



Vedang Institute of Technology

Driven to Excel.....



VEDANG INSTITUTE OF TECHNOLOGY

VEDANG

ACADEMIC BLOCK-1



Programmes Offered

(B-TECH 4 - YEARS FULLTIME)

- | | |
|--|---|
| ● Mechanical Engineering (MECH) | ● Computer Science & Engineering (CSE) |
| ● Electrical & Electronics Engineering (EEE) | ● Electronics & Telecommunication Engineering (ETC) |
| ● Civil Engineering (CIVIL) | ● Metallurgical Engineering (META) |

DIPLOMA 3 YEARS FULL TIME

- | | |
|--|---------------------------------|
| ● Electrical & Electronics Engineering (EEE) | ● Mechanical Engineering (MECH) |
|--|---------------------------------|

Bhubaneswar

Approved By : AICTE, NEW DELHI

Affiliated to : Biju Pattnaik University of Technology (BPUT), Rourkela
& SCTE & VT, Bhubaneswar

For More Details Log on to www.vedang.in

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Prabhat Kumar Satapathy
Chairman
Vedang Institute of Technology
Bhubaneswar

VEDANG has been envisioned as an institution of excellence with main focus on building capabilities of the students with holistic development of their Personality. This is to be achieved through comprehensive education & synthesizing in its educational processes, professionalism with technological and managerial knowledge in a conducive environment created through good house – keeping, beautiful landscaping, adequate facilities & discipline life style.

Engineering is the profession in which the knowledge of mathematical sciences is gained by study, experiences and practices applied with judgment to develop way to utilize economically, the materials and of nature for the well being of mankind. The knowledge has always been the prime mover of power and prosperity. It is not so much “what you teach” as it is “how you teach”. The “how” involves attitude of staff and the student that contributes to the future judgment and professional awareness.

Incidentally in the 21st century a new society is emerging where knowledge is the primary production resource instead of capital and labour. I assure you that our faculty & staff will be there to make certain that you gain the education you need in order to succeed, not only at VEDANG but in your chosen place of professional career. We remain committed to give justice to this noble profession.

VEDANG INSTITUTE OF TECHNOLOGY

ACADEMIC BLOCK



Prof (Dr.) Pradyumna Kumar Mohapatra
Principal
Vedang Institute of Technology
Bhubaneswar

Vedang Institute of Technology has fast emerged as a centre of excellence in the field of technical education. With a span of only few years, Vedang has engraved its place among the top technical institutions in the country. Today, Vedang institute of technology has become the most preferred and sought after destination for pursuing technical education not only in the state of Odisha but also in the entire country and abroad. The institute owes the success to its flexibility to meet the challenge of the changing demands of the stake holders and the society at large.

Our agenda goes beyond grooming young minds into competent technocrats and the institute lays utmost importance for all-round growth of personality of the students so that they flourish into responsible citizens. We have spelt out our vision and mission and the institute dedicates itself to work harder and faster to make all our dreams come true.

I am glad enough to state without any reservation that Vedang institute of technology has been maintaining a high standard of academic discipline and providing world class facilities for education delivery and working relentlessly to make its students capable, responsible, and socially concerned citizens. In our pursuit to produce high quality technical human resource, the institute focuses and takes utmost care both in curricular and extra-curricular aspects. With highly qualified and dedicated faculty members, well developed ultra-modern laboratories and unique architecture of buildings, Vedang will occupy a very top position at the National and International level in the ensuing future by producing quality technocrats and meeting the global requirements of industries

I welcome all the enthusiastic aspirants to explore this vibrant adobe of learning at Vedang institute of technology and wish them a very very bright future.



Our Vision

Vedang Institute of Technology envisions an ambience of excellence, inspiring value based education, Research for Development and to create an enabling environment where the technology is used for the benefit of mankind as well to develop creative and innovative professional of multi-faceted personality through an interactive teaching and learning models with due consideration to ethics and values of individual core competency.

Our Mission

We, at Vedang Institute of Technology commit ourselves:-

- To impart high quality technical knowledge and train students with world-class competencies and cutting edge proficiency to face challenges of global market with confidence.
- To this end, Vedang Institute of Technology aims to build & retain highly proficient faculty through appropriate human resource policies and use of modern educational tools comparable to any international institute of excellence.
- To provide an environment which is conducive to the development of overall personality of the students so that the student becomes productive and useful members of the society upon graduation
- To create an effective interface with industry, business & community to make education responsive to changes.



CAMPUS

The Institute is located on the outskirts of Bhubaneswar on Khurda-Bhubaneswar National Highway. The Institute has an ultra-Modern infrastructure of over one and half lacs sq.ft. built-up space in the 2nd year of its existence, sprawling over 50 acres of land. The lush green campus, the peaceful and tranquil atmosphere is quite alluring and conducive to academic excellence. The Wi-Fi campus houses, a well equipped computer laboratory along with internet kiosks having 24 hours connectivity in addition to well-stocked library, multi-purpose halls, and state-of-art classrooms.

RECOGNITION & AFFILIATION

Vedang Institute of Technology is approved by All India Council for Technical Education (AICTE) Ministry of HRD, Govt. of India, New Delhi & affiliated to Biju Pattanaik University of Technology (BPUT), Rourkela, Odisha, & approved by Directorate of Technical Education & Training (DTET), Ministry of Industries, Govt. of Odisha.

VARIOUS DISCIPLINES AT VEDANG



Programme	Discipline	Duration	Intake	No. of seats in Lateral Entry
Diploma	EEE	3 Years	60	6
Diploma	Mechanical	3 Years	60	6
B.Tech	CIVIL	4 Years	60	6
B.Tech	Metallurgy	4 Years	60	6
B.Tech	Mech Engg.	4 Years	60	6
B.Tech	ETC Engg.	4 Years	60	6
B.Tech	EEE Engg.	4 Years	60	6
B.Tech	CSE Engg.	4 Years	60	6

ELIGIBILITY FOR ADMISSION:

Candidates should have qualified through OJEE conducted by the State Govt. or by AIEEE under CBSE, New Delhi.

They should have passed the Higher Secondary (10+2) with Physics, Mathematics, Chemistry as compulsory subjects & one of Computer Science/Electronics/Biology as Optional Subjects.

For admission to Second year through Lateral Entry, the students should pass Diploma Engineering in corresponding branch with minimum 60% of marks and qualified through OJEE

Eligibility for Diploma Admission:

Candidates must have passed Class 10 examination

Diploma Lateral Entry:

Students can directly join 2nd year Diploma course after completion of +2 Science with Mathematics as a compulsory subjects or must have passed ITI.

Eligibility of B.Tech

Candidates must pass 10+2 intermediate or its equivalent examination from any recognized board.

Eligibility of B.Tech Lateral Entry:

Student can directly join 3 years B.Tech course after completion of Diploma in Engineering or +3 Science with Mathematics as compulsory subjects



INFRASTRUCTURE AND FACILITIES



CENTRAL LIBRARY

The central library of Vedang Institute of Technology stands proudly at its very adjacency to the academic block-I. Library is the important constituent of every institution and shoulders a great responsibility in harnessing the utilization of the information. The library is fully computerized and air-conditioned



with self developed software which facilitates easy access to all users. A large number of technical and general books adorn the walls of the library. Leading National and international journals, Periodicals, Encyclopedias, Classics of both National and International repute as well as the latest titles in the field of engineering. And allied disciplines are subscribed to the central library. Variety of magazines and news paper provide information to keep the students abreast of the latest development. The spacious environment friendly reading room of library can accommodate more than 100 students at a time.

The electronic library is facilitated with internet connectivity and LAN along with Leased line connection which enables the students and staff to have direct access to the latest publications in various fields of engineering and science. Each student of Vedang Institute of Technology is provided with a library card through which he/she can borrow required no. of books for a given period.

COLLEGE CANTEEN / CAFETERIA



The institute provides canteen facility to cater to student's culinary needs. The institute cafeteria is the coveted rendezvous of connoisseurs to unwind their taste of recipes and Hot & Cold beverages served by the college cafeteria which nurtures a vociferous demand during and after the busy academic sessions. The student here relish toothsome dishes of desserts and viands to quench their untiring thirst and hunger. The cafeteria offers cold drinks, fruit juice, ice-cream. Assorted snacks south and North Indian dishes catching the imagination of young hearts

TRANSPORT

The institute runs busses from Bhubaneswar, Cuttack, Khurda & Jatni to ply the students from their own convenient places as scheduled by the college administration through the transport department. The institute transport department is very well organized and it provides service to make the travel from homes and hostel hassle free. The transport section also helps the students by organizing study tours and technical visits.



GYMNAIUM

Our vision is to provide our best in transforming every individual with physically, mentally, and spiritually well being fitness development to increase their all round development abilities with our high end infrastructure called "Gymnasium"



SPORTS



HOSTEL

Separate Hostel accommodation is available both for boys and girls students within the campus. The hostels provide modern spacious and well furnished accommodation to the students. The hostels are provided with all modern amenities like LCD television, telephone booth, e-magazines, news papers and broad-band internet connection with computing facilities to each room. The hostels provide excellent study atmosphere, a comfortable and secured stay. Care is taken to provide good sanitation, hygienic surroundings and medical facilities. Reasonable price messing facilities is provided through caterer. A full time warden is assigned to each hostel, who acts as a guide, philosopher and friend and at the same time maintains strict discipline in the hostel and provides constant moral support to the students. Utmost care is taken by administration of Vedang Institute of Technology, who make the students stay very comfortable hassle free to give the filling “A HOME AWAY FROM HOME” to the students.



INTERNET / WI-FI CAMPUS

The age of information superhighway and rapidly changing technology creates many opportunities and challenges for which knowledge of internet and its accessibility is highly desirable. Keeping this essential requirement in mind, Internet facility is made available for all round the clock through out the year. Wi-Fi of latest capacity which is installed to facilitated on the users using their Laptops any where within the campus. Through the internet lab the students explores latest information in their respective areas of interest and more than hundred computers in the internet lab are LAN connected through Managed switch and CAT-6 cabling. The lab is powered by BSNL broad band as well as microwave radio links and backed by 20 KVA UPS with two hours backup



Health Care DISPENSARY



Ultramodern and well equipped dispensary having full time qualified doctor with ambulance facility and first aid provision for minor ailments is available within the college campus. Two numbers of ambulances are always available inside the college premises in order to meet the emergencies and to look after the general state of health of students in the institute as well as the hostels. Different specialist visit the college campus as well the college hostel at least twice a month to ensure good health of the day scholars, staff and inmates of the hostel.

- In-campus Medicine specialist & pharmacist for student consultation
- Round the clock ambulance facility.

HUMAN RESOURCE DEVELOPMENT

HRD CELL:

In Academic institution the need of human resource development has increased manifold in order to enhance the efficiency and effectiveness of the employees. At Vedang Institute of Technology the HR department keeps round the clock vigil on the welfare and performance of each and every employee. New HR polishes are planned and implemented from time to time which encourages all employees to achieve their personal goals.

The HRD cell supports the human resource needs of the institution as and when required & also works continuously for the overall growth & development of the institution's most valuable resource "Its People". In addition to that the HRD cell also works in a very organized fashion to attract & retain quality faculty & staff.

T & P CELL:

At Vedang Institute of Technology, Training and Placement has a different meaning to us, where we reset, understand and fulfill the carrier needs of each and every student of ours. The placement cells identifies the industry needs and demands from time to time and prepare its Graduating Engineering students who are on the threshold of exciting carrier in the field of technology.

Training and placement office of the institute facilitates the campus recruitment program for all the disciplines. The placement office initiate and nurtures contact with leading industries, multinationals and software organizations for campus visit and is functional throughout the year. It Endeavors to match aspirants of the student with the needs of industries. It also assists the students for Summer /Winter industrial training and visit. In order to bridge the gap between individual student's competency level and industries standard, the T & P cell organizes several programs as given below so as to groom the students to become more confident and perfect individuals.

Personality Development.

- Pre-Placement Training.
- Interpersonal communication skill.
- Mock interviews.
- Situational conversion.
- Group discussion.
- Carrier planning and carrier mapping.
- Extempore.



R & D CELL:

Standard of an institution is compared and judged at National/International level by its contribution to research and development activities. Keeping this in view, Vedang Institute Of Technology has already set up a separate research wing with adequate infrastructure support, well equipped research laboratory, 24 hour internet service, a resourceful library with top ranking international and national journals. The R & D cell also planning to extend consulting activities to various core industries as well as software sectors and hence in this regard a well trained and dedicated team have been allocated to the R & D. It also provides high end training to the employees of different industries and other technical institutions on recent engineering and technological tools. Various projects from government, private organizations have been under taken by the R & D wing of Vedang.



SPORTS AND CULTURE CELL :

A sports cell spearheads sporting activity (Outdoor games And Indoor games) under the supervision of a well trained sports officer. The sports and Cultural cell of Vedang encourages students to participate both in intra and inter- college cultural and sports activities besides their own annual sports meet in the campus. Well development playground for Football, Volleyball, Cricket, Badminton, Basketball, Table Tennis and Ultra Modern Multi Gym and a Yoga center adds many feathers to the cap of the institute. Under the tutelage of the dedicated staff of the sports and culture cell and with their constant support and encouragement, our students bagged several laurels in the university, District level competitions. The cell also organizes the annual sports meet and annual cultural festival every year with the help of student co-coordinators.

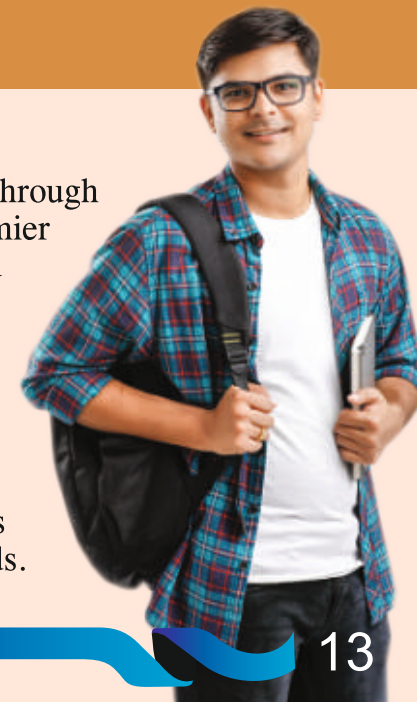
SALIENT FEATURES

ENRICHMENT PROGRAMME:

At Vedang Institute of Technology, Conferences, seminars, symposia and workshops are conducted periodically through out the year where corporate heads, entrepreneurs, academicians from different National/International level premier institutions are invited to share their experience and expertise from their respective fields with the students and faculty members.

CO-CURRICULAR ACTIVITIES:

Co-curricular activities of Vedang Institute brings out the hidden talents of the students to the fore. These activities provide a platform to the students to exhibit their potential and excel in their extra-curricular passions. Vedang Institute very well understands the present needs of the cultural activities apart from the academic requirements necessary for the students. Keeping this view different independent clubs have been set up to perform various activities as follows. Annually a chairman's trophy is awarded to the best performing students in the respective fields.



VEDANG LITERARY CLUB:

The Vedang Literary Club organizes its activities once in a week generally in the afternoon to promote the literary skills among the students, particularly in the area job, poetry competition, essay writing, story writing and story telling. In house jury members evaluate the participant's performance in league rounds.

VEDANG MUSIC CLUB:

Vedang Music club actively encourages the students in cultural activities such as music, acting, instrument playing etc. The club organizes its activities once in a week and each participants is allowed to perform or any musical instruments, or to recite any classical or light-vocal song for five minutes. The in-house jury members nominate six of the participants in league rounds for the final round. A panel of judges comprising of eminent personalities in the music world are invited to evaluate the participants in the final round.

(iii) VEDANG DEBATE CLUB:

Vedang debate Club organizes debates and group discussions on every weekend. Competitions are held in league basis to select the required number of best candidates for the final round. The Debate Club also strives to enhance the general awareness of the students and in this regard also separate competitions are organized on the week end days afternoon hours.

(c) SOCIAL CONCERN:

The Vedang institute has engaged itself in acting social service .The institutes well understands its responsibility for the social concerns, and keeping this philanthropic activities in viewer ,rural awareness fairs ,disaster management programmes are organized regularly so as to create an awareness in the society and equip or students to face the future social challenges. In times of natural calamities like cyclone or flood, Vedang institute extends all possible helps to the needy people and free aids are distributed to the under privilege people. Our students take active parts in N.S.S programmes conducted in the adjacent and neighbouring villages.

(d) YOGA AND MEDITATION:

Vedang institute has full time trend yoga practioner who looks into the well being of the students-both physical and mental .Yoga means union of the mind with the body and ultimately union of the soul with the Supreme being. The need to introduce yoga was felt as more and more students needed to calm and sooth their mind and acquire a healthy body. Students have found it as an effective mean to concentrate on studies and are able to hand instress more efficiently.

(e) QUALITY EDUCATION:

The institute is committed to impart quality education to the students and has highly developed infrastructure.

In this regard the institute is planning and working to earn ISO certification and other accreditation programmes (e.g.- NBA, NAAC) at appropriate times. Hard work, integrity and honesty is valued at its zenith.

(f) INDUSTRY TIE-UP:

To bridge the gap between industry requirements and students competency level as well as to enhance the placement, student project and above all R & D activities, the Institute has already planned and worked out to sign a number of MOUs with different MNCs like HP, Del, CISCO, D-LINK, ICS, MIND TREE, consulting and Hexaware technologies to establish their academic centre of excellence of Vedand Institute of Technology.



ABOUT THE DEPARTMENTS:

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



Electronics is considered as one of the most important invention in history. It is the only driving force of this information age that we live in and it touches nearly every aspects of our modern life. The field of electronics and communication engineering encompasses the knowledge of basic electronics, Components/Devices, communication principles, latest and modern affluences and gadgets used in the present day world. The system for sensing, transmitting and processing information are all based in electronics. The development of a country depends

upon the technology. It develops uses and experts with round the world R & D in the field of electronics and communication engineering and information technology, the electronics and communication engineers have a wide scope and opportunity to built their carrier any where in the world and hence there is a great demand globally. In order to conceive and grasp the basic principle and experimental skills in the field of electronics and communication engineering.

The department has recruited a highly qualified and dedicated team of faculty and also established various laboratories fully equipped with the modern and latest equipment for different laboratories as below,

- Basic electronics Engineering Lab.
- Analog electronics Circuit lab.
- Digital Electronics Circuit Lab.
- Micro Processor and Micro Controller Lab.
- Communication Engineering Lab.
- Digital Signal Processing Lab.
- VLSI Lab.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

From Electric Power Generation to Global Positioning Systems (Gps), Electrical And Electronics Engineering are On A great demand with a wide range of Technologies. The design, develop, test and supervise the deployment of Electrical and Electronic system. Keeping an eye on the industrial requirements, the EEE department has ultramodern facilities for providing industry oriented qualitative education in the fields of design of electrical transmission and distribution system, power flow studies, computation of short circuit currents, steady state and transient state, stability studies of power systems, computation of dynamic over voltages in power systems to the help of computer aided design labs. The department has the following well equipped laboratories with sophisticated equipments

procured from top National level manufacturers.

- Basic electrical engineering
- Net-work devices lab
- Electrical machine lab.
- Power electronics lab.
- Control & instrumentation lab.
- Measurement lab.
- Power system lab.
- Control and simulation lab using mat lab.



DEPARTMENT OF MECHANICAL ENGINEERING



Mechanical Engineering envisages the development design, manufacturing and maintenance of Machineries. The present age demands Mechanical Engineering specialists who have the capacity of adoptability and creativity in the new technical areas. The department aims at preparing students for a broad range of technical position throughout manufacturing enterprises that require people strong mechanical background having knowledge not only in their own specialized fields. But also in wide inter disciplinary fields. The departments have the following laboratories.



- Applied machines Lab.
- Machine dynamics Lab.
- Material testing Lab.
- Hydraulic machines Lab.
- Fluid mechanics Lab.
- Heat Engine & heat transfer Lab.
- Engineering drawing and Graphics Lab.
- Workshop
- CAD/CAM Lab.
- Refrigeration & Air-conditioning Lab.

The laboratories & workshops for sdepartment of Mechanical Engineering at Vedang are remarked as best by many eminent Professors & Industries who have visited.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Computers have become an integral part of modern society & extensive knowledge in the field of computer (Hardware & Software) has been essential for all computer engineers. Keeping in view of the above technical explosion in the field of computers and increasing demand for personnel adequate computer knowledge, the department of computer science & engineering of Vedang is well equipped with laboratories, faculty & staff. The department emphasized on interactive teaching and research methodologies & is prepared to meet the challenges and playing a leadership role in shaping the education of the 21st century by providing unique educational research opportunities in the fore front of computer engineering and its application.

Highly sophisticated air conditioned computer labs with the latest version of computers both node terminals and servers are available with network facilities to share the recourses. The department has got six laboratories in addition to a computer organization lab equipped with different type of trainer kits & networking equipments and well equipped with 100 computers each, which are connected to the networking environment with servers like ALFA server (with unlimited Unix), Windows2003 and internet web server , one laboratory is equipped with multimedia tools and advance computing recourses for research for and project activity.

DEPARTMENT OF CIVIL ENGINEERING



Civil Engineering is one of the broadest and oldest of all the engineering disciplines, extending across multi-technological ecosystems. The department offers an undergraduate programme (B.Tech). The Department actively promotes curriculum development activity by updating existing courses, developing new courses and preparing resource material for teaching. The department is equipped with the following laboratories:

- Concrete and highway Materials Lab.
- Geo Technical Engineering Lab.
- Surveying Lab – I & II.
- Strength of Material Lab.
- Fluid Mechanics and Hydraulic machinery Lab.
- Engineering Geology lab.
- Auto-CAD Lab.
- Environmental Engineering Lab.



DEPARTMENT OF METALLURGICAL ENGINEERING

Metallurgical Engineering Department is focused on imparting learning based, practice oriented technical education in Metallurgical Engineering through active involvement of students with extensive theory and laboratory experiences as well as participation in project works, training programs and research activities. The department is equipped with the following laboratories:

- Physical Metallurgy Laboratory.
- Heat Treatment Laboratory.
- Mineral Processing Laboratory.
- Foundry Engineering Laboratory.
- Materials Testing Laboratory.
- Heat Treatment Laboratory.
- Fuel Testing Laboratory.
- Process Metallurgy Laboratory.



DISTINCTIVENESS

- Ragging Free Environment.
- Air-Conditioned Class Rooms and Laboratories.
- Individual student care through Proctorial System.
- Special Care/Remedial Classes for Weaker Students.
- Personality Development Programme.
- Industry Institute Interaction.
- Global Exposure Programme.
- Ultra Modern Laboratory and Infrastructure.
- 24-hours free Internet Kiosk.
- Modern Teaching Methodologies.
- Intensive and Vigorous Study Schedule.
- Video Conferencing Facility.
- Functional English and Public Speaking Courses.
- Special Programme on Interview Techniques.
- Wi-Fi Campus.
- Yoga & Meditation Facilities.

Location Map





Vedang Institute of Technology
Driven to Excel.....

CAMPUS

At- Durgaparasad, Po- Ramachandi
Bhubaneswar, Khurda-752010

CORPORATE OFFICE

Plot No.: N1/254, IRC Village,
Bhubaneswar-751015

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