>th</sup> -18 <sup>th</sup> Oct,2017	Android Application Development	57	1	Mr.D.Sai Sathish CEO/Indian Servers
	21 <sup>st</sup> May 2018 to 26 <sup>th</sup> May	Deep Learning	50	5	1.P.Mohan,Tech Mahindra, Hyderabad 2. DR S G SANJEEVI

03	2018				Professor/CSE NIT Warangal 3. Dr.B.Manjula, KU Warangal 4.Dr.B.Rama, Prof./CSE,KU Warangal 5. Dr.T.Ramesh, NIT Warangal
04	7 <sup>th</sup> Oct, 2017	Expert Lecture on Additive Manufacturing & Its Applications	50	1	Prasad Rao, MD, Winwill Technologies
05	18 <sup>TH</sup> SEPT '2017	A national level Workshop on REVIT MEP (HVAC)	40	1	Mr.Sk.Zaheeruddin MD, Futuregentechologies
06	14 <sup>th</sup> Sep.2017	Networking Simulation	55	1	Rajesh Jha
07	13 <sup>th</sup> Sep.2017	Circuit Simulation	45	1	Rajesh Jha

#### 1.1.5.2 Faculty Development Programs Participated

Faculty Participated in Workshops/Seminars/Training Programs:

**Table 7**

S.No.	Date(s) of FDP Attended	FDP Name	No. of Partici pants	Name(s) of The Faculty	Organized By – Venue – Place
01	1 – 2 Dec,2017	Ji-Ni Technology	21	Md.Hameed Pasha A.Govind S.Rakesh K.Jayaprada P.Shilpa K.Ashok Kumar SK.Mastan S.Kalyan J.Swapna P.Ramya T.Ramya Krishna M.Sridhar N.Sukumar	JITS NARSAMPE T



				L.Motilal T.Karteek L.Rekha G.Bala Krishna M.Raju N.Lalu A.Chakradhar B.Nirmala	
02	20 <sup>th</sup> Nov 2017 to 2 <sup>nd</sup> Dec 2017	Simulation of Wireless Sensor Networks using NS2	02	S.Sandhya Rani M.Manoj Kumar	AICTE- Srinidhi Inst.of Science & Technology
03	14 <sup>th</sup> Sep.2017	Networking Simulation	09	S.Kalyan S.Sandhya Rani D.Prasad M.Sreedhar S.K.Mastan N.Lalu P.Ramya M.Manoj Kumar K.Jayaprada	DELLSOFT -Dept.of ECE JITS
04	13 <sup>th</sup> Sep.2017	Circuit Simulation	01	N. Lalu	DELSOFT - Dept.of ECE, JITS
05	27 <sup>th</sup> Nov. to 9 <sup>th</sup> Dec 2017.	Two Week AICTE sponsored Faculty Development Program on “Renewable Energy Management and Advanced Techniques for Sustainable Future”	04	Mr.D.Rajanikumar Mr.B.Naresh Mrs.K.Sreedevi Mr.G.Anil.	SR Engineerin g college
06	6 <sup>th</sup> to 11 <sup>th</sup> Nov 2017	One week Faculty Development Program on “Challenges & Advances in Renewable Energy Sources (CARES-2017)	02	Mr.D.Rajanikumar Mrs.K.Sreedevi	Kamala Institute of Technology & Science, Singapur

07	Feb 2018	R Programming	02	B.Naresh K.Anil	Vaagdevi College of Engineerin g,Warangal Institute
08	13 <sup>th</sup> - 18 <sup>th</sup> Oct,2017	Android Application Development	20	P Srinivasa Rao G Jose Mary M Shara Lydia K Srinivas S Gouthami B Naresh M 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 P Kartheek Rao D Upender N Devender K Chaithanya Kumar Reddy	
09	1st - 5th May 2018	Android developer fundamentals	02	S.Sandhya S.Sravanthi	KITS Warangal
10	22nd - 24th Feb 2018	Machine Learning and Predictive Analytics	01	K.Srinivas	JNTUHC COE , Sulthanpur
11	21 <sup>st</sup> May 2018 to 26 <sup>th</sup> May 2018	Deep Learning	22	DR.P.RAJKUMAR P SRINIVAS RAO G JOSE MARY S GOUTHAMI K SRINIVAS R BHARATH KUMAR K A M SUSHMA B NARESH L TARASVI M NARENDER S SANDHYA V SRAVAN KUMAR K SANTHOSH KUMAR K CHITHYANYA	JITS Narsampet

				P ANAND KUMAR D UPENDER S SRAVANTHI K MAHESH S DEVENDER N SADANANDAM P KARTHEEKRAO K DAYAKAR	
12	19th-24th June 2017	Soft computing	02	K.Dayakar K.Anil	VCE ,Bollikunta, warangal
13	19 <sup>th</sup> to 21 <sup>st</sup> July, 2017	International Conference on Advances in Design, Materials, Manufacturing and Engineering for Mobility”	04	Dr.V.Vikram Reddy B.Hemasunder P.Vamshi Krishna M.Radhika	SAE India Sothern Section BSA Crescent University Chennai
14	19th to 24th June, 2017	Participated in one week workshop on “ Research methodology and Faculty Advisers Forum”	01	B.Hemasunder	SAE India Sothern Section MLRIT Hyderabad
15	2018	International Seminar on “Technologies for Management of Waste” In Collaboration with Center for the transformation of waste technology USA.	01	Gulam samdani	KITS Warangal
16	2018	Faculty Development programme on “Autodesk Revit Architecture”	01	Gulam Quadar Gulam samdani Sayed Samiullah	Vaagdevi College of Engineerin g, Warangal

17	11 <sup>th</sup> to 15 <sup>th</sup> June, 2018	Faculty Development programme on “Engineering Mechanics”	19	Gulam Quadar Gulam samdani Sayed Samiullah B.Saicharan L.Naveen M.Santhosh Punith.YM Venkatesh.S Shivakumar.DS CH.Shalini B.Laxmi P.Vydehi A.Shivashankar A.Sindhuja B.Hadassa Joice G Swathi B Ramesh T Moulika A ShivaShankar	Vaagdevi College of Engineerin g, Warangal
18	19 <sup>th</sup> &20 <sup>th</sup> july2018	International Conference on “ Sustainable Construction Materials and Recent Innovations in Civil Engineering”	03	Gulam Quadar Gulam samdani Sayed Samiullah	Vaagdevi College of Engineerin g, Warangal
19	27 <sup>th</sup> -31 <sup>st</sup> Aug 2018	One Week National Seminar on “ Optimization of Sustainable Cementations Materials for Development of different cement composites” Science & Engineering Research Board (SERC), Department of	01	Gulam samdani Gulam Quader	KITS Warangal

		Science and Technology (DST), Govt of India			
20		National Workshop on “Connect Engineers to MEP Industries”	01	Gulam Quadar	JNTUCE, Hyderabad
21		International Short Course on “Pavement Geotechniques with Geo Synthetics”	01	Gulam Quadar	Vellore Inst.of Technology( VIT)
22	28 <sup>th</sup> Sep 2018	National Workshop on “Disaster Management”	01	Gulam Quadar	JNTUCE, Hyderabad
23	5 <sup>th</sup> -6 <sup>th</sup> Oct 2018	Workshop on “Geospatial Technology”	12	B.Saicharan L.Naveen M.Santhosh Punith.YM Venkatesh.S Shivakumar.DS CH.Shalini B.Laxmi B.Hadassa Joice G Swathi B Ramesh T Moulika	
24		Seminar on “Glimpses of World Class Innovations in the Realm of Civil Engineering”	01	G.Swathi	Ashoka Inst.of Engg and Technology HYD
25	29 <sup>th</sup> -30 <sup>th</sup> Nov 2017	Issue and challenge of of tribal education in India	01	Sumayya zeeshan	Indira Gandhi national tribal university ,

					madyaprad esh
26	7 <sup>th</sup> -8 <sup>th</sup> September 2017	Employee opportunities In Tourism & Hospitality Industry Skill Development for youth	02	Dr. Sriram E Mr. Satihs S	CDC College Hanumoka nda

### 1.1.5.2 Faculty Achievements

- 1) **Dr.M.Sushanth Babu**, Professor of ECE received grant in aid of **Rs.13,54,000/-** AICTE grant to Modernize the “**Advanced Digital Signal Processing Laboratory using Network Simulator 2**”.
- 2) **Dr.Jayadev Gyani**, Professor of CSE received grant in aid of **Rs.4,42,000/-** AICTE grant to organize two weeks faculty development Program on “**Data science and its research confronts**”.
- 3) More than **200 Faculty** members were deputed to attend Seminars, Conferences, STTPs for the last 3 years.
- 4) The Faculty have published Technical Research Papers about **53** in National and **81** in International Journals/Conferences
- 5) **Dr.Jayadev Gyani**, Professor of CSE received grant in aid of **Rs.1,00,000/-** AICTE grant to organize two days Seminar on “**Ji-Ni Technology**”
- 6) **Mohammad Hameed Pasha, Associate Professor, Department of ECE** appointed as a Article Reviewer and Panel Member in International Conference held at Chaintanya Engineering College -2017.



## 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 8.

**Table 8**

S.No	Date of Activity	Details	Resource Person	Resource Person Details	Participants	No. of Participants
1	16 <sup>th</sup> September 2017	Guest Lectures: On Remote Sensing & Gis	Mrs.Laxmi Pavani	KITSW	III Years	140
2	19 <sup>th</sup> September 2017	One Day National Level Workshop On Revit (Structural And Architectural)	MD.Zahirudin	Future gen Technology	III Years	75
3	29 <sup>th</sup> & 30 <sup>th</sup> December 2017	Technojits 2017	Dr.Somayajulu, NIT Warangal. Chief guest	NIT Warangal	All year students	400
4	24 <sup>th</sup> January	TRACADO	Gulam Quadar	JITS Narsampet	IE(I) Chapter Students	120
5	28 <sup>th</sup> & 29 <sup>th</sup> April 2018	Printed Circuit Board Design and Fabrication	Mr.Karthik AR solutions Hyderabad	Dept.of ECE JITS	IETE Student Chapter	120
6	22 <sup>nd</sup> Feb 2017	Abhignata-2017	Charan Lakkaraju	STUMAG Z, CEO	IEEE SB	287



**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 9.

**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	A70359	UnConventional Machining Processes	ME	1	30	87	87
2	A62405	Automobile Engineering	ME	1	30	87	87
3	AJ5446	Digital Design through HDL	ECE	1	30	175	175
4	AJ5417	IC Applications	ECE	1	30	175	175
5	AJ6423	Microprocessors and Microcontrollers	ECE	1	30	165	165
6	AJ6424	Digital Signal Processing	ECE	1	30	165	165
7	AJ6431	Embedded Systems	ECE	1	30	165	165
8	J5218	Power System-II	EEE	1	30	84	84
9	J5221	Power Electronics	EEE	1	30	84	84
10	J5225	Special Electrical machines	EEE	1	30	84	84
11	J6226	Static Drives	EEE	1	30	79	79
12	J6228	Computer Methods in Power Systems	EEE	1	30	79	79

13	J6230	Electrical Distribution Systems	EEE	1	30	79	79
14	J6231	Electrical Distribution and Costing	EEE	1	30	79	79
15	J6232	Power Quality	EEE	1	30	79	79
16	J5115	Design of Reinforced Concrete Structures	CE	1	30	109	109
17	J5116	Highway Engineering	CE	1	30	109	109
18	J5132	Building Material, Construction & Planning		1	30	109	109
19	J5133	Advanced Concrete Technology	CE	1	30	109	109
20	J5118	Computer Aided Civil Engineering Drawing	CE	1	30	109	109
21	J6121	Engineering Geology & Rock Mechanics	CE	1	30	108	108
22	J6122	Design of Steel Structures	CE	1	30	108	108
23	J6136	Traffic Engineering and Management	CE	1	30	108	108
24	J6119	Geotechnical Engineering	CE	1	30	108	108
25	J5518	Database Management Systems	CSE	1	30	161	161
26	J5519	Principles of Programming Languages	CSE	1	30	161	161
27	J5520	Web Programming	CSE	1	30	161	161

28	J5521	Artificial Intelligence	CSE	1	30	161	161
29	J6527	Compiler Design	CSE	1	30	163	163
30	J6529	Machine Learning	CSE	1	30	163	163
31	J6535	Software Engineering	CSE	1	30	163	163
32	J2011	English	BSH	1	30	295	295
33	JMC01	Environmental sciences	BSH	2	30	295	295
34	JMC02	Gender Sensitization	BSH	1	30	295	295
35	J2012	English Language & Communication Skills Lab	BSH	1	30	295	295

### 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.	05/03/2018	Research Center Imarat RCI- Hyderabad	III& IV Year ECE	83
2.	03/06.2017	TCS Hyderabad	IV CSE Students	40
3.	12/03/2017	IBM Global Hyderabad	IV CSE Students	55
4.	01/09/2016	ZTE Bangalore	IV CSE Students	60
5.	2017-18	Industrial training in MS Tech IT Solutions	IV Year Students	116

RESEARCH  
CENTER  
IMARAT



The Management, Faculty and Staff provide 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 Achievements

The achievements of the students for the Academic Year 2017-18 are shown in Table 11.

**Table 11**

S. No	Ht.No.	Name of the student	Date	Title of the Programme	Event	Organized by	Remarks
1	15C41A0594	B.Sai vardhan	2017 (8week Course)	NPTEL online certification	Java fundamentals	MHR D	Certified
2	15C41A0567	Md.Parveen	2017 (8week Course)	NPTEL online certification	Nptel online certification	MHR D	Participation Certificate

03	15C41A0553	K.Rishitha	11.08.2017 to 13.08.2017	Impact Warangal 2017	Soft skills	NIT Warangal	Participation Certificate
4	15C41A05A6	K.Ramya	11.08.2017 to 13.08.2017	Impact Warangal 2017	Soft skills	NIT Warangal	Participation Certificate
5	16C41A0507	Ch.kiran reddy	11.08.2017 to 13.08.2017	Impact Warangal 2017	Soft skills	NIT Warangal	Participation Certificate
6	16C41A0505	Balaji	11.08.2017 to 13.08.2017	Impact Warangal 2017	Soft skills	NIT Warangal	Participation Certificate
7	16C41A0503	S.Ranjith kumar	11.08.2017 to 13.08.2017	Impact Warangal 2017	Soft skills	NIT Warangal	Participation Certificate
8	15C41A0564	D.Naga jyothi	11.08.2017 to 13.08.2017	Impact Warangal 1 2017	Soft skills	NIT Warangal	Participation Certificate
9	16C41A0592	A.Geetha	11.08.2017 to 13.08.2017	Impact Warangal 2017	Soft skills	NIT Warangal	Participation Certificate
10	15C41A0567	MD.Praveen	11.08.2017	Impact Warangal	Soft skills	NIT Wara	Participat

			to 13.08. 2017	2017		ngal	ion Certificat e
11	16C41A05F6	B.Ravali	11.08. 2017 to 13.08. 2017	Impact Warangal 1 2017	Soft skills	NIT Wara ngal	Participat ion Certificat e



## 1.1.7

**Results**

The results of I/II/III Year B.Tech. / M.Tech. / M.B.A. I & II Semester for the academic year 2017-18 under autonomy are presented below in the

Table 12 – Table 25.

<b>Table : 12</b>					
<b>I B.Tech I Semester</b>					
<b>S.No.</b>	<b>Branch</b>	<b>Intake</b>	<b>No of Appeared</b>	<b>No of Passed</b>	<b>Percentage of Pass</b>
1	CIVIL	60	28	12	42.9
2	EEE	120	37	11	29.7
3	MECH.	120	27	13	48.1
4	ECE	120	95	36	37.9
5	CSE	120	108	49	45.4
Total		540	295	121	41.0
<b>Table : 13</b>					
<b>I B.Tech II Semester</b>					
<b>S.No.</b>	<b>Branch</b>	<b>Intake</b>	<b>No of Appeared</b>	<b>No of Passed</b>	<b>Percentage of Pass</b>
1	CIVIL	60	24	5	20.8
2	EEE	120	32	11	34.4
3	MECH.	120	25	8	32.0
4	ECE	120	89	36	40.4
5	CSE	120	94	45	47.9
Total		540	264	105	39.8
<b>Table : 1</b>					
<b>II B.Tech I Semester</b>					
<b>S.No.</b>	<b>Branch</b>	<b>Intake</b>	<b>No of Appeared</b>	<b>No of Passed</b>	<b>Percentage of Pass</b>
1	CIVIL	120	115	60	52.2
2	EEE	120	94	39	41.5
3	MECH.	180	91	43	47.3
4	ECE	240	169	67	39.6
5	CSE	180	157	79	50.3
Total		840	626	288	46.0
<b>Table : 15</b>					
<b>II B.Tech II Semester</b>					
<b>S.No.</b>	<b>Branch</b>	<b>Intake</b>	<b>No of Appeared</b>	<b>No of Passed</b>	<b>Percentage of Pass</b>
1	CIVIL	120	114	32	28.1
2	EEE	120	81	36	44.4
3	MECH.	180	76	30	39.5

4	ECE	240	162	67	41.4
5	CSE	180	155	71	45.8
Total		840	588	236	40.1

**Table : 16 III B.Tech I Semester**

S.No.	Branch	Intake	No of Appeared	No of Passed	Percentage of Pass
1	CIVIL	120	109	47	43.1
2	EEE	120	84	46	54.8
3	MECH.	180	114	38	33.3
4	ECE	240	175	85	48.6
5	CSE	180	161	90	55.9
Total		840	643	306	47.6

**Table : 17 III B.Tech II Semester**

S.No.	Branch	Intake	No of Appeared	No of Passed	Percentage of Pass
1	CIVIL	120	108	55	50.9
2	EEE	120	79	50	63.3
3	MECH.	180	94	42	44.7
4	ECE	240	165	93	56.4
5	CSE	180	163	81	49.7
Total		840	609	321	52.7

**Table :18 I M.Tech I Semester**

S.No.	Branch	Intake	No of Appeared	No of Passed	Percentage of Pass
1	EMBEDDED SYSTEMS	24	8	5	63
	CSE	24	9	6	67
Total		48	17	11	65

**Table 19 I M.Tech II Semester**

S.No.	Branch	Intake	No of Appeared	No of Passed	Percentage of Pass
3	EMBEDDED SYSTEMS	24	8	7	87.5
5	CSE	24	6	5	83.3
Total		48	14	12	85.7

**Table :20 II M.Tech I Semester**

S.No.	Branch	Intake	No of Appeared	No of Passed	Percentage of Pass
1	EMBEDDED SYSTEMS	24	12	12	100

**Table 21 II M.Tech II Semester**

S.No.	Branch	Intake	No of Appeared	No of Passed	Percentage of Pass
3	EMBEDDED SYSTEMS	24	7	7	100

Table :22 M.Tech(2016-18) STUDENTS PASS %							
S.No.	Specialization	Total Strength	Division			Total Completed	Total Pass %
			First Class With Distinction	First Classes	Second Class		
1	EMBEDDED SYSTEMS	12	11	0	0	11	91.7

Table 23 I M.B.A						
S. No.	Sem	Intake	No of Appeared	No of Passed	Percentage of Pass	
1	I	60	27	9	33.3	
2	II	60	24	12	50.0	

Table 24 II M.B.A						
S. No.	Sem	Intake	No of Appeared	No of Passed	Percentage of Pass	
1	I	60	28	13	46.4	
2	II	60	25	16	64.0	

Table 25 M.B.A (2016-18) STUDENTS PASS %							
S.No.	Total Strength	Division			Total Completed	Total Pass %	
		First Class With Distinction	First Classes	Second Class			
1	25	17	2	0	19	76	

## 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. 2017-18. The details are listed in Table 26 and Table 27, Task programmes are listed in Table 28.

**Table 26**

S.No	Date	Event
1	19.06.2017	Soft skills training program for IV B.Tech students
2	20.06.2017	Soft skills training program for IV B.Tech students
3	21.06.2017	Soft skills training program for IV B.Tech students
4	22.06.2017	Soft skills training program for IV B.Tech students
5	23.06.2017	Aptitude and Reasoning Program for IV B.Tech students
6	24.06.2017	Aptitude and Reasoning Program for IV B.Tech students
7	26.06.2017	Aptitude and Reasoning Program for IV B.Tech students
8	27.06.2017	Aptitude and Reasoning Program for IV B.Tech students
9	28.06.2017	Aptitude and Reasoning Program for IV B.Tech students
10	29.06.2017	Aptitude and Reasoning Program for IV B.Tech students
11	30.06.2017	Organizational and Interview skills for IV B.Tech students
12	01.07.2017	Organizational and Interview skills for IV B.Tech students

**Table 27**

S.No	Date/s	Name of the program	Resource Person/s	No.of Students attended
1	21 <sup>st</sup> & 23 <sup>rd</sup> September, 2017	Interview Preparation Skills	Ms.KavithaAbichandini&Mr.Benn e George	120
2	25 <sup>th</sup> November, 2017	Infosys INSPIRE Mentorship Program	Mr.Nivas	10
3	2 <sup>nd</sup> to 6 <sup>th</sup> January, 2018	Salesforce Essentials	Mr.BhaveshJha	60

		for Business Specialists		
4	26 <sup>th</sup> February, 2018	Oracle Academy Student Day	Oracle Personnel	60

**TASK(Telangana Academy for Skill and Knowledge)**

**Table 28**

<b>S.No</b>	<b>Name of the Event</b>	<b>Name of the student</b>	<b>Venue</b>	<b>Date</b>	<b>Award/ Participation</b>
1.	Java Fundamentals	D.Rachana	JITS	5 <sup>th</sup> August 2017	Java Certification
2.	Java Fundamentals	M.Nikita	JITS	5 <sup>th</sup> August 2017	Java Certification
3.	Java Fundamentals	M.Mamatha	JITS	5 <sup>th</sup> August 2017	Java Certification
4.	Java Fundamentals	P.Veditha Reddy	JITS	5 <sup>th</sup> August 2017	Java Certification
5.	Java Fundamentals	V.Dileep	JITS	5 <sup>th</sup> August 2017	Java Certification
6.	Java Fundamentals	G.Kavya Sree	JITS	5 <sup>th</sup> August 2017	Java Certification
7.	Java Fundamentals	A.Ashok	JITS	5 <sup>th</sup> August 2017	Java Certification
8.	Java Fundamentals	Ch.Radhika	JITS	5 <sup>th</sup> August 2017	Java Certification
9.	Java Fundamentals	M.Shoba Rani	JITS	5 <sup>th</sup> August 2017	Java Certification
10.	Java Fundamentals	R.Swathi	JITS	5 <sup>th</sup> August 2017	Java Certification
11.	Java Fundamentals	Ch.Srikanth	JITS	5 <sup>th</sup> August 2017	Java Certification

### 1.1.8.1 Details of students placed

The details of the students placed in the A.Y.2017-18 are shown in the Table 28 and Table 29.

**Table 29**

S. No.	Name of the Industry /MNC/Firm	No. of Students selected	Branch-wise selection of Students				
			ECE	CSE	EEE	ME	Civil
1.	HGS	56	15	18	08	08	07
2.	Aliens Group	21	05	04	03	04	05
3.	West Line Groups	15	03	06	01	01	04
4.	Tech Mahindra	06	-	06	-	-	-
5.	MACTECH	07	03	03	01	-	-
6.	MEDASSU E Solutions	06	02	03	01	-	-
7.	Gamyam Bio & Renewal Solutions Pvt.Ltd.	05	-	-	-	05	-
8.	Mercedez Benz	04	01	-	01	02	-
9.	Asahi India Glass Ltd.	03	-	-	-	03	-
10.	Dark Horse IT Consulting	03	01	02	-	-	-
11.	US Health Care International	08	02	03	01	01	01
12.	Mold-Tek Technologies Ltd	03	-	-	-	-	03
	Total	137	32	45	16	24	20

**Table 28**

No. of Students Passed out	Placements	Higher Education India/Abroad	Gain fully engaged	Organizations Placed
151	137	14	-	HGS Aliens Group West Line Groups Tech Mahindra MACTECH MEDASSU E Solutions Gamyam Bio & Renewal Solutions Pvt.Ltd. Mercedes Benz Asahi India Glass Ltd. Dark Horse IT Consulting

## 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

#### 1.2.1.2 Details of Scheme

##### **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

##### **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 **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 advised to apply for patents and process to publish and patent grants.
- ❖ Faculty members are encouraged to apply research projects to funding agencies like UGC, AICTE, DST, CSIT 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 are listed in Table 29.

**Table 29**

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"> <li>• Computer Systems(Dell i3 core 4GB RAM 500GB HDD)</li> <li>• HF OEM Handheld Reader(Wireless Zigbee)</li> <li>• High speed infinj Reader</li> <li>• Alien development Lab kit</li> <li>• Zigbee wireless base station</li> <li>• Desktop Reader</li> </ul>	Dr.Jayadev Gyani & B.Naresh
2.	Sensor Laboratory	AICTE	<ul style="list-style-type: none"> <li>• HP PRO 3005,AMD ATHLON II X2 250 PROCESSOR, 2GB RAM, 320GB HDD(60 NO.S)</li> <li>• 8051 MICROCONTROLLERS, BASE BOARDS, TRANSFORMERS, TRANSISTORS, 8051 TRAINER KITS, ADC 8004, MAX 232</li> <li>• SENSORS. GPS,</li> </ul>	Dr.Jayadev Gyani & R.Bharath

			GSM ,RF MODULES. UNIVERSAL PROGRAM DUMPING UNITS <ul style="list-style-type: none"> <li>• HF ISO 15693            DESKTOP RF            READER WITH            EXTERNAL            ANTENNA. READ            RANGE 20CM TO            30 CM WITH SDK</li> <li>• FINGER PRINT            READER</li> <li>• CONTACTLESS            SMART CARD            READER WITH            SDK</li> <li>• BIOMETRIC UNIT</li> </ul>	
3.	IBM Center of Excellence(IBM-CoE)	IBM	RSA Licensed software	G.Josemary
4.	Digital Signal Processing Laboratory using Network Simulator 2(NS2)	AICTE	Network Simulator 2(Perpetual License)	Dr.M.Sushanth Babu & Dr.Ghanshyam Singh

The details of research activities and available facilities are shown in Table 29

**Table 30**

<b>Name of the Department</b>	<b>CSE</b>	<b>ECE</b>	<b>EEE</b>	<b>ME</b>	<b>CE</b>	<b>BSH &amp; MBA</b>
<b>Name of the R&amp;D Facility</b>	<b>R&amp;D Cell CSE</b>	<b>R&amp;D Cell ECE</b>	<b>R&amp;D Cell EEE</b>	<b>R&amp;D Cell ME</b>	<b>R&amp;D Cell CE</b>	<b>R&amp;D Cell BSH</b>
<b>No. of Faculty engaged in Research</b>	08	08	04	04	02	02
<b>Names of the Research Areas</b>	Machine Learning Big Data Artificial Intelligence	VLSI signal Processing Antennas & wireless Communication	RES integration to Smart Grid Power	Manufacturing Processes, Composi	Supplementary Cementitious Green	Mathematics Physics Chemistry

	ce Data Mining Cloud Computi ng Adhoc Networks IoT Data Science Machine Learning Cognitive Science	ons Analog Signal Processing Image Processing Wireless Communicati ons Embedded Systems	Managem ent Control Systems Power Systems Protection Power System Stability Analysis Micro Grid & Smart Grid HVDC	te Materials 3D Printing Friction stir Welding Smart Engineer ing EDM	Material s Geopoly mer Concrete Surveyin g and Geometr ics Environ mental Enginee ring Hybrid Fiber Reinforc ed Concrete Advance d Concrete Technol ogy Structur al Enginee ring Light weight concrete Material s Highway Enginee ring	
<b>No. of Papers published in National / Internatio nal Journals by Faculty</b>	6	9	7	19	-	3
<b>No. of Papers</b>	-	1	4	-	-	-

<b>published in National / International Conferences by Faculty</b>						
<b>No. of Research Grants received from UGC / AICTE /DST/ CSIR etc.</b>	-	-	-	1	-	-
<b>Amount of Research Grants received from UGC / AICTE /DST/ CSIR etc.</b>	5,42,000	13,54,000	-	-	-	14,04,000
<b>Seed Money Received from Institution for Research for Faculty</b>	75000	75000	75000	75000	75000	75000
<b>Seed Money Received from Institution for Research / Innovation</b>	50000	50000	50000	50000	50000	50000

<b>projects for B.Tech / M.Tech / M.B.A. projects</b>						
<b>Details of Software Available for Research</b>		<ul style="list-style-type: none"> <li>• MATLAB Tool</li> <li>• Tanner Tool 14.1</li> <li>• Xilinx 10.1</li> <li>• Keil Microvision</li> <li>• P-Spice</li> <li>• Active HDL</li> </ul>	MATLAB CAD Tools Power System Software Xilinx	Autocad ANSYS LICENCED AUTO CAD Catia Solid Works PRO-E	AutoCAD	Microsoft office Suite
<b>Details of Hardware Available for Research</b>		<ul style="list-style-type: none"> <li>• Trainer kits for Communication</li> <li>• FPGA Boards for VLSI</li> <li>• CPLD Board for VLSI</li> <li>• ARM 7 and ARM 9 Board for Embedded Systems</li> </ul>	<ul style="list-style-type: none"> <li>• DC/AC motors</li> <li>• Generators</li> <li>• Machines</li> <li>• Trainer Kits</li> </ul>	<ol style="list-style-type: none"> <li>1. CNC Milling</li> <li>2. CNC Turning</li> <li>3. Surface Grinding Machine</li> <li>4. Optical Microscopes</li> <li>5. Radial Drilling Machine</li> <li>6. Tig And Mig Welding Machine</li> </ol>	<ol style="list-style-type: none"> <li>1. Total Stations</li> <li>2. Compression Testing Machine 200Kn</li> <li>3. BOD Incubator</li> <li>4. COD Digestion Apparatus</li> <li>5. Hydraulic Jump</li> <li>6. Consolidation Test Setup</li> <li>7. Vee Bee Apparatus</li> <li>8. Flexural</li> </ol>	Microsoft office Suite

					Testing Machin 9.Tensio n Testing Machine 200kN 10.Spect rophoto meter 11. Francis and Kaplan Turbine 12.Alum Jar Test Apparat us	
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Research Publications of Faculty members for the Academic Year 2017-18 are shown in Table 30.

**Table 31**

S. No	Title of the Paper	Names of the author(s)	Department	Name of the Journal	Year of Publication	ISSN Number
01	High-Performance Distributed Storage Service Based on De-duplication And File Compression	Dr. T.Srikanth	CSE	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
02	An Efficient Dynamic Job Ordering and Slot Configuration for Minimizing the Makespan Of Map Reduce Jobs,	Dr. T.Srikanth	CSE	International Journal of Research	2018	2348-6848
03	An Improved Bi-Gram Based Approach for user Profile Similarity Measure and Fake User Detection in Online Social Networks	Mr. P.Srinivas Rao	CSE	Journal of fundamental and applied sciences	2018	1112-9867
04	A Study on Detection of Distributed Denial of Services Attacks Using Machine Learning Techniques	Mr. B.Nares h	CSE	International Journal of Research	2018	2348-795X



05	A Study on Detection of Distributed Denial of Services Attacks Using Machine Learning Techniques	Mr.K.Srinivas	CSE	International Journal of Research	2018	2348-795X
06	A semantic Life Style Friend Finder Recommendation Services	Mr. P.Srinivas Rao	CSE	JETIR	2017	2349-5162
07	Secure Ranked Multi-Keyword Search in Encrypted Cloud Data	Mr. P.Srinivas Rao	CSE	International Journal of Research	2017	2348-6848
08	A Comprehensive Model for Detecting Fake Profile in Online Social Networks	Mr. P.Srinivas Rao	CSE	International Journal of Advanced Research in Science and Engineering	2017	2319-8346
09	A searching technique for multi data owners in cloud computing using multi keyword search	Dr. S Kirubakaran	CSE	International Journal of Current Trends in Engineering & Research	2017	2249-7315
10	Study of QoS framework for web service	Dr. T.Srikanth	CSE	International Journal of Innovative Research in Technology	2017	2349-6002
11	Malicious Detection of Packet Dropping in Wireless	Mr. P.Srinivas Rao	CSE	International Journal of Research	2017	2348-6848

	AdHoc Network					
12	Survey on Best Keyword Cover Search.	Mrs.G.Jose Mary	CSE	Journal of Advanced Research in Dynamical and Control Systems	2017	1943-023X
13	Malicious Detection of Packet Dropping in Wireless AdHoc Network	Mr.K.Srinivas	CSE	International Journal of Research	2017	2348-6848
14	Efficient Network Intrusion Detection System Using Boyer Moore Algorithm.	Mr.K.Srinivas	CSE	International Journal of Research,	2017	2348-795X
15	A New Approach of Multi Authority Data Access Control for Secure Cloud Storage.	Mr.K.Srinivas	CSE	International Journal of Research,	2017	2348-795X
16	Opinion and Sentiment Variations Analyzed on Twitter and Facebook.	Mrs.S.Gouthami	CSE	JETIR	2017	2349-5162
17	Detecting Packet Drop and Forgery Attacks in Wireless Sensor Networks.	Mr. M.Narender	CSE	International Journal of Research,	2017	2348-795X
18	A semantic Life Style Friend Finder Recommendation Services	Mr. M.Narender	CSE	JETIR	2017	2349-5162
19	Firefly Optimization Based Multilevel Segmentation of Tongue Images	Mr.S.Rakot hkandan	CSE	Advances in Natural And Applied Sciences	2017	1995-0772

20	Computer –Aided Diagnosis and Classification of Brain Tumor Identification Using PNN And SVM	Mr.S.Rakot hkandan	CSE	International Journal of Pharmacy & Technology	2017	0975-766X
21	Design And Analysis Of Axial Flow Compressor Blade Using Different Aspect Ratio's With Different Materials.	K..SravanM athur	ME-	IFERP	FEB 2018	2456-1290
22	Comprehensive Review On Performance, Combustion And Emission Characteristics Of Compression Ignition Engine Fuelled With Producer Gas In Dual Fuel Mode.	SantoshGho rpade	ME	IJEMR	2017	2394-6962
23	Comprehensive Review On Emission Characteristics Of Homogeneous Charge Compression Ignition Engines(HCCI) Engine Operated With Renewable Fuels.	SantoshGho rpade	ME	IJMER	2017	2394-6962
24	“Experimental Design And Optimization Of Ball Burnishing Process For Aluminium Alloy 5083”.	M.Jawahar B.Shiva Kumar P.Vamshi Krishna	ME	IRJAT,	September, 2018	2581-5865

25	Fabrication And Experimental Analysis Of Epoxy-Glass Fibre Composite Leaf Spring.	B.Hemasunder M.Radhika Dr.V.Vikram Reddy	ME	SAE TECHNICAL PAPER	2017	0148-7191
26	Analysis Of A Condenser In A Thermal Power Plant For Possible Augmentation In Its Heat Transfer Performance.	P.Vamshikrishna S.Rama B.Hemasunder Ch.Jeevan Reddy G.Venkanna	ME	IJRASET IJRASET	JULY,2017	2321-9653
27	Experimental Investigation On EDM Of Titanium Alloy Using Taguchi Method.	B.Shiva Kumar		IJSRD	July-2017	2321-0613
28	Optimization Of Multiple Performance Characteristics In Electrical Discharge Machining Of Titanium Alloy Using Grey Relational Analysis.	B.Shiva Kumar	ME	IJRDT	July-2017	2349-3585.
29	Web Based Monitoring and Control system for industrial appliances	D.Anuradha A.Govind	ECE	IJIRT	Jul 2017	ISSN : 2349-6002
30	Area Efficient and Implementation of FMO/Manchester Encoding Using Sols Technique for DSRC Application	Ch.Ramya Sri Md Hameed Pasha	ECE	International Journal of Research	2017	P-ISSN : 2348-6848 e-ISSN- 2348-795X

31	Effect of Alkaline to Fly ash ratio on Fly ash based Geopolymer Concrete. Int J for civil engineering. Special issue ,April - 2017	Gulam Samdani, Gulam Quadar,	CIVIL	UGC	2017-2018	ISSN: 2348 - 8352
32	Effect of Alkaline to Fly ash ratio on Fly ash based Geopolymer Concrete. Int J for civil engineering. Special issue ,April - 2017	Gulam Samdani, Gulam Quadar,	CIVIL	UGC	2017-2018	ISSN: 2348 - 8352
33	A Study of Geopolymer Concrete as Sustainable Cement less Concrete. Global Journal of Engineering Science and Researches".	Gulam Samdani, Gulam Quadar,	CIVIL	UGC	2017-2018	ISSN: 2348 - 8034
34	A Study of Geopolymer Concrete as Sustainable Cement less Concrete .Global Journal of Engineering Science and Researches".	Gulam Samdani, Gulam Quadar,	CIVIL	UGC	2017-2018	ISSN: 2348 - 8034
35	Industrial Waste Materials Silica Fume and Hypo Sludge are used in high performance of M60 Grade of	K.Sai Krishna ,Gulam Samdani, Gulam Quadar,	CIVIL	UGC	2017-2018	ISSN :2348 - 8034

	Concrete, International Journal of Engineering Development and Research. Volume5,Issue3, September- 2017 <b>(I.F-5.67)</b>					
36	Industrial Waste Materials Silica Fume and Hypo Sludge are used in high performance of M60 Grade of Concrete, International Journal of Engineering Development and Research. Volume5,Issue3, September-2017	K.Sai Krishna ,Gulam Samdani, Gulam Quadar,	CIVIL	UGC	2017- 2018	ISSN :2348 - 8034
37	Effect of Nano Silica inclusion on Strength and Durability Properties of Self Compacting Concrete	Gulam Samdani	CIVIL	UGC	2017- 2018	ISSN: 2321 - 9939
38	Effect of Nano Silica inclusion on Strength and Durability Properties of Self Compacting Concrete	Syed Samiullah,	CIVIL	UGC	2017- 2018	ISSN: 2321 - 9939
39	Investigation work carried out at Nidubrolu water treatment Plant. IRJET ,Volume 04, issue 09/sep- 2017	B.Satish,	CIVIL	UGC	2017- 2018	e-ISSN : 2395-0056 p- ISSN:2395- 0072
40	An Experimental	M.Karthik,	CIVIL	UGC	2017-	ISSN :

	Investigation on effect of high temperatures on steel, Int J of computer sciences and engineering. Volume -5, Issue -9, September-2017				2018	2347- 2693
41	Effect of Silica fume on Steel Slag Concrete. Int J of computer sciences and engineering. Volume -5, Issue -9, September-2017	M.Karthik,	CIVIL	UGC	2017-2018	ISSN: 2394-3386
42	,Analysis of Undamped Irregular RCC Building using SAP 2000, IRJET , Volume 05, Issue 02/Feb-2018	B.Satish	CIVIL	UGC	2017-2018	e-ISSN : 2395-0056 p-ISSN:2395-0072
43	Modeling and simulation of DFIG Based DVR Controlled Wind Energy Integrated System	D.Rajani kumar &B.Nagaraju	EEE	UGC	2018	Volume 4 Issue3 ISSN No:2348-6848
44	An Active Power filter implemented with a four leg voltage source inverter using a predictive control scheme for RES.	G.Anil & M.Satyanarayana,	EEE	International Conference on Latest Research in Engineering Science, held at Chitanyai	2017	pp 156-16

				nstitute of technology and Science, Warangal Telangana , August 12 th and 13 th,2017		
45	Designing and Simulation Analysis of Single Phase to Three Phase Power Conversation System with Parallel Rectifier & Series Inverter”	NAnil&M Ramesh,	EEE	Internatio nal Conferenc e on Latest Research in Engineeri ng Science Venue Organized by Chaitanya Institute of Technolog y and Science. Hanamko nda., Aug 12-13, 2017	2017	VOLUME-43-Aug-17
46	"Microwave-assisted Synthesis of Hybrid Heterocyclics as Biological Potent Molecules"	Dr.M.Sunit ha	BSH	UGC	2017	DOI 10.1002/jh et.3187
47	"Synthesis and In Vitro Study of Hybrid Heterocyclic's as	Dr.M.Sunit ha	BSH	UGC	2017	DOI 10.1002/jh et.2943



	Potential Nematicidal Agents"					
48	"Synthesis, Nematicidal and Antifungal Properties of Hybrid Heterocyclics"	Dr.M.Sunit ha	BSH	UGC	2017	1030-1041

2

## ADMINISTRATIVE ACTIVITIES INCLUDING MEETINGS OF STATUTORY BODIES

2.1

### ADMINISTRATIVE ACTIVITIES INCLUDING MEETINGS OF STATUTORY BODIES

Table 32

S.No	Name of Board of Studies	Date of Meeting	Remarks
1.	Joint Board of Studies	22.06.2018	Refer Annexure-I

3

## EXTENSION ACTIVITIES UNDERTAKEN

- 3.1 Professional Societies
- 3.2 Entrepreneur Development Cell(EDC)
- 3.3 Institute Innovation Cell(IIC)
- 3.4 NSS Activities
- 3.5 Sports
- 3.6 Cultural

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 2<sup>nd</sup> 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.

Table 33

<b>S.No</b>	<b>Name of the eVent</b>	<b>Dates</b>	<b>Chief guest</b>	<b>No.of Participants</b>
1	ABHIGNATA-2017	22 <sup>nd</sup> February 2017	Charan Lakkaraju	287



## **2. 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.**



## TECHNOJITS -2017

**Table 34**

S.NO	Name of the Event	Chief guest	Number Participants
1	<b>Technojits-2017</b> Paper Presentations Poster Presentations Project Presentations Cultural Events	Prof.V.Somayajulu Professor of CSE NIT Waraganl	480



Felicitating the guest Dr.Somayajulu Professor of CSE, NIT Warangal during the Inaugural function by all the dignitaries Dr.T.V.Ramana, Sri.T.V.R.N.Reddy, Dr.M.Lokandha Rao, Prof.P.Rangaiah, Dr.I.Srinivasa Rao, Mr.K.SrinivasCoordinator from left to right.

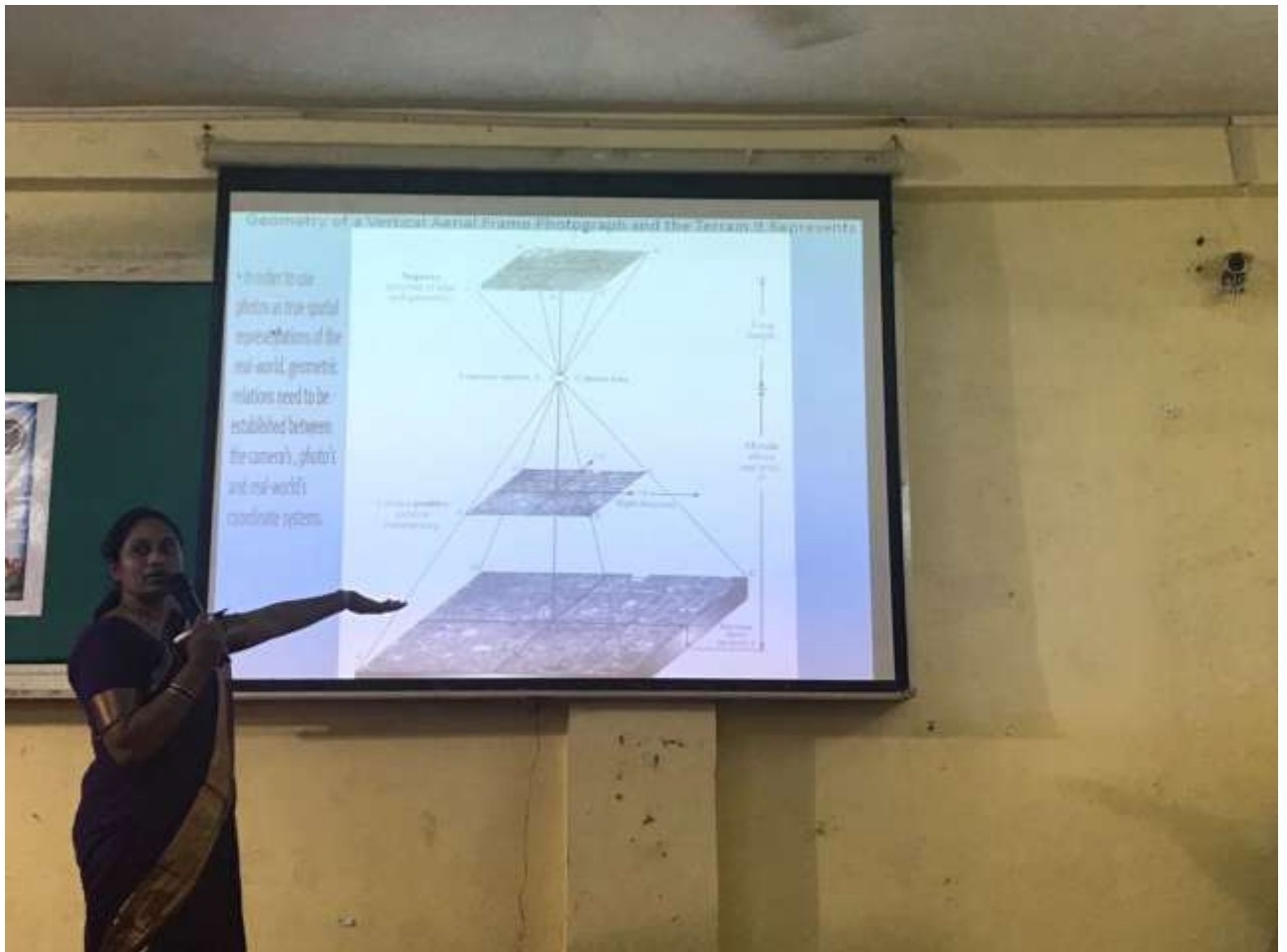
### **3.Institute of Engineers(India)-IE(I):**

#### **1. GUEST LECTURES: *On Remote Sensing & GIS***

- ✓ **Date:** 16<sup>th</sup> September 2018
- ✓ **Venue:** Main Seminar Hall
- ✓ **No.of Participants:** 140 members of IE(I)
- ✓ **Event Coordinator:** Gulam Quadar (Adviser)

On the Emerging Topics in the field of Surveying and Electronic Communication with multi disciplinary concept of Aerial photogrametry on 16<sup>th</sup> September 2016 we

had a guest lecture on **Remote Sensing & GIS** by Ms.Sree Lakshmi Pavani, Assistant Professor KITSW had delivered a lecture on RS&GIS and its Concept and application related to the Civil Engineering.



*Guest Speaker Ms.Sree Lakshmi Pavani delivering a lecture on Remote Sensing and GIS*



*Guest Speaker Ms.Sree Lakshmi Pavani*

## **Society of Automobile Engineering(SAE)**

**Type:** Project Expo.

**Date:** 23-02-2017

**Total No. of Student:** 45

**Faculty Coordinator:** Mr.B.Hemasunder, SAEINDIA Faculty adviser

**Experiments no. :**08

**About the event:** The department of mechanical Engineering of SAE Jayamukhi collegiate club students are exhibited their mini projects and main projects on a single platform in “Abhignatha” national level technical fest organized by IEEE Jayamukhi Student branch on 23<sup>rd</sup> Feb., 2017. This Project Expo gives the future scope of the projects and encouraging to their junior students to do innovative projects in the field of mechanical engineering.

### **List of Projects:**

1. Solar car
2. Solar harvester
3. Air compressed vehicle
4. Wind-solar electric power
5. Power generation by speed breaker
6. Vacuum cleaner
7. Automatic side stand
8. Composite leaf spring

### **Photo gallery:**

#### **Project 1 : Soalr mobile harvester:**





**Project 2 : Soalr car:**



**Project 3 : Vaccum cleaner**



**Project 4 : Air compressed vehicle**



**Project 5 : Wind-Solar Electric Power:**



**Project 6 : Automatic 2 wheelr stand**



**Project 7 : Magnetic breaking system**



### **3.2 Entrepreneur Development Cell(EDC):**

#### **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.



**Table 35**

<b>S.No</b>	<b>Name of the program</b>	<b>Dates</b>	<b>Organized by</b>
1.	Business Idea and Business Plan	10 <sup>th</sup> August 2017	EDC Cell
2.	Stages and Procedure for establishment of New Venture	5/12/2017	EDC Cell
3.	Sources of Funds and Financial Management of New Venture	14-02-2018	EDC Cell

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):

**3.4****NSS Activities**

The NSS Unit of JITS organizes various service oriented activities to inculcate the service as a habit to budding professionals. Various programmes organized in the A.Y. 2017-18 are shown in the Table 31

**Table 36**

S.No.	Date	Activity	Venue	No.of
				Participants
1	21-06-17	Organized International Yoga Day in the College	JITS Narsampet	300
2	20-07-17	Organized Haritha Haram Programme in the College by planting 250 samplings	JITS Narsampet	100
3	05-08-17	Organized a seminar and rally on Anti Drug Awareness by inviting Narsampet Excise CI, Smt. Shashikala, Saritha SI, and Sri Shankar SI	JITS Narsampet	250
4	10-08-17	Organized swachh Bharat Programme in college campus	JITS Narsampet	200







The students of JITS brought laurels to the institution in Sports and Games. The details are shown in Table 32.

**Table 37.**

Sl . No	H.T.No.	Name of the student	Date (s)	Title of the Programme	Event	Organized By	Remarks
1	15C45A0407	M.Shiva Kumar	16 <sup>th</sup> Dec, 2017	State level Cricket Tournament (All Engg colleges in Telangana)	Cric ket	Eena du Trop hy , Arts & Scien ce colleg e, Hana mkon da	Partici pation
	16C45A0215	MD.Toufeeq					
	14C45A0246	B.Arun Naik					
	14C45A0116	Bandari Suresh					
	15C45A0167	Puppala Ashok					
	15C45A0112	Atakala Ajith					
	14C41A0337	Kasturi Aravind					
	15C41A0365	K.Deekshith					
	15C41A0181	Ateq Mohammad					
	15C41A0192	Martha Revanth					
	16C45A0111	Md Sammeruddin					
	16C45A0327	Katagiri Shiva					
	15C41A04F9	B. Akhil Kumar					
	15C41A0364	Gadadas Nagaraju					
15C41A0167	Gadaboina Ranjith						
2	13C41A0455	P.Kasheem	3 <sup>rd</sup> Jan,201 8	State level Cricket Tournament (All Engg colleges in Telangana)	Cric ket	S.R Engg Colle ge	Partici pation
	14C45A0220	A. Kushal					
	13C41A0117	L.Anil					
	14C41A0302	K.Ravi Teja					
	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					
3	15C45A0407	M. Shiva Kumar	8 <sup>th</sup> Jan, 2018	State level Cricket Tournament (All Engg colleges in Telangana)	Cri cke t	A.B.V .P. Kaka tiya Unive rsity	2 <sup>nd</sup> Prize
	16C45A0215	Md. TaufeeqPasha					
	14C41A0116	B.Suresh					
	14C41A0167	P.Ashok					
	15C45A0112	A.Ajith					
	14C41A0337	K.Aravind					
	15C41A0365	K.Deekshith					
	15C41A0181	Ateeq					
	15C41A0192	M.Revanth					
	16C45A0111	Md.Sameerudheen					
	15C41A0327	K.Shiva Prasad					
	15C41A0364	G.Nagaraju					
	15C41A0167	G.Ranjith					
	16C41A0325	A.Punnam Raj					
	14C41A0193	Nagendar					
	17C45A0310	S.Nivas					
	16C41A0140	T.Shimhardri					
	16C41A0110	P.Shailendra					
	17C41A05B2	B.Manohar					
4	16C41A0254	Srikanth	6 <sup>th</sup> Mar, 2018	State level Kabaddi Tournament (All Engg colleges in Telangana)	Ka ba ddi	K.D. C, Hana mkon da	2 <sup>nd</sup> Prize
	17C45A0301	B.Suman					
	17C41A0328	Suresh					
	17C41A0226	Ch.Sandeep					
	17C45A0310	S.Nivas					
	17C45A0306	E.Pranesh					
	17C45A0330	A.Pavan Kumar					
	17C41A0205	Vijay					

5	15C45A0407	M. Shiva Kumar	14 <sup>th</sup> Mar, 2018	Zonal level Cricket Tournament (Zone-B JNTU Inter college Tournament)	Cric ket	JNTU Mant hini	Partici pation
	16C45A0215	MD Toufeeq Pasha					
	14C41A0246	B. Arun Naik					
	14C41A0116	Bandari Suresh					
	14C41A0167	Puppala Ashok					
	15C45A0112	Atakala Ajith					
	14C41A0337	Kasturi Aravind					
	15C41A0365	K.Deekshith					
	15C41A0181	Atiq Mohammad					
	15C41A0192	Marta Revanth					
	17C41A0	Sainath					
6	16C45A0413	P.Sri Sai Teja	24 <sup>th</sup> Mar, 2018	Zonal level Volley Ball Tournament (Zone- B JNTU Inter college Tournament)	Vol ley Bal l	JNTU Kond agatt u	2 <sup>nd</sup> Prize
	15C4A10119	P.Bharath					
	16C41A0140	T.Simhadri					
	17C41A0205	B.Vijay					
	18C41A0302	S.Pavan Kumar					
	18C45A0211	K.Nagaraju					
	16C41A04E1	M.Anish Varma					
	18C45A0303	G.Shiva Kumar					
	16C41A0326	R.Sarvesh					
	18C45A0250	G.Rajinikanth					
	16C41A0324	G.Rakesh					
16C41A0435	CH.Ajay Rao						
7	16C45A0413	P.Sri Sai Teja	27 <sup>th</sup> , 28 <sup>th</sup> Mar 2018	Zonal level Volley Ball Tournament (JNTU Central Zone Inter college Tournament)	Vol ley Bal l	CMR Colle ge, Hyd.	Partici pation
	15C4A10119	P.Bharath					
	16C41A0140	T.Simhadri					
	17C41A0205	B.Vijay					
	18C41A0302	S.Pavan Kumar					
	18C45A0211	K.Nagaraju					
	16C41A04E1	M.Anish Varma					
	18C45A0303	G.Shiva Kumar					
	16C41A0326	R.Sarvesh					
	18C45A0250	G.Rajinikanth					
	16C41A0324	G.Rakesh					

	16C41A0435	CH.Ajay Rao					
8	16C45A0413	P.Sri Sai Teja	29 <sup>th</sup> Mar, 2018	State level Volley Ball Tournament (All Engg colleges in Telangana)	Volley Ball	NIT , Warangal	Participation
	15C4A10119	P.Bharath					
	16C41A0140	T.Simhadri					
	17C41A0205	B.Vijay					
	18C41A0302	S.Pavan Kumar					
	18C45A0211	K.Nagaraju					
	16C41A04E1	M.Anish Varma					
	18C45A0303	G.Shiva Kumar					
	16C41A0326	R.Sarvesh					
	18C45A0250	G.Rajinikanth					
	16C41A0324	G.Rakesh					
	16C41A0435	CH.Ajay Rao					



Mr.Rakesh Received Merit certificate in State Level Judo Champion ship held at Ahmedabad

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.

### **JAYATARANG 2018**



## Annual Day-2018

Annual day celebrated on 12<sup>th</sup> April 2018, the chief guest of this function is Dr.N.Srinivasa Rao, Secretary TSCHE, guest of honor Prof.K.Kishan Rao, advisor of JITS, Principals of Jayamukhi Institute of Technological Sciences Dr.M.Lokanadha Rao, Jayamukhi College of Pharmacy Dr.Vasudeva Murthy, President of the function Prof.P.Rangaiah, Secretary and Correspondent Dr.Ch.Devender Reddy and Joint Secretary Sri.T.V.R.N.Reddy.



Playback singer Ramya Behra on stage live performance



Playback singers : Mr.Saketh and Ms.Ramya Behra in Annual day 2018 at JITS



Principal, Director and Joint secretary with all student volunteer of Cultural programs.



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# **ANNEXURE-I**

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**JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES**  
(UGC-AUTONOMOUS)  
NARSAMPET, WARANGAL-506 332, TELANGANA STATE

**MEMBERS OF JOINT BOARD OF STUDIES**

Members present in Joint Board of studies meeting held on 22-06-2018 at 10:00A.M

S.No	Name of the Faculty	Designation	Signature
1.	Dr.M.Lokanadha Rao Principal, JITS	Chairman	M.L.
2.	Prof.K.Kishan Rao Retired Principal, NITW	Member	K.K.
3.	Dr.G.Sathiah Professor & Head, Dept of BSH	Member	G.S.
4.	Dr. V.Kamakshshi Prasad Prof of CSE, JNTUH Nominee	Member	V.K.
5.	Dr.Dhiraj Sunchra Prof of ECE, JNTUH Nominee	Member	Dhiraj Sunchra
6.	Dr. G.Narasaiah Sreenivas Prof of EEE, JNTUH Nominee	Member	G.N.
7.	Dr.Bhramara Prof of ME, JNTUH Nominee	Member	Bh.
8.	Dr.M.Vishwanatham Prof of CE, JNTUH Nominee	Member	M.V.
9.	Dr. M.N Rajashekar Prof of Mathematics, JNTUH Nominee	Member	M.N.
10.	Dr.T.Srekanth Assoc.Prof of Physics, JNTUH Nominee	Member	T.S.
11.	Dr. A.Jaya Shree Prof of Chemistry, JNTUH Nominee	Member	A.J.
12.	Dr.V.Parvathi Prof of English, JNTUH Nominee	Member	V.P.
13.	Prof. K.Ramesh Dept of CSE, NITW	Member	K.R.
14.	Prof.T.Kishore Kumar Prof, Dept of ECE, NITW	Member	T.K.
15.	Prof.M. Sydulu Prof of EEE, NITW	Member	M.S. 22/6/18
16.	Dr.A.Viresh Babu Dept.of ME, NITW	Member	A.V.
17.	Prof G.Rajesh Kumar Dept of CE, NITW	Member	G.R.
18.	Dr.Bharavi Sharma Dept of Mathematics, KU, Warangal	Member	B.S.
19.	Dr.M.Sunitha Professor, Dept of Chemistry, JITS	Member	M.S.



**JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES**  
**(UGC-AUTONOMOUS)**  
NARSAMPET, WARANGAL-506 332, TELANGANA STATE

**Minutes of the Joint Board of Studies (JBS) held on 22/06/2018 at  
11:00 am in College Campus**

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**Resolutions:**

1. Resolved to approve the amended Academic Rules and Regulations designated as R-18 of B.Tech Programme as per Choice Based Credit System(CBCS) and in accordance with the AICTE Model Curriculum for the following courses applicable for the batches admitted from the academic year 2018-19 until further orders.
  - (i) B.Tech ( Electronics & Communication Engineering )
  - (ii) B.Tech ( Computer Science & Engineering)
  - (iii) B.Tech ( Electrical & Electronics Engineering)
  - (iv) B.Tech (Mechanical Engineering)
  - (v) B.Tech (Civil Engineering)
2. Resolved to approve the course structure (CBCS) related to common courses of all branches in B.Tech Programme. The course structure for all branches of engineering is done for 160 credits.
3. Resolved to forward the decisions taken in JBS for further approval of the College Academic Council (CAC).
4. The chairman thanked the members for their suggestions of the proceedings.

*[Handwritten signatures in blue and green ink]*

*[Handwritten signature in green ink]*  
Chairman