## Review and Planning Presentation

Department of Humanities and Sciences

Dr. Ch.S.L.N. Sridhar

M.Sc., M.Phil., Ph.D.

**Professor & HOD** 

### PART-A

# Regular Activities during the Academic year 2017–2018

## Student strength

ECE	4 Sections	199
CSE	4 Sections	211
EEE	2 Sections	87
IT	1 Section	53
MECH	2 Sections	81
CIVIL	2 Sections	91
Total	15 Sections	722

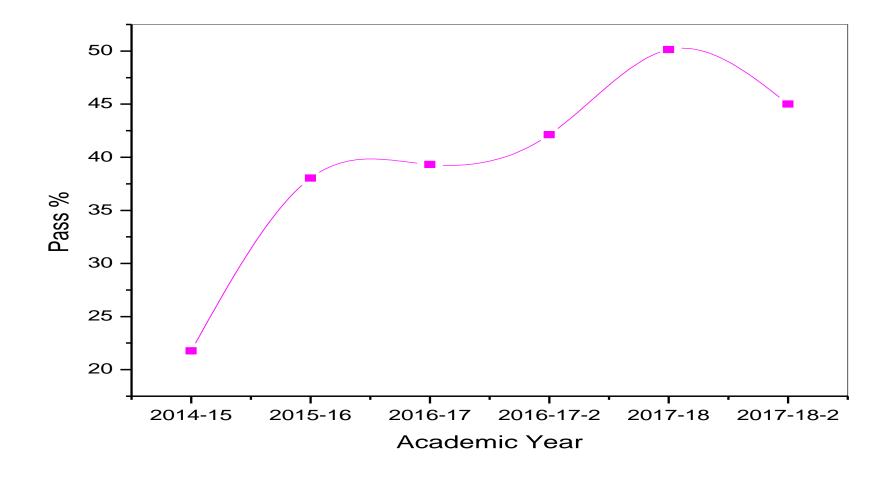
## Faculty Strength

```
    Mathematics 13 ( 2 Ph.D.)+1 (submitted)
    Physics 08 (5 Ph.D.) +2 (pursuing)
    Chemistry 9 (2 Ph.D.) +1 (pursuing)
    English 08 (1 Ph.D.) +1 (submitted) +3 (pursuing)
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- Total 38 (10 Ph.D.s+8submitted/about to submit/pursuing)
- Two Faculty Eligible for Guiding Students for Ph.D
- ▶ 10 Faculty qualified in SET( 5 this year)
- 2 Faculty qualified in GATE

## RESULT ANALYSIS (I YEAR) Last Four Years %

Branch	2014- 15	2015- 16	2016–17 (I–sem)	2016–17 (II–sem)	2017–18 (I–sem)	2017-18 (II-sem)
ECE	19.9	40.43	35.27	38.71	61.73	50.75
CSE	29.9	43.10	40.00	43.67	63.16	50.97
EEE	23.61	51.22	58.33	60.49	41.86	43.02
IT	20.00	41.07	35.85	39.62	49.06	43.4
ME	14.71	21.84	34.21	22.86	25.32	34.18
CE	12.80	18.52	35.80	47.3	22.89	30.23
Total	21.76	38.03	39.31	42.13	50.14	45



## Failures in each subject and Pass%

	EP-II	MII	M III	EG	СР
ECE- (199)	42	54	35	38	69
EEE- (87)	23	35	18	12	23
CSE (211)	28	59	30	22	63
IT - (53)	7	22	9	13	16
550	100	170	92	85	171
Pass	81%	69%	83%	84%	68%
	AP	EC	M III	BEE	СР
ME - (81)	12	14	33	43	18
CE –(91)	15	14	27	54	2
Total-172	27	28	60	97	20
Pass %	84%	83%	65%	43%	88%

Sl.No	Faculty name	Subject	Branch	Section	Hours Planed	Hours Taken	Total Units	Completed
1	Dr. Venkateswarlu	M-III	ME,CIVIL	A,B	70	90	5	5
							5	5
					70			
2	Dr.B.Chadra Shekar	MII	CSE	В		92	5	5
		MII	CSE	С	70	92	5	5
							5	5
3	E.Prasad	MIII	ECE	С	70	95	5	5
		MIII	IT		70	95	5	5
							5	5
4	R.Chandra Shekhar	M-II	ECE	В	70	92	5	5
		M-II	EEE	В	70	90	5	5
5	Y.Sriram	M-II	ECE	Α	70	84	5	5
		M-II	ECE	С	70	95	5	5
							5	5
6	Sudhakar reddy	M-III	ECE	В	70	95	5	5
		M-III	CSE	В	70	92	5	5
7	G.N.Malleswari	M-III	CIVIL	Α	70	95	5	5
		M-III	EEE	А	70	95	5	5
							5	5
8	Ch.Jayanthi	M-III	ECE	D	70	99	5	5
		M-III	EEE	В	70	100	5	5
							5	5
9	Madhuka	MII	CSE	D	70	95	5	5
			MBA		65	72		
							5	5

SI.No	Faculty name	subject	branch	section	No. of Hours Planed	No.of Hours taken	Total Units	Units Completed
10	Jithendar Reddy		CSE	С	70	85	5	5
			ECE	Α	70	80	5	5
11	B.Ramesh	M-II	CSE	Α	70	85	5	5
					70	80	5	5
							5	5
12	B.Jamuna	M-II	CSE	Α	70	85	5	5
			ECE	D	70	80	5	5

					Hours	Hours		Units
Sl.No	Faculty name	Subject	Branch	Section	Planed	Taken	<b>Total Units</b>	Comp.
1	Dr.Ch.L.N.S Sridhar	AP	ME-A	Α	60	72	5	5
1	1	EP-II	1	1	7		1	<b></b>
i '	1	1	1		,		1	7
2	Dr.B.Bapiraju	EP-II	ECE-	Α	60	66	5	5
·	,	EP-II	EEE	В	60	62	5	5
<i>-</i>	1	1	1	1	7			<b></b>
ı '	'		1	1	7		1	<b></b>
3	Dr.K.V. Dharmendra kumar	EP-II	ECE	С	60	55	5	5
<i></i>	,	EP-II	IT	1	60	56	5	5
<i>'</i>	,	<u></u>	1	1	7	30	10 EXP	9 EXP
<i></i>	,	<u> </u>	1	1		30	10 EXP	8 EXP
4	D.Srinivas	EP-II	ECE	В	60	58	5	5
<i></i>	,	EP-II	EEE	A	60	58	5	5
,	,	<u> </u>				<u> </u>	<del>-</del>	1
,	'	<u> </u>					+	<i>T</i>
5	Lakshmi Savithri	EP-II	ECE	В	60	56	5	5
<u> </u>	Landinin Surviv	EP-II	IT		60	58	5	5
	+	<del></del>				<del>                                     </del>	5	5
	1	<del>                                     </del>					+	<del>                                     </del>
6	Mr.Pavan	AP	CIVIIL	S&B	80	70	5	5
	1711.1 47411	<del></del>			— <u> </u>	1		
<u> </u>		<u> </u>	<u> </u>	<b></b> '	<b></b> '	<u> </u>	10	10
<b></b> '	<u> </u>	EP-II LAB	ME,ECE,CSE	B,A,A,B	80	75	10 EXP	8 EXP
<b></b> '	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<b></b> '		10 EXP	10 EXP
7	Dr. Salauddin Mohammad	EP-II	CSE	Α	70	57	5	5
<u>.                                    </u>		EP-II	CSE	D	70	55	5	5
<u> </u>			'	<u> </u>				
8	Mr.Sunil	EP-II	CSE-C	С	70	65	5	5
		EP-II	<u>1</u>	<u>1 '</u>	<u> </u>		10 EXP	10
		<u> </u>	1	1	<u> </u>		10 EXP	10
		· [	1	1			5 EXP	10 EXP
			1	1'			10 EXP	10 EXP
A Committee of the Comm								

		1						
					No.of Hours	No.of Hours		Units
Sl.No	Faculty name	subject	branch	section	Planed	taken	Total Units	Completed
1	Dr.Anand Rao	EC	ME-A	А	70	65	5	5
					-		5	5
2	K.Shirish Kumar	EC	CIVIL	А	70	60	5	5
2	K.Siiiisii Kuinai		CIVIL	A	70	00		
							5	5
3	S.Shilaja	EC LAB	CSE-C	С	60	60	5	5
			ECE-D	D	60	60	5	
4	Ms.Manasa	EC LAB	CSE	D	20	60	5	5
							5	5
5	Ch.Srikanth	EC	MECH	В	60	65	5	5
		EC	CIVIL	В	60	62	5	5
6	Ms.Sreevani	Es	ME		60	35	5	5
			EEE		60	35	5	5

					Hours	Hours	Total	Units
SI.No	Faculty name	subject	branch	section	Planed	Taken	Units	Compl.
31.140	racarty name	Jabjece	Dranen	30001011	Tidrica	Taken	Offics	Compi
1	Dr. Venkat	PCE	CIVIL	Α	80	64	5	5
		ELCS	CIVIL	Α	45	36	5	5
2	Mr. D.K.M.Sharma	PCE	MECH	А	80	66	5	5
		ELCS	MECH	Α	45	33		
3	Ms.Ruth Livingston	II-GS	CIVIL	Α	36	36	5	5
		II-GS	CSE	Α	36	36	5	5
		II-GS	CSE	С	36	36	5	5
							5	5
			ME,					
4	Mr.Ravi	AECS	Civil, ECE	B,C,D	80,32,36	66,30,34	5	5

5 Assignments and 5 Tutorials conducted in all the subjects

## Department Meetings

Total meetings 1 1 conducted from 12–7–2017 to 07–4–2018

- First Year Coordinator Dr.Bapiraju
- Discipline
   Mr.E.Prasad, Dr K.V.Dharmendra Kumar & Dr. Shirish
   Kumar
- Time Table In-charges
   Mr. R.Chandra Shekar & Mr. V. Madhukar
- Examinations
   Mr. Jithender Reddy
- Library
   Dr. Shirish kumar & Ms Laxmi savithri

- Department Presentations Ms.Manasa
- Assignments and tutorials
   Ms.Jamuna, Ms.Ruth Livingston
- A.V.Classes
   Ms.Sreevani & Mrs.Shylaja
- Events
   Mrs.Lakshmi Savithri & Mrs.Malleswari

 Attendance Uploading Ms.Jayanthi

R&D
 Dr.Venkat, Dr. Bapiraju, Dr B. Chandra Shekar

Mentoring Mrs.Swaroopa

Academics
 Mrs.Ashwini

Co-Ordinator - Student affairs Mr. DKM Sharma

Co-Ordinator-ECO CLUB

Dr.K.Sirish Kumar

Co-Ordinator-NSS/NSO Mr.Vasudeva Reddy

#### Filing and Documentation

All the files D1-D27 are well maintained.

ALL THE FACULTY CONTRIBUTED WELL FOR NBA AND NAAC INSPECTIONS

# ACTIVITIES (2017–2018)

#### **Departmental Presentations**

During the month of JUNE & JULY 2017 all the staff members of H&S gave presentations on the subjects/topics identified.

There were nearly 40 presentations

## Induction and orientation

02-08-2017

Induction Program for I B.Tech. admitted students and their parents was conducted in the college campus. Dr.W.G.Prasanna Kumar, Chairperson, National Council for Rural Institute was the chief guest for this event.









#### 03-08-2017 to 5-8-2017

Orientation classes on 3<sup>rd</sup> to 5<sup>th</sup> August for I.B.Tech students was conducted in which 700 students attended.

Following Resource persons delivered lectures on this occasion:

Mr.A.K.Khan, Former Commissioner of police, Hyderabad

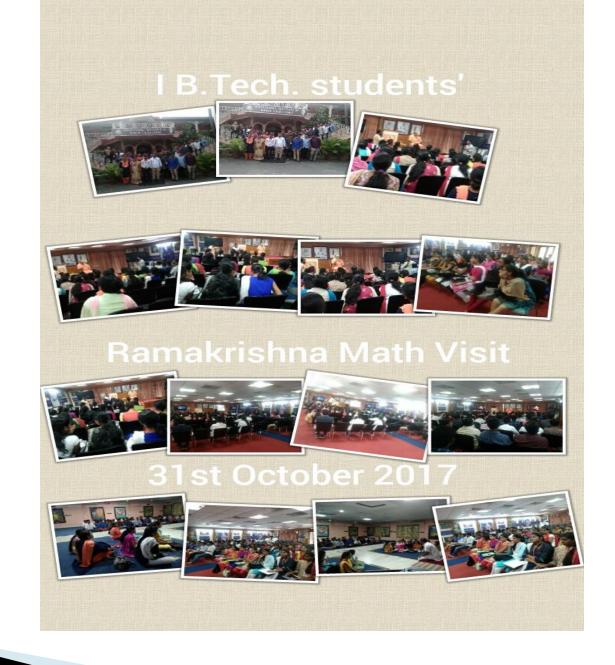
Dr. Vivek Modi, Professional Motivational Speaker & Trainer

Mr.Raghu Dut, Professional Motivational Speaker & Trainer

Prof. Venkata Rajaiah, Retd. Professor, OU, Yoga Trainer







#### Avishkar

#### 25-01-2018

▶ IEEE-VBIT SB has conducted AVISHKAR-2K18, which is a decennial year celebration (Intra-Collegiate round) in which 149 teams participated. The final round was held on 26-01-2017 for the 15 teams short listed from the prelims.









#### Ganith (Mathematics club)

#### 14-02-2018

Ganith-The Mathematics Club of VBIT has conducted EVOLUTE-2K18 in which activities like Selfie Math, Poker Quiz, Dumb C, Doddling, Mystery Snapper, Sudoko etc were organized on 14<sup>th</sup> & 15<sup>th</sup> February, 2018. 200 students from various branches were participated in this event. Dr.Acharya GRK, Professor, dept. of Mathematics, NIT-Warangal was the chief guest for the event.









#### **National Science Day**

28-02-2018

Department of H&S has organized a guest lecture on Magnetic Storage Devices by Dr.J.Surya Narayana, Associate Professor, Dept. of Physics, IIT- Hyderabad on the occasion of National Science day.





## Sowparnika (Physics & Chemistry club)

Date: 10-03-2018

No.of Students Participated-300

No. of Working Models-30

No. of Posters(PPT)-43

Students are exposed to basic principles of their field of engineering. They were able to identify different components and know how they work. It helped to improve their confidence levels.

## Sowparnika





## Parents' Meet

- Conducted twice (October-17 and March-18)
- Parents of nearly 115 students attended the meeting on both the occasions
- All the faculty contacted (Repeatedly) the parents of their group of students in particular irregular students.





## Ecoclub (9/3/2018)

- Harith-Eco Club of VBIT has organized Prakruthika 2K18 in which events like Nature Photography challenge, Nature Bucket Challenge, Techvironmental Expo, Poster making etc were conducted in which 200 students from various departments were participated. Dr.Shakeel Ahmed, Chief Scientist, NGRI was the chief guest for this event. Dr.Saheb rao Sol Kamble, scientist, NGRI delivered a guest lecture on Wetland & Water Management on this occasion.
- VBIT has been awarded Green Campus award by STUMAGZ, Hyderabad.









#### **VIBHA**

VIBHA 2K18- College Annual Day celebrations was conducted on 27<sup>th</sup> & 28<sup>th</sup> march, 2018.Live Singing concert by Mr.Hemachandra, Ms.Sravana Bhargavi, Mr.Yasin Nazir, Ms.Sameera Bharadwaj was organized.

Mr.D.K.M.Sharma of H&S was the convener.

Mrs Ashwini and Mrs.Swaroopa were the programme coordinators.









## **R&D** Activities

#### PUBLICATIONS

Sl.No.	Name of the faculty	Title	Complete Reference of Journal	Year	Journal Index SCI/SCOPUS/SJR/UGC Approved
1	Dr.Ch.S.L.N.Sridhar, Dept. of Physics	Influence of Nb+5 doping in Mn-Zn nanoferrites	Materials Research Express, Volume 4, 11106.	2017	SCI
2	Dr.Ch.S.L.N.Sridhar, Dept. of Physics	Development of Nano Crystalline Magnetite Using Sol-Gel Method	International Journal of Current Engineering and Scientific Research, Vol. 5, Issue 4	2018	UGC Approved
3	Dr.B.Chandra Shekar, Dept. of Mathematics	Magnetohydrodynamic convection in a porous square cavity filled by a nanofluid with viscous dissipation effects	cavity filled by a Institution of Mechanical Engineers, Part E: J Process		SCI
4	Dr.B.Chandra Shekar, Dept. of Mathematics	Magnetohydrodynamic double- diffusive convection in fluid saturated inclined porous cavity with thermal radiation and chemical reaction	Journal of Chemical Technology and Metallurgy, Vol. 53, No. 3, pp. 518-536	2018	SCOPUS
5	Dr.B.Chandra Shekar, Dept. of MHD Natural Convection Heat Transfer in a Porous Square Cavity Filled by Nanofluids with Viscous Dissipation		Journal of Nanofluids, Volume 7, Number 5, pp. 928-938	2018	SCOPUS
6	N.Hemalatha, Dept. of Chemistry	Development of Nano Crystalline Magnetite Using Sol-Gel Method	International Journal of Current Engineering and Scientific Research, Vol. 5, Issue 4	2018	UGC Approved

#### List of Seminars/Workshops Attended in Academic year 2017–18

Sl.No.	Name of the faculty	Title	Venue	Date
1	Dr.B. Chandra Shekar, Dept. of Mathematics	Numerical Solution of Bioconvection in Nanofluid saturated Porous Square Cavity due to Oxytactic Microorganisms	International Conference on Computational Fluid Flow and Heat Transfer (CFFHT-2018), Osmania University	28-29, March 2018
2	Dr.B. Chandra Shekar, Dept. of Mathematics	Bioconvection Nanofluid Flow in a Porous Square Cavity Containing Oxytactic Microorganisms	62 <sup>nd</sup> Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2017), University College Engineering, OU.	15-18, Dec 2017
3	Dr.B. Chandra Shekar, Dept. of Mathematics	GIAN Course on Nonlinear Dynamics of Classical Magnetic Systems	, University College of Technology, Hyderabad	23 Nov-22 Dec 2017
3	Dr.B. Chandra Shekar, Dept. of Mathematics	Effects of chemical reaction and thermophoresis on unsteady MHD convective heat and mass transfer flow past a vertical plate	CONIAPS XX 20 th International Conference of International Academy of Physical Sciences on Recent Advances inPhysical Sciences and Future Challenges, Osmania University	14-16, July 2017
4	M.Pavan Kumar, Dept. of Physics	To Train the Trainers for Implementation of INDUCTION PROGRAM in the Affiliated Colleges of JNTU, Hyderabad	JNTU, Hyderabad	17-19, May 2018
5	V. Lakshmi Savithri Vatsalya, Dept. of Physics	To Train the Trainers for Implementation of INDUCTION PROGRAM in the Affiliated Colleges of JNTU, Hyderabad	JNTU, Hyderabad	17-19, May 2018
6	T.Swarupa Rani, Dept. of English	To Train the Trainers for Implementation of INDUCTION PROGRAM in the Affiliated Colleges of JNTU, Hyderabad	JNTU, Hyderabad	17-19, May 2018
7	Dr. Shirish Kumar Kodadi, Dept. of Chemistry	Computational Studies of CT Complexes of 6 (trifluoromethy) furo[2,3-b] pyridine 2 carbohydradizes with iodine as o-acceptor	International Conference on Cogntive Informatics and Soft Computing (ICCISC- 2017), VBIT	20-21, Dec 2017
8	Dr. Shirish Kumar Kodadi, Dept. of Chemistry	Computational Studies of CT Complexes FP2C	International Conference on Cogntive Informatics and Soft Computing (ICCISC- 2017), VBIT	20-21, Dec 2017

23 Faculty members of H&S Department attended AICTE Approved FDP on Research Methodology in Management & Social Sciences Using SPSS, VBIT.

#### Four minor research projects were sanctioned by UGC

	rour min	or researem pro	) cets were sufficient by o'de	
S.No	Name of the Investigator	Department	Title of the Project	Amount
1	Dr. Ch. S. L. N. Sridhar	Humanities & Sciences (Physics)	Synthesis-Structural-Dielectric and Magnetic studies on Titanium doped nanocrystalline Manganese zinc ferrites	1,75,000/-
2	Dr. B. Bapiraju	Humanities & Sciences (Physics)	Surface Boundary layer characteristics from a Mini Boundary layer Mast (MBLM) over a flat Terrain at VBIT -Hyderabad (17.28'N-78.43' E)	50,000/-
3	Dr. K. Shirish Kumar	Humanities & Sciences (Chemistry)	Spectrophotometric – Thermodynamic and Molecular Modeling studies of Novel Crizotinib with NBS and DBQ	1,60,000/-
4	Ms. S. Shylaja	Humanities & Sciences	An Attempt for Developing Smart Agricultural Methods using Nanofertilizers	1,40,000/-

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# ▶ PART-B

### New initiatives taken during 2017-2018

- Additional classes in M-I,M-II EM,BEEE AND EG
- BEEE handled by both ECE and EEE Faculty simultaneously
- Cos and Pos explained in all the classes
- Framed syllabus for NSS and it has been implemented by JNTUH for all other Engg.colleges
- Ground work done for starting college journal
- Students were selected for IICT Visit by conducting screening test
- For the first time Classes (sports, heritage and culture, Music) were conducted successfully for all the students









# Part-C Planning for the Academic year2018-2019

#### Date and Composition of Advisory committee

- Department advisory committee is formed with Principal, HOD, Subject in charges of Chemistry, English, Physics, Mathematics and the following two members from other colleges
- ▶ 1 Dr.TSPLN Prasad, Physics professor, AV college, Hyd
- 2 Dr.Swarnalatha, Mathematics professor, JBIET, Hyd
- 3 Dr. A.Sridevi, Professor of English, OU, Hyd

## Various requirements and budget

SUBJECT	MONTH	EVENT	BUDGET
Mathematics	September November December February	Workshop/Symposiu m/Guest Lectures	1,10,000/-
English	August October January	Workshop/Symposiu m/Guest Lectures	50,000/-
Engineering Physics & Engineering Chemistry	November December January	Workshop/Symposiu m/Guest Lectures	35,000/-

# REQUIREMENT FOR LABS

LAB	BUDGET
Engineering Physics Lab	1,00,000/-
Engineering Chemistry Lab	50,000/-
English	1,40,000/-

## Targets & Schedule for major activities

SUBJECT	MONTH	EVENT	Participants &No
Mathematics	September November December February	Workshop/Symposiu m/Guest Lecture	Students and faculty
English	August October January	Workshop/Symposiu m/Guest Lecture	Students and faculty
Engineering Physics & Engineering Chemistry	November December January	Workshop/Symposiu m/Guest Lecture	Students and faculty

#### Targets for the year 2018-2019

- Improving the student performance
- Completing the UGC Projects
- Applying for some more projects
- Starting Consultancy Activities
- Renewal of MOU with CMET
- New MOUs with other Research Organisations
- FDP with focus on New JNTUH Syllabus
- Conducting workshop in collaboration with NIT Warangal
- Two weeks induction Programme for I-B.Tech

## VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY Aushapur(v), Ghatkesar(M)

#### **Department of Humanities and Sciences**

Responsibilities of Department committees (2018-19)

ss than 75% attendance and giving the same to
nts
are bunking some classes
d students from the mentors
ents in canteen
classes in time
ut of the classes in between
at of the classes in between
b

minars, workshops, Guest
nor projects
rojects
esentations.
signments and tutorials of all the
ave not submitted
d tutorials are corrected and
the subject incharges along
ing the various committees.
nd forward the same to IQAC

8.	AV	1.To allot different subjects for A.V			
	Classes/Dept.lectures	2.To collect A.V. Materials from subject incharges			
9.	Library	1. Maintain the list of Books and Journals of the department			
		2.To maintain department library			
		3. To collect and submit material for Vignana Shodana and			
		Gignasa			
10.	Lab incharges	1. To maintain the list of experiments and equipment			
		2.To prepare the list of requirements and Budget			
		3.List of additional experiments			
		4. Records and observations			
		5.Lab exam time tables			
11.	Result Analysis	1.Collection of Results from Exam branch			
		2.Complete analysis of results			
12.	Syllabus Completion	1.Academic plans			
		2.Course material files			
		3.Monthly completion of syllabus			
		4. Academically weak students list after internal exams			
		5.Remedial classes			

13.	Mentoring	1.Preparing Class wise Mentors list			
		2.Collecting the list of troublesome students			
		3.Checking the mentoring Registers			
14.	Department Files	1.Proper maintenance of all the D-27 files.			
		2. Submitting all the files to IQAC at the end of the year			
15.	Subject incharges	1.Allocation of subjects			
		2.Prepatation of Internal question papers and key			
		3. Checking the corrected answer scripts randomly			
		4.Submitting the award lists			
		5.Conducting interviews/Ratification			
		6.Department Advisory committee			
16	Feed Back	1.Helping IQAC in taking student feed back			
		2.Filing the feedback sent by IQAC			

				Targ et	Achieved	Remarks
1	Result	without any backlog		50%	48%	Subjects BEEE,CP effected the results
2	Placement	On campus				
•	riacement	Off Campus				
		Workshop				
		<b>Guest Lectures</b>		2	2	
$\prec$	Extra Curricular Activities	Faculty Development Programs	Participated	38	23	
			Conducted / organized			
		Conferences Organized	i			
		Proposals uploaded		4	0	For AICTE Projects there is a restriction
4	Research	Proposals approved				

## Suggestions

#### Suggestions Given By Audience

- Mentoring Process to be made more effective
- Measures to improve communication skill to be adopted
- Measures taken to improve students Discipline to be presented
- Faculty forum to be activated

## THANK YOU