



Vidya Jyothi Institute of Technology

(An Autonomous Institution)
(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)
Azimnagar Gate, C.B. Road, Hyderabad-500 075

EXTERNAL ACADEMIC AUDIT

Date of Academic Audit :

(2018 - 19)

1.	Name of the Department	Mechanical Engg												
2.	Year of Establishment	1999												
3.	Names of Programmes offered (Mention with Intake)	B.Tech (240) M.Tech (CMA/CA) (24)												
4.	A) Number of Teachers : 68													
	<table><thead><tr><th>Designation</th><th>Existing</th></tr></thead><tbody><tr><td>Professor</td><td>7</td></tr><tr><td>Associate Professors</td><td>12</td></tr><tr><td>Asst. Professors</td><td>49</td></tr><tr><td>Others</td><td>—</td></tr></tbody></table>	Designation	Existing	Professor	7	Associate Professors	12	Asst. Professors	49	Others	—			
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Professor	7													
Associate Professors	12													
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Others	—													
	B) Teaching Experience of the Faculty in the Institute													
	<table><thead><tr><th>Tenure</th><th>No. of Teachers</th></tr></thead><tbody><tr><td>More than 5 Years</td><td>13</td></tr><tr><td>More than 3 Years</td><td>28</td></tr><tr><td>Between 2 to 3 Years</td><td>16</td></tr><tr><td>Between 1 to 2 Tears</td><td>1</td></tr><tr><td>Below 1 Year</td><td>10</td></tr></tbody></table>	Tenure	No. of Teachers	More than 5 Years	13	More than 3 Years	28	Between 2 to 3 Years	16	Between 1 to 2 Tears	1	Below 1 Year	10	
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5.														
	Student Teacher Ratio	12.41 : 1												
	Number of faculty having Ph.D	9												
	Number of faculty registered for Ph.D	11												

6. Grants/Funds Received for Research/FDPs/STTPs/Workshops etc.

I. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR

- Number of Research Grants only:
- Number of Faculty Development Grants:
- Research Grants received:
- Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals	Name of the Faculty	Purpose of the Grant Research/ FDP/ STTP/ Workshop	Funds/Grants received (INR in lakhs)	Collabor ation (National / Inter National
AICTE MODROBS	GOVT	Dr.L. Madan Ananda Kumar	Research	10.39	NA
II. ONGOING PROJECTS					
AICTE MODROBS	GOVT	Dr. V.V. Srinivasan	Research	8.472	NA

7.	Special research laboratories sponsored by / created by industry or corporate bodies	NIL
8.	Publications (List is to be attached)	
	Number of Papers published in Journals	16
	Number of Papers published in Book Chapters/Conferences	01
	Number of Books with ISBN	NIL
	Average Citation Index	
	Average Impact Factor	
	h-index	

9. Details of patents

Name of the Faculty	Topic	Obtained / Published / Filed	Product
Dr. L. Madan Aravinda Kumar	Power Generation system of accurate vehicles & method employed thereof	Published 2018/11/17/23/17 25/05/2018	Product
Dr. N. Ravinder Reddy Dr. B. Padma Reddy et. al	Design of tool geometry profile for FSN process	published 2018/11/04/36/14 30/11/2018	Product
Dr. G. Srinivas Reddy	Measuring Instrument	Filed 30/07/2015	Measurement

10. Areas of consultancy and income generated

Areas of consultancy	Income generated
NIL	NIL

11. Faculty serving in National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of the Faculty	Name and details of the committees
Dr. V. Phavindra Bogue	Reviewer of 1) Medical Engineering & Physics Journal 2) Medical & Biomedical Engg & Computational 3) IE Springer & C Journal.

12. How many students have cleared Civil Services and Defense Services examinations, GATE and other competitive examinations

Name of the Student	Name and details of the Examinations
Rajkirthi wadandavara	IELTS
B. Pavan Kumar	IELTS
Gokarna Raj Yeghala	IELTS
Koushik Kumar Gopurthy	IELTS & GRE
Saikumar Konidava	IELTS
Ambaji Satish & Vasanth Kumar	PGETES
Sai Pavan Panna	→ IELTS
Manish Giripati	GRE

13. Faculty recharging strategies (Orientation programs, workshops, training programs and similar programs)**

1. FDPs attended by the faculty
 - (i) National: 22
 - (ii) International: NIL
2. Conferences attended
 - (i) National: NIL
 - (ii) International: NIL
3. Workshops attended
 - (i) National: 11
 - (ii) International: NIL
4. Short Term Training attended
 - (i) National: NIL
 - (ii) International: NIL

****Attach a separate sheet for details**

14.

Student projects

Percentage of students who have done in-house projects including inter-departmental projects	100 %.
Percentage of students doing projects in collaboration with other universities/ industry/ institute	NIL

15.

Awards /recognitions received at the national and international level by Faculty Doctoral/post doctoral fellows Students

Name and Details of the Award/Recognition received	National/ International	Name of the Faculty/Student	Faculty/ Student
NIL	NIL	NIL	NIL

16.

Faculty Guiding Research

Faculty Guiding Research	Registered This Year	Active
From the host institution / university	—	03
From other institutions / universities	—	NIL

Nb. of Research Scholars

—

03

17. Infrastructure And Laboratory Details:

Number of Class Rooms With ICT Facilities	12
Number of Class Rooms Without ICT Facilities	N/L
Number of Tutorial Rooms	N/L
Number of Student Laboratories With Names and Stock Verification	11

Room No	Name of the Lab
B-001,102,202	Engineering workshop laboratory
S-001	Mechanics of solids laboratory
S-203	Metallurgy and material science laboratory
S-003	Fluid mechanics and hydraulic machinery laboratory
B-101	Production technology laboratory
C-304	Advanced communication lab
B-002	Thermal laboratory
B-001	Metrology and machine tools laboratory
S-101	Heat transfer laboratory
S-202	CAD/CAM laboratory
S-301	Mechanical measurements and instrumentation laboratory

Number of Research Laboratories

S.No	Name of the Research Laboratory
1.	<i>MED Research lab</i>

Number of Softwares Available

Name and details of the Software	No of Users
Auto cad 2016 (Open source)	30
Edge cam (licensed)	5
Solid works (licensed)	36
Ansys (licensed)	25
Creo (licensed)	10

Number Of Computers In Student Laboratories	90
Number Of Computers For Faculty And Office	10
Books In Department Library	295
Internet Facilities	Yes

18.



Placement Activities :

No. of companies Visited	18
No. of Placements offered	124
Average Salary offered	2.5 LPA
Off campus placements (%)	10
On campus Placements (%)	90
Existence of training & Placement Office in the Institute :	Yes

19. Quality Improvement

S.No	Parameter	Status (YES/NO)	File Name/File No
a).	Minutes of the Department Meetings	Yes	VIT/ME/2018-19/1
b).	Best practices implemented	Yes	VIT/ME/2018-19/2
c).	Innovations by faculty/ students	Yes NIL	NIL
d).	Student Mentoring	Yes	Mentor books
e).	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Yes	VIT/ME/2018-19/3

COMMENTS OF THE AUDITORS:

Auditors		Signature
Auditor-1 Name: Dr. K. Kishore Designation: Professor Department: Mechanical Engineering Date: Vels College of Engg		
Auditor-2 Name: Dr. Nabeesh Khan Designation: Associate Professor Department: Sharda College of Engineering Date: Hyderabad		
Auditor-3 Name: Dr. G. Harigopal Designation: Professor Department: ACE College of Engg. Date:		