



Review (2015-16) & Planning (2016-17)

Y. Anuradha

I/C HOD, Dept. of ME

PART A

REGULAR ACTIVITIES DURING ACADEMIC YEAR 2015-16

Statistical data of various activities

► Student strength (UG)

Year (2014-2015)	No. of Students in 'A' section	No. of Students in 'B' section	Total Strength
II	49	48	97
III	65	65	130
IV	62	66	128

PG(CAD/CAM)

Year	Total Strength
(2014-2015)	5

No. of teaching staff

Year (2014-15)	26
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Student strength(UG)

Year (2015-2016)	No. of Students in 'A' section	No. of Students in 'B' section	Total Strength
II	57	50	107
III	49	48	97
IV	65	65	130

PG(CAD/CAM)

Year	Total Strength
2015-2016	10

No. of teaching staff

Year (2015-16)	28
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Result analysis 2014-15 II sem

II year

Name of the subject	Pass percentage in section 'A' & section 'B'
Mathematics-II	71%
Production Technology	84%
Fluid Mechanics and Hydraulic Machines	84%
Machine Drawing	81%
Kinamatics of Machinery	74%
Thermal Engineering -I	82%
Production Technology Lab	100%
Fluid Mechanics Lab	100%

Result analysis 2014-15 II sem

III year

Name of the subject	Pass percentage in section 'A' & section 'B'
Heat Transfer	83%
Finite Element Methods	85%
Refrigeration and Air conditioning	87%
Design of Machine Members-II	78%
Industrial Management	87%
Automobile Engineering	88%
Heat Transfer Lab	100%
AECS Lab	100%

Result analysis 2014-15 II sem

IV year

Name of the subject	Pass percentage in section 'A' & section 'B'
Production Planning and Control	89%
Plant Layout and Material Management	67%
Renewable Energy Sources	78%

Result analysis 2015-16 I sem

II year

Name of the subject	Pass percentage in section 'A'	Pass percentage in section 'B'	Total pass percentage %
Environmental Studies	89.29	75.51	82.4%
Probability and Statistics	80.36	79.59	79.97%
Electrical and Electronics Engineering	91.07	87.76	89.4%
Mechanics Of Solids	55.36	69.39	62.37%
Thermodynamics	83.93	77.57	80.75%
Metallurgy and Material Science	83.93	93.88	88.9%
Electrical and Electronics Engineering Lab	92.86	100	96.43%
Metallurgy & Mechanics Of Solids Lab	100	100	100%

III year

Name of the subject	Pass percentage in section 'A'	Pass percentage in section 'B'	Total pass percentage
Managerial Economics And Financial Analysis	79.17	80	79.58%
Engineering Metrology	89.8	84.78	87.29%
Dynamics Of Machinery	68.75	61.36	65.05%
Machine Tools	97.96	88.89	93.42%
Design Of Machine Members – I	87.76	73.91	80.83%
Thermal engineering - II	71.43	65.22	68.32%
Machine Tools & metrology Lab	100	100	100%
Thermal engineering Lab	97.92	100	98.96%

IV year

Name of the subject	Pass percentage in section 'A'	Pass percentage in section 'B'	Total pass percentage
Operation Research	98	94	96%
Power Plant Engineering	88	82	85%
CAD/CAM	88	84	86%
Instrumentation and Control System	87	85	86%
Mechanics of Composite materials	69	65	67%
Unconventional Machining Process	89	87	88%
CAD/CAM Lab	100	98	99%
Production Drawing And Practice & Instrumentation Lab	100	100	100%



M Tech I sem 2014-15

Name of the subject	Pass percentage in section 'A'
Advanced CAD	100%
Advanced Finite Element Analysis	40%
Advanced Mechanics of Solids	80%
Design for Manufacturing & Assembly	100%
Precision Engineering	100%
Total Quality Management	100%
CAD Lab	100%
Seminar	100%

Status of syllabus completion 2015-16 II sem Faculty and subject wise

Sl no.	Year & sem	Subject	Faculty Name	No. Of hours Planned	No. of Hours Taken	Total Units	Units Completed
1	II – II (A)	M-II	Y. Sri Ram	55	59	5	5
	II – II (B)	M-II	Y. Sri Ram	55	58	5	5
2	II – II (A)	FMHM	M. Rajashekar	65	67	5	5
	II – II (B)	FMHM	B. Devender	60	59	5	4.8
3	II – II (A)	TE - I	P.Mahesh	56	56	5	5
	II – II (B)	TE-I	M. Rajashekar	65	61	5	4.5
4	II – II (A)	KOM	Reeti Mukherjee	50	43	5	4.5
	II – II (B)	KOM	Y. Anuradha	55	39	5	4
5	II – II (A)	MD	K. Mahesh	-	60	5	4.5
	II – II (B)	MD	N. Priyanka	-	58	5	5
6	II – II (A)	PT	M. Sujan Kumar	53	54	5	5
	II – II (B)	PT	U. Usharani	53	46	5	4.5

7	II – II (A)	PT Lab	K. Mahesh/ M. sujan	45	32	14	13
	II – II (B)	PT Lab	Y. Anuradha /Sharath J	45	30	14	12
8	II – II (A)	FMHM Lab	M. Rajashekar/ K.susheela	45	42	12	10
	II – II (B)	FMHM Lab	B.Devender/ K. Mahesh	48	42	12	10
9	II – II (A)	GS	Ruth Lingviston	42	32	5	5
	II – II (B)		Ravi Kumar	42	32	5	5

Sl no.	Year & sem	Subject	Faculty Name	No. Of hours Planned	No. of Hours Taken	Total Units	Units Completed
1	III-II (A)	AE	M.Nitin Kumar	65	63	5	4.5
	III-II (B)	AE	M.Nitin Kumar	65	60	5	4.5
2	III-II (A)	DMM-II	Pul Singh	52	53	5	4.5
	III-II (B)	DMM-II	A. Sharat	52	53	5	4.5
3	III-II (A)	HT	G. Amarender Rao	48	42	5	4.5
	III-II (B)	HT	K. Ramu	52	50	5	5
4	III-II (A)	RAC	Kishore Kumar	47	42	5	5
	III-II (B)	RAC	G. Ushodaya	47	46	5	5
5	III-II (A)	DM	Vijaya Laxmi. N	64	54	5	5
	III-II (B)	DM	Santhosh .V	64	49	5	5
6	III-II (A)	FEM	K.Phanindra Kumar	60	54	5	4
	III-II (B)	FEM	R.Harika	60	51	5	4

7	III-II (A)	HT LAB	G.Ushodaya/Phani	52	48	12	10
	III-II (B)	HT LAB	K.Ramu/R.Harika	52	52	12	12
8	III-II (A)	AECS LAB	Ruth.Livingston	51	42	5	5
	III-II (B)	AECS LAB	D.K.M.Sharma	51	40	5	5

Sl no.	Year & sem	Subject	Faculty Name	No. Of hours Planned	No. of Hours Taken	Total Units	Units Completed
1	IV-II (A)	PLMH	M. K. Satya Sai	59	54	8	8
	IV-II (B)	PLMH	M. K. Satya Sai	59	55	8	8
2	IV-II (A)	PPC	K.Susheela	55	53	8	8
	IV-II (B)	PPC	K.Susheela	55	52	8	8
3	IV-II (A)	RES	J.Sharat Chandra	50	48	8	8
	IV-II (B)	RES	J.Sharat Chandra	50	48	8	8

No. of Tutorials ,Assignments,Seminars and AV's conducted in 2015-16 II sem:

IV MECH		Sec-A		Sec- B	
Sl.No.	Subject	Tutorial	Assignment	Tutorial	Assignment
1	PRODUCTION PLANNING& CONTROL	5/8	2/2	3/8	2/2
2	RENEWABLE ENERGY SOURCES	5/8	2/2	4/8	2/2
3	PLANT LAOUT & MATERIAL HANDILING	5/8	2/2	5/8	2/2

II MECH

Sl.No.	Subject	Tutorial	Assignment	Tutorial	Assignment
1	THERMAL ENGINEERING -I	5/5	2/2	4/5	2/2
2	PRODUCTION TECHNOLOGY	3/5	2/2	4/5	2/2
3	KINEMATICS OF MACHINERY	5/5	2/2	3/5	2/2
4	MACHANICS OF FLUIDS &HYDRAULIC MACHINES	4/5	2/2	4/5	2/2
5	MACHINE DRAWING	NIL	NIL	NIL	NIL
6	MATHEMATICS-II	5/5	2/2	4/5	2/2
7	Seminar(M.Rajshekar& M.Sujan Kumar)	53/57	-	35/59	-
8	AV Classes (Ms.Harika & Ms.Usha)	12/16		12/16	

III MECH-A

Sl.No.	Subject	Tutorial	Assignment	Tutorial	Assignment
1	HEAT TRANSFER	1/5	2/2	5/5	2/2
2	DISASTER MANAGEMENT	3/5	2/2	3/5	2/2
3	FINITE ELEMENT METHODS	5/5	2/2	5/5	2/2
4	REFRIGERATION AND AIR CONDITIONING	NIL	2/2	3/5	2/2
5	DESIGN OF MACHINE MEMBERS-II	4/5	2/2	4/5	2/2
6	AUTOMOBILE ENGINEERING	5/5	2/2	5/5	2/2

No. of dept. meetings 2015-2016:

No. of dept. meetings 2015-16 sem I		No. of dept. meetings 2015-16 sem II	
Date of Meeting Conducted	No.of Staff Attended	Date of Meeting Conducted	No.of Staff Attended
23/6/2015	16	17/11/2015	19
3/7/2015	22	9/12/2015	16
17/7/2015	19	17/12/2015	17
23/7/2015	16	20/1/2016	20
31/7/2015	18	27/2/2016	15
11/9/2015	21	30/3/2016	13
21/9/2015	20	25/4/2016	17
8/10/2015	14	6/5/2016	25

Mini and Major projects:

We have formulated a PRC with i/c HOD, Coordinator and two senior faculty members from the department.

MAJOR PROJECT

Sl. No.		Section A	Section B
1.	Inhouse	13	12
	Outside/Company/Industry	1	2

MINI PROJECT

Sl. No.		Section A	Section B
1.	BHEL	2	1
2.	DRDL	1	0
3.	DRDO	0	3
4.	South Central Railways	9	6
5.	IDA	2	0
6.	HMT	0	1
7.	CITD	0	1
8.	PAVITRA INDUSTRIES	0	1

Faculty Extra Responsibilities:

Activity	Name of the Faculty
UG Academics	Mrs. K.Susheela
PG Academics	Mr. M.K.Satya Sai
Time Table	Mrs K.Susheela
Examination	Mr. K. Phanindra
Attendance and Mentoring	Mr. B. Devendar
Tutorials and Assignments	Mr. K. Ramu
AV Co-ordinator	Ms. R. Harika
Seminar Co-ordinator	Mr. M. Rajashekar
Projects Co-ordinator	Mr. M.K.Satya Sai
Training	Mr. P.Pulsingh
Placement	Mr. J. Sharat Chandra
Student participation	Mr. M. Nitin Kumar
Branch Association	Ms. Reeti Mukherjee
Library	Mr. M.K. Satya Sai
Feed back	Mr. Sujan Kumar
NBA Co-ordinator	Mr. M.K.Satya Sai
Purchase Incharge	Mr. K.Mahesh

Faculty Paper Publications:

Faculty Name	Topic	Journal
N. Priyanka	Design of Casting while using crucial inputs from flow simulation and validation with radiographic experimentation	IJETT
	Experimental and numerical investigation of case gear meter casting die	IJER
	Utilizing Flow Simulation in the design phase of casting Die To optimize Design parameters and defect analysis	ELSEVIER PUBLICATION- Material today proceedings
K. Susheela	Finite element analysis of Leaf spring	IJIRTSE
	Study the Performance of diesel engine Using Nerium Blends as an alternative Fuel	IJIRTSE
Reeti Mukherjee	Effect of stacking sequence on a 20 ply compsite laminate with respect to the 60 degree angle ply	IJAER
M.K.Satya sai	Review on composite materials and its applications	IJLTET

Conference Attended

Faculty Name	Name of Conference	Paper Presented
N.Priyanka	ICAAMM- 2016	Utilizing Flow Simulation in the design phase of casting Die To optimize Design parameters and defect analysis
	ICGTETM-2016	Design of Casting while using crucial inputs from flow simulation and validation with radiographic experimentation
	PGCON-2015	Experimental and numerical investigation of case gear meter casting die.
K. Susheela	NCRTST-2015	Performance of a direct injection diesel engine with cotton seed oil as an alternative fuel
R. Harika	ICEEE-2016	Flutter & divergence analysis of C-cross sectioned beam made of graphite epoxy



Workshops Attended

Faculty Name	W/S attended
K.Susheela	A 3 day FDP on CFD and its applications in engineering(under TEQUIP) JNTUH
A.Sharat	Engineering Drawing with AUTO CAD, Gitanjali College of Engineering

Department Activities

Sl no.	Month	Name of the Event	Organized by	Date(s)	No. of Participants
1	December	Guest Lecture By Mr.Vishal karan, Sr.General Manager, Usha industries	AUTOMAAC	29 th ,December, 2015	80
2	January	Workshop	AUTOMAAC	7 th n 8 th January,2016	15
3	February	Industrial Visit For III rd years Usha industries	AUTOMAAC	9 th ,January, 2016	100
4	March	Industrial visit For IV th years KTPC	AUTOMAAC	10 th ,March, 2016	110

Students Participation:

- ▶ **Mr.Arjun , Mr. Naveen , Mr. Anil (II ME)** with his friends Ms.Sireesha (III CSE) and Mr. B.Venkatesh (II EEE) have accomplished a project **RAW CAR**. With the support of management and department two of them **Mr. Arjun** and Ms. Sireesha could successfully present it in an international event **MECHAERO 2015** organised by **OMICS International, California(3rd-7th,October,2015)**. They won the **Best Innovation Award** for the same.
- ▶ They have presented the same in **SRUJANA,2016** conducted by ABVP in **Karimnagar(1st-5th, April,2016)** .
- ▶ **Mr Aravind Sundaram (IV ME)** have attended an internship at **APOGEE 2016** organised by **BITS,Philani (26th-28th,Feburary,2016)** on **Management Skills**. He also attended internship at **Storage Solutions** at **Morning Breeze, Muscut**.
- ▶ He also presented a paper on **Turning Engine for Greener World** with **Mr.G.Akhil (IV ME)** and won the **1st prize** at **INOVISION 2K15** organised by **Sreenidhi Institute of Science and Technology**.

- ▶ Two batches of students have attended an poster presentation at **NCRTME 2016** conducted by **JNTUH(28th-29th ,April,2016)** and have got appreciation awards.
- ▶ **Mr. Dheeraj & Ms. Gayatri (III ME)** on **Friction Stir Welding- An Overview**.
- ▶ **Mr.Koundinya & Mr. Anant Shah (III ME)** on **Graphene- 2D beats 3D**.
- ▶ The two posters were among the **8 out of 45** selected in the conference.
- ▶ Students have also shown their active participation and on **college level prizes** in sports like **Cricket, Basket ball and Khabaddi**.

Campus Selections:

- ▶ **7** students of IV B.Tech got selected in **Morning Breeze,Muscut**.
- ▶ **4** students got selected in **GENPACT**.
- ▶ **6** students got selected in **Sutherland Technologies**.

PART- B

***NEW INITIATIVE TAKEN DURING THE ACADEMIC
YEAR 2015-16***

- To reduce the no. of students coming out of class every hour we started a **10 min. break** from **11.25am to 11.35am** in the morning session of classes.
- A workshop was organised by our staff **Mr. P.Pulsingh** on **“Digital Manufacturing”** by taking only material cost from students. Students were very happy and could accomplish some good knowledge which helped them in completing their projects.
- Apart from workshop he has also offered it as a training program of 50hr to final year on Saturdays with on only material cost.

PART-C

PLANNING OF NEXT ACADEMIC YEAR 2016-17

Date and composition of advisory committee

- ▶ We are planning to formulate the DAC with principal, HOD and senior faculty including an academician and industrialist by the starting of the academic year 2016-17.

Planning for Activities & budget for the Academic Year 2016-17							
Month	Approximate Dates	UG/PG	Type of activity	Target Audience with number of participants	Budget	Amount Excepected through registration fee/sponsorship	Net Contribution excepted from Institute
June,2016	28/06/16	UG	Guest lecture	90	500/-	-	500
July,2016	11/07/2016 & 12/07/16	UG	workshop On 3D Printing	90	20000/-	500/- Per Head	10000
August,2016	26/08/16	UG	Guest Lecture	60	500/-		500
September,2016	16/09/16 & 17/09/16	UG	Workshop on Digital Manufacturing	60	20000/-	500/- Per Head	8,000
October, 2016	8/10/2016	UG	Guest Lecture	60	500/-		500
December,2016	17/12/16	UG	Guest Lecture	60	500/-		500
January,2017	06/01/17 & 07/01/17	UG	workshop on Assembly and Dissembly	90	30000/-	3000/- per head	10000
Febraury,2017	11/02/17 & 18/02/17	UG	Industrial Visit for IV and III year students	100 100	20000 20000	200/- per head 200/- per head	
March,2017	4/3/2017	UG	Guest Lecture	80	500/-		500
			Total				30500

Budget for labs for 2016-2017

Name of the Lab	Amount
CAD/CAM Lab	Rs. 20Lakhs
Thermal Engineering Lab	Rs. 3000
Metrology Lab	Rs. 25,000
Mechanics of Solid Lab	Rs.6,000
Fluid Mechanics and Hydraulics machinery lab	Rs.25,000
Instrumentation Lab	Rs. 30,000
Engineering Workshop	Rs.41,400
Heat Transfer Lab	Rs. 2,76,000
Total	Rs. 24,06,400

Department Total Budget :

Rs. 24,36,900

NEW INITIATIVES FOR NEXT ACADEMIC YEAR

- ▶ Request for **new place** for **CAD/CAM Lab** with separate server ,systems and **NC mill**.
- ▶ We are introducing a new **Elective** for **IV B.Tech-I Sem** students **NANOTECHNOLOGY**.
- ▶ Proposal of **Solar incubation cell** under **TASK**.
- ▶ Proposal of **Robotics training center**.
- ▶ Proposal for implementation of **Pradhan Mantri Kaushal Vikas Yojna**. It is training the youth in **Engineering Skills** through **AICTE approved Engineering Colleges** to acquire adequate skills under **National Skill Qualification Framework**.
- ▶ Planning for **Department Magazine**(Students).
- ▶ Exclusive staff for **Engineering Drawing**.

Thank You