



## **VISVODAYA TECHNICAL ACADEMY**

KAVALI, S.P.S.R. NELLORE Dist. – 524 201.

Website: [www.visvodayata.ac.in](http://www.visvodayata.ac.in)

Tel.: 08626-240056, 242422



### **PBR VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE**

(Affiliated to JNTUA, Approved by AICTE & Accredited by NAAC with A Grade)

**PROSPECTUS:2018-19**



### **VISVODAYA ENGINEERING COLLEGE, KAVALI**

(Affiliated to JNTUA, Anantapuram and Approved by AICTE)

## INSTITUTE VISION AND MISSION:

### Vision :

To be a center of learning in Engineering and Management education with social commitment.

### Mission:

- Impart quality teaching-learning practices in engineering and management education
- Involve the faculty and students in acquiring current developments.
- Inculcate innovative ideas and implement research activities in multi-disciplinary areas with social commitment.

### COURSES OFFERED:

The in-take details of Visvodaya Technical Academy are as follows:

<b>PBR VITS (EAMCET CODE: VITK)</b>	<b>VEC (EAMCET CODE: VCKV)</b>
<b>UG Programmes :</b>	<b>UG Programmes :</b>
Electronics & Communication Engg. :240	Electronics & Communication Engg. :240
Computer Science Engineering :180	Computer Science Engineering :120
Electrical & Electronics Engineering :120	Civil Engineering :120
Mechanical Engineering :120	
<b>PG Programmes :</b>	<b>PG Programmes :</b>
M.Tech. in VLSID : 30	
M.Tech. in PE : 18	M.Tech. in Structural Engg. : 30
M.Tech. in MD : 24	M.Tech. in Highway Engg. : 24
MCA : 60	M.Tech. in CSE : 18
MBA : 120	MBA : 120
<b>Research Programme :</b>	
Ph.D. in ECE : 04	

All the programs offered, are recognised by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu and approved by the All India Council for Technical Education (AICTE), New Delhi. The College follows the regulations and syllabi of JNTUA and evaluation is done according to the norms of the University. The durations of the programs are as follows:

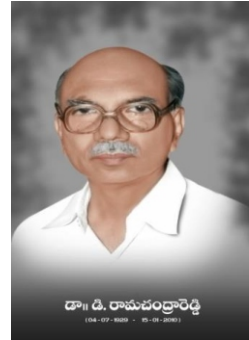
B.Tech	: 8 semesters (4 years)
M.Tech	: 4 semesters (2 years)
MCA	: 6 semesters (3 years)
MBA	: 4 semesters (2 years)

## ABOUT VISVODAYA

Vision: "THAMASOMA JYOTHIRGAMAYA"

Visvodaya - "The Dawn of the New Universe"; where human personality develops and ripens into universal love and brotherhood irrespective of caste, creed, religion or region. It is a new world free from ignorance, prejudice and poverty. It is an eternal march for Visvodaya towards the cherished goal.

Visvodaya, an educational society established by **Dr. D. Rama Chandra Reddy** in 1951 to promote higher education to the community, especially to the poor and the downtrodden. This society envisioned itself not only as a centre of learning & education but also as an instrument of social-service. Its chief objectives are academic excellence, social justice, cultural richness and human ennoblement.



## ABOUT VISVODAYA TECHNICAL ACADEMY (VTA)

Parvathareddy Babul Reddy Visvodaya Institute of Technology and Science (PBR VITS) and Visvodaya Engineering College(VEC), both fall under the umbrella of Visvodaya Technical Academy (VTA).

PBR VITS, established in the year 1998, by the Visvodaya Society, is a reputed institution affiliated to JNTUA, Anantapuramu and approved by AICTE, New Delhi. PBR VITS is an ISO 9001:2008 Certified Institution which constantly strives hard to offer value based quality education and training to students. The college was accredited by NBA in 2010, accredited by NAAC with 'A' Grade in 2015 and has been awarded permanent affiliation by JNTUA Anantapuramu. Till date, 17 batches of students have successfully passed out and are well placed in different sectors all over India & abroad.

VEC, established in the year 2008, by the Visvodaya Society, is affiliated to JNTUA, Anantapuramu and approved by AICTE, New Delhi. Till date, 7 batches of students have successfully passed out and are well placed in different sectors all over India & abroad.

Under the able guidance of **Shri D.Vidyardhara Kumar Reddy**, *Chairman*, and **Dr. D.Prathyusha Reddi**, *Academic Director*, the institute is continuously striving to meet the needs of the Industry through these educational institutions.



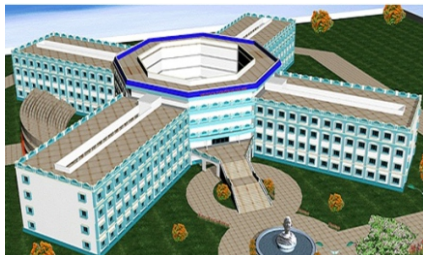
**Shri D.Vidyardhara Kumar Reddy**,  
Chairman



**Dr. D. Prathyusha Reddy**,  
Academic Director

## The College and the Sprawling Campus

The College has a uniquely designed and well maintained campus of over 25 acres. The College is housed amidst lush green fields, in serene environment, free from pollution and conducive for the pursuit of education.



## Laboratories and Class Rooms:

The College is well provided with spacious, well-designed, adequately furnished classrooms having LCD Projectors. All the laboratories of engineering and sciences are provided with latest equipment. The laboratories and workshops are fully equipped with the state-of-the-art facilities; Particularly the Computer labs, CAD/CAM Center, Internet centre and Language Lab are value added assets to the college.



Faculty members teach the subjects as per the JNTUA syllabus and conduct lab experiments as per lesson plans and lab schedules respectively. To keep students abreast with the latest trends and advancements in the technologies, new sessions and experiments are made part of teaching-learning process.

## Students

At present about 4000 students are currently pursuing U.G program of B.Tech in various disciplines and P.G programs of M.Tech., MCA and MBA. The students are constantly monitored with respect to their performance and discipline inside the campus.

## Student counselling & feedback

Counsellors are appointed to guide the students and they counsel students once in a week to assess their performance and activities. Parents are periodically briefed and kept updated about the performance of their wards by letters and over phone.

## ACADEMIC DEPARTMENTS

### CIVIL ENGINEERING

#### Laboratory Facilities (As per Syllabus) :

- Surveying Lab
- Strength of Material Lab
- Fluid Mechanics & Hydraulic Machinery Lab
- Engineering Geology Lab
- Geo Technical Engineering Lab
- Concrete Technology Lab
- Transportation Engineering Lab
- CAD Lab
- Environmental Engineering Lab

#### Additional Lab facilities to meet the Industry requirement:

- Highway Engineering Lab
- Concrete Design Lab



#### Subjects for I Year (R15 Regulation) :

Civil Engineering	
I Semester	II Semester
Functional English	English for Professional Communications
Mathematics – I	Mathematics – II
Computer Programming	Engineering Mechanics
Engineering Physics	Engineering Chemistry
Engineering Drawing	Environmental Studies
Eng. Language Communication Skills Lab	Applied Mechanics Lab
Engineering Physics Lab	Engineering Chemistry Lab
Computer Programming Lab	Engineering & IT Workshop

## **ELECTRICAL & ELECTRONICS ENGINEERING**

### **Laboratory Facilities (As per Syllabus) :**

- Basic Electrical & Electronics Engineering Lab
- Electrical Circuits Simulation Lab
- Electrical Technology Lab
- AC and DC Electrical Machines Lab
- Control Systems & Simulation Lab
- Electrical Measurements Lab
- Simulation of Electrical Systems
- Power Electronics & Simulation Lab
- Power Systems & Simulation Lab
- Digital Signal Processing Lab
- Electrical Workshop

### **Additional Lab facilities to meet the Industry requirement:**

- Power Converters Lab
- Embedded Systems Lab



### **Subjects for I Year (R15 Regulation) :**

<b>Electrical &amp; Electronics Engineering</b>	
<b>I Semester</b>	<b>II Semester</b>
Functional English	Mathematics – II
Mathematics – I	English for Professional Communication
Computer Programming	Engineering Chemistry
Engineering Physics	Environmental Studies
Engineering Drawing	Electrical Circuits – I
Eng. Language Communication Skills Lab	Engineering Chemistry Lab
Engineering Physics Lab	Electrical Circuits Lab
Computer Programming Lab	Engineering & IT Workshop



## MECHANICAL ENGINEERING

### Laboratory Facilities (As per Syllabus) :

- Thermal Engineering Lab
- Mechanics of Solids Lab
- Computer Aided Drafting Lab
- Fluid Mechanics & Hydraulic Machines
- Manufacturing Technology Lab
- Production Technology Lab
- Machine Tools Lab
- Metrology Lab
- Computer Aided Engineering Lab
- Heat Transfer Lab
- Engineering Workshop

### Additional Lab facilities to meet the Industry requirement:

- Robotics Lab
- Advanced Manufacturing Lab



### Subjects for I Year (R15 Regulation) :

Mechanical Engineering	
I Semester	II Semester
Functional English	English for Professional Communication
Mathematics – I	Mathematics – II
Computer Programming	Material Science & Engineering
Engineering Chemistry	Engineering Physics
Environmental Studies	Engineering
Eng. Language Communication Skills Lab	Material Science & Engineering Lab
Engineering Chemistry Lab	Engineering Physics Lab
Computer Programming Lab	Engineering & IT Workshop

## **ELECTRONICS & COMMUNICATION ENGINEERING**

### **Laboratory Facilities (As per Syllabus) :**

- Electronics devices & circuits lab
- Basic Simulation Lab
- Electronic Circuits Analysis & Design lab
- Analog and Digital Communications lab
- VLSI Lab
- Micro Processor & Microcontrollers lab
- Embedded Systems Lab
- DSP lab
- Microwave lab & Optical Communication lab
- IC-applications lab

### **Additional Lab facilities to meet the Industry requirement:**

- Lab VIEW
- High Frequency Structure Simulator(HFSS)
- Antenna fabrication & testing
- Software Defined Radio(SDR) system



### **Subjects for I Year (R15 Regulation) :**

<b>Electronics &amp; Communication Engineering</b>	
<b>I Semester</b>	<b>II Semester</b>
Functional English	English for Professional Communication
Mathematics – I	Mathematics – II
Computer Programming	Network Analysis
Engineering Chemistry	Engineering Physics
Environmental Studies	Engineering Drawing
Eng. Language Communication Skills Lab	Network Analysis Lab
Engineering Chemistry Lab	Engineering Physics Lab
Computer Programming Lab	Engineering & IT Workshop



## COMPUTER SCIENCE ENGINEERING

### Laboratory Facilities (As per Syllabus) :

- C-Programming Lab
- Java Programming Lab
- Database Management systems Lab
- UML Lab
- Linux Programming Lab
- Object Oriented Analysis and Design Lab
- Software Testing Lab
- Operating Systems Lab
- Web and Internet Technologies Lab
- Data Warehousing & Mining Lab
- Grid & Cloud Computing Lab
- Mobile Application Development Lab

### Additional Lab facilities to meet the Industry requirement:

- Android applications
- Multimedia and Web designing



### Subjects for I Year (R15 Regulation) :

Computer Science Engineering	
I Semester	II Semester
Functional English	English for Professional Communication
Mathematics – I	Mathematics – II
Computer Programming	Data Structures
Engineering Physics	Engineering Chemistry
Engineering Drawing	Environmental Studies
Eng. Language Communication Skills Lab	Data Structures Lab
Engineering Physics Lab	Engineering Chemistry Lab
Computer Programming Lab	Engineering & IT Workshop

### **R & D CENTRE :**

The institute has good research facilities required for top class engineering education. A Research and Development laboratory has been established in the Institute to carryout innovative projects by the students under the guidance of expert faculty members.

JNTUA has recognized ECE Department as a Research centre in 2017-18 for full time Ph.D. Program and presently 4- full time research scholars are pursuing Ph.D in Electronics and Communication Engineering.

### **R & D Facilities :**

- Lab VIEW with associated hardware
- HFSS software to design and simulate complex RF electronic circuit element.
- Antenna fabrication and test facility to realize and test low profile antennas.
- Software Defined Radio system to simulate wireless transmission.
- Los Angeles Abrasion Testing Machine
- Compression Testing Machine
- Accelerating Curing Tanks, Marshall's Stability Apparatus
- CNC Milling Machine, Electrical Discharge Machine (EDM)
- 3-D Tool dynamometer, Laser Doppler Vibrometer

### **Funded Research Projects :**

Year	Nature of the Project	No.of Projects	Amount	Funding Agency
2011-12	MODROBS	2	22.5 Lakhs	AICTE
2012-13	Seminar	1	0.3 Lakhs	DST
2013-14	FDP	1	6.65 Lakhs	AICTE
	Minor Research projects	4	16.2 Lakhs	UGC
2014-15	Minor Research project	4	15.7 Lakhs	UGC
2015-16	Major research project	1	33.4 Lakhs	DST
2016-17	Adjunct Faculty	1	6 Lakhs	AICTE
	Minor Research project	2	5.95 Lakhs	UGC
2017-18	Fund for Improvement of Science and Technology Infrastructure	1	80 Lakhs	DST

### **Industry - Institute Interaction cell**

The Industry-Institute Interaction cell helps students to acquire information about the latest technology, trends and expectations of the industry. The institution with the help of this cell effectively uses the expertise from industries. There are formal memoranda of understanding signed mutually by the industries and the institution to this effect. This cell aims at initiating consultancy, research and developmental activities

### TRAINING & PLACEMENT CELL

VTA has an active and fully equipped Training and Placement Cell headed by Dr. B. Vamsee Mohan and he is assisted by placement coordinators from various departments. The Cell has been playing the dual role of assessing the ever-changing industrial requirements and harnessing inherent talents of the students. The students are guided for Off-campus and On-campus interviews.

The Cell also conducts regular aptitude and soft skills classes along with tests, group discussions and mock interviews to train the students for placement selection examinations.

Academic Year	Total no. of students placed
2014-15	86
2015-16	132
2016-17	146
2017-18	201

### PLACEMENT DETAILS : 2017-18

S.No	Name of the Company	No. of students selected					Total	Salary Package (Per Annum)
		CSE	ECE	EEE	ME	CE		
1	SUNNERATECH	8	2				10	3.0 Lakhs
2	MPHASIS	13	7	2			22	2.5 Lakhs
3	GT KONNECT	2					2	3.0 Lakhs
4	HIDDEN BRAINS INFOTECH	8	8	1			17	2.53 Lakhs
5	TUDIP TECHNOLOGIES	8					8	3.0 Lakhs
6	TALENTIO	1	1	1			3	3.0 Lakhs
7	MIND INVENTORY	1	4				5	1.8 Lakhs
8	VIRTUSA POLARIES	2					2	3.3 Lakhs
9	SNOVASYS	1					1	1.8 Lakhs
10	MIRACLE SOFTWARE SYSTEMS	3	2				5	1.8 Lakhs
11	FIORANO SOFTWARE	1					1	3.0 Lakhs
12	MOBIUS	11	13	3			27	1.51 Lakhs
13	NORWIN TECHNOLOGIES	1	3	1			5	3.6 Lakhs
14	ASTRO MICROWAVE		3				3	2.0 Lakhs
15	FOCUS ACADEMY		2				2	2.64 Lakhs
16	INDIA NIC INFOTECH LTD	8	8	1			17	2.64 Lakhs
17	SUTHER LAND	2	2				4	2.6 Lakhs
18	ACCURATE STEEL FORGINGS INDIA LTD				8		8	1.8 Lakhs
19	JAYASREE POLIMERS				20		20	2.1 Lakhs
20	AADHAR HOUSING FINANCE					17	17	3.0 Lakhs
21	JASMIN INFOTESH	3					3	2.75 Lakhs
22	WIPRO			3	15		18	1.5 Lakhs
23	ORACLE	1					1	4.2 Lakhs
	<b>Total</b>	<b>70</b>	<b>58</b>	<b>12</b>	<b>43</b>	<b>17</b>	<b>201</b>	

## **LIBRARY AND THE INTERNET**

The Library & Internet centre act as prime source of knowledge enrichment for students and faculty members seeking latest development in the technological world. The College has good Library, Computing and Internet Facilities. The library has about 40,700 volumes (7,800 titles), both National & International journals, e-Journals and NPTEL learning material including video courses. Digital Library is accessible to all the students. The internet facility is opened for students and staff from 8.00 A.M. to 6.00 P.M. every day with a connectivity of 10 Mbps, and is extensively used by students and faculty members.



The College has a well-equipped modern library. The books are classified and arranged according to the Dewey Decimal Classification (DDC) scheme and "OPEN ACCESS" system is followed. The library has computerized catalogue. Books are issued to students with bar-coding Systems.

## **CO/EXTRA-CURRICULAR ACTIVITIES**

In order to encourage students' innate talents, the college cultural committee conducts events like Essay writing, General Quiz, Dumb-charades, Elocution, Mimicry, Extempore, Singing, Skit etc. It gives the students a chance to prove their talents, display their leadership qualities and to unleash their latent and hidden talents.

## **National Service Scheme (NSS) Activities**

Our college has NSS unit, which has established a meaningful linkage between the campus and the community. Activities like Blood donation camps, Distribution of relief items like clothes, food packets & utensils for the affected people during natural disasters like floods & Tsunami which also includes the donation of one day salary from all the staff members of our college. Road safety rallies, Temple renovation, Eye camps, Anti-pollution drives, Clean & Green Campus are some of the general socio environmental related works undertaken by our students.

### **National Cadet Corps (NCC) :**

- The college has NCC unit
- Daily camps, weekly camps and State/ National selections of NCC are conducted in the college campus.
- College provides infrastructural support to conduct B and C certificates exams.



### **Cultural Activities**

- Provision is made in the academic calendar to conduct cultural activities and competitions in the college auditorium
- Prizes are awarded to the winners on College Annual Day.

### **Sports & Recreation**

Sports & Recreation are interesting activities for all ages and a powerful medium for interaction with other institutions.

#### **Facilities:**

- Outdoor games – Sports ground for cricket, football, Badminton, Volley Ball, Basket Ball, and Tennis, are available and regularly maintained.
- Indoor games – Table Tennis, Chess, Caroms, Shuttle cock
- Well furnished gymnasium and Indoor Stadium are also available

All the sports activities are conducted by our physical directors separately for boys and girls. Sports day is celebrated in the campus every year to provide an opportunity to the students to exhibit their talents in sports.



## Transport system

The College owns a fleet of 24 buses to accommodate about 1000 students and staff for commuting to college from Nellore and other surrounding places. The college provides transport facilities for off-campus and Industrial visits as part of academic requirements.



### Bus facility available from

- Nellore
- Kovur
- Buchi
- Rajupalem
- Kodavaluru
- Alluru
- Bitragunta
- Vinjamur
- Kaligiri
- Kandukuru
- Kavali Town

## Hostel & Canteen

Furnished Hostels are available in-campus for the students with specialized facilities for Boys and Girls. This Hostel is provided with Computer facility, RO system and stores to cater to the needs of students. Separate hostels for senior boys and Junior boys are available. The canteen inside the campus provides hygienic refreshments to staff and students.

- Senior Boys Hostel - 500 capacity
- Junior Boys Hostel - 250 capacity
- Girls Hostel - 800 capacity





- The rules and regulations provided to the students at the time of admission will be strictly followed. Violation of the rules and regulations will lead to strict disciplinary action against the student.
- Daily attendance is taken for every inmate of the hostel.
- The Girl students are not permitted to leave the hostel without out-pass as per declaration given by their parents.
- Very good security is provided for the safety of the hostel students.

### Guidelines to Students :

- Dress code** : It is mandatory for the students to follow the stipulated dress code as per the conduct rules of the college in the college premises.  
**Dress code for boys:** **Black shoe & formal dress with in-shirt.**  
**Dress code for Girls :** **Chudidaars/Panjabi dress with Cut-shoe.**
- ID Card** : All the students must wear ID cards always in the campus
- Punctuality** : All the students shall reach their respective class rooms 5 min. earlier to the college timings.
- Attendance** : All the students must attend all the classes regularly without fail. They shall take prior-permission to take the leave.  
**Aadhar enabled biometric attendance is mandatory.**
- Permissions** : The students are not allowed to leave the classes without written permission from their respective class I/c or HOD.
- Discipline** : The students must maintain discipline in the class rooms, corridors and campus as per the instructions given by HOD.
- Examinations** : It is mandatory to write all **Unit Tests** and **MID exams** as per the schedule to assess the progress of students and to take remedial measures for obtaining good results.

### Tentative Schedule of Class work and Examinations for I B.Tech.

1 st week	Orientation classes
2 nd & 3 rd weeks	Class work
4 th week	UNIT-1 exam
5 th & 6 th weeks	Class work
7 th week	UNIT-2 exam
8 th Week	Class work
9 th week	MID-1 Examination
10 th & 11 th weeks	Class work
12 th week	UNIT-3 exam
13 th & 14 th week	Class work
15 th week	UNIT-4 exam
16 th week	Class work
17 th week	MID-2 Examination
18 th week	Lab Exams
19 th & 20 th weeks	UNIVERSITY EXAMS

## CENTRAL AMENITIES

- Backup power supply for Library, Computer Center, Labs & Class rooms
- Generator facility
- Central /Individual Air-conditioning
- Canteen
- Language lab
- Bank
- ATM
- Open air-theatre /Auditorium
- Transport
- Girls Waiting Hall
- Guest House
- RO system for drinking water

## HIGHLIGHTS OF VTA

- Qualified and Dedicated faculty
- Spacious class rooms with LCD projectors
- Well equipped labs with latest equipment and Software
- Research and Development activities
- JNTUA - R & D centre
- Central Library with more than 40,000 volumes
- Digital Library
- High speed Internet
- Wi-Fi enabled campus
- Accredited by leading MNCs
- Excellent training and placements
- In-house training on Soft skills and Technical skills
- Career Guidance Cell
- Personality Development Programmes
- Guest lectures, Seminars and Industrial Visits
- Co-curricular and Extra-curricular activities
- Technology forums, department wise student chapter and hobby clubs
- Indoor & outdoor Sports and Games
- Hostel facilities for Boys and Girls
- Bus facility from Nellore and nearby places

CAMPUS	CONTACT DETAILS
<b>Visvodaya Technical Academy</b> (PBR VITS & VEC) Kavali, SPSR Nellore (Dist.) Andhra Pradesh – 524201.  Ph : 08626-240056, 242422 <a href="http://www.visvodayata.ac.in">www.visvodayata.ac.in</a>  Principal, PBRVITS : 9291856651 Principal, VEC : 9291856652 Academic Office : 9849417718	I Year : 9603156520 ECE : 9246428704 CSE : 9246428705 EEE : 9246428702 ME : 9246428703 CE : 9951993098 MBA : 9666179237 MCA : 9581219956 M.Tech. : 9440487335 Placements : 9246428710 Exam S/c : 9246428707 Transport : 9246428708