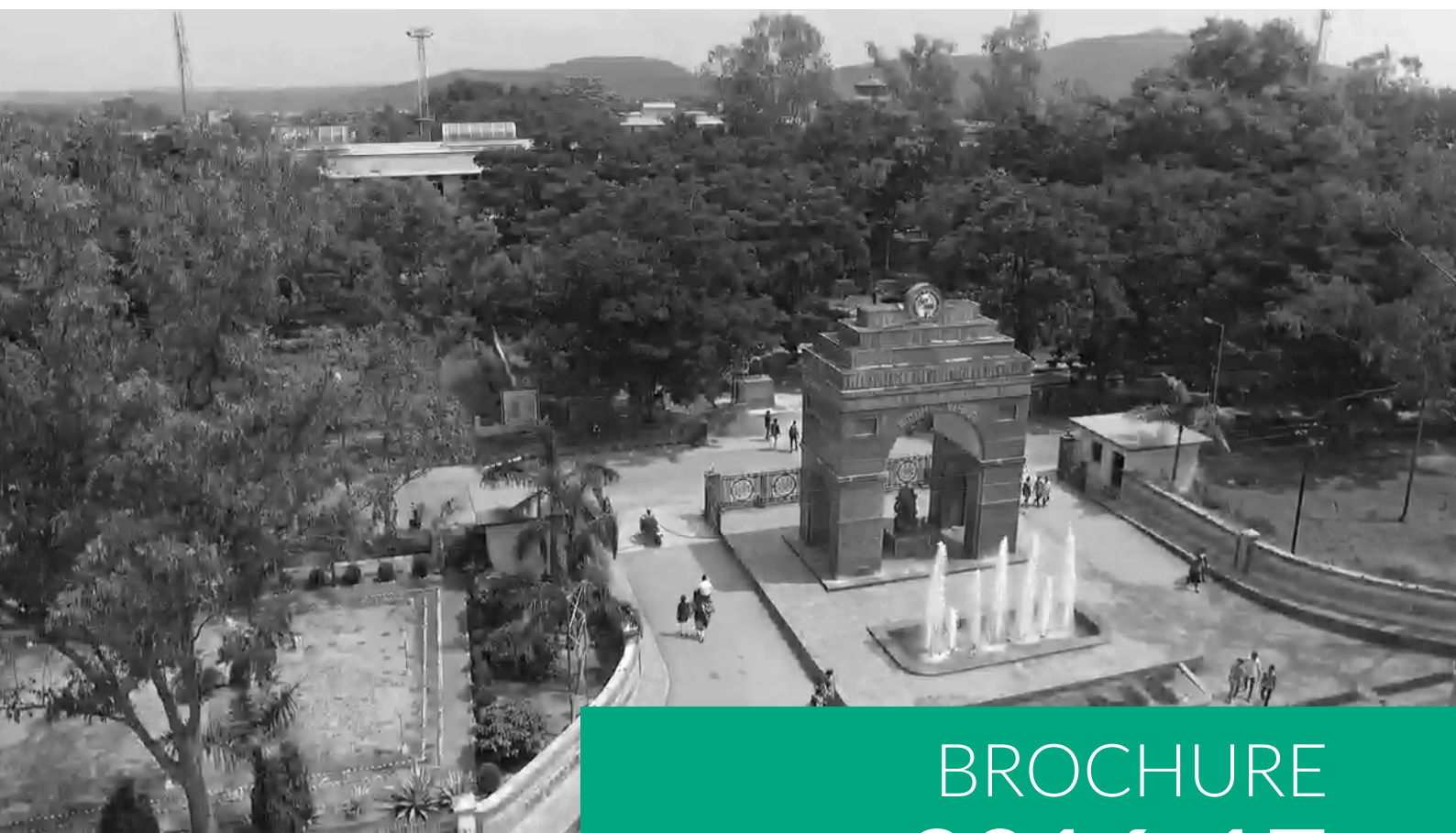


Veer Surendra Sai University of Technology, Burla



BROCHURE 2016-17

5,200 Students , 11 Branches, 60 Years
350 Acre - Campus
30,000 Alumni in 7 Continents

www.vssut.ac.in



It all started from River Mahanadi. The story dates back to early 1900s when Odisha was frequented with floods owing to Mahanadi. After visiting Sambalpur in 1928, Mahatma Gandhi requested Sir Visvesvaraya to devise a control mechanism for the emanating floods. What came up was the longest ever dam in the World - the Mahanadi Dam.

This posed an intriguing question to the leaders of Odisha - who would manage the operations and maintenance of the dam? There was no engineering college in the state. They decided to set up one. This led to the birth of the first ever Engineering College of Odisha on the 12th of August, 1956 and was called University College of Engineering or UCE. The visionary Chief Engineer of the dam, Er Tirumala Iyengar allocated land from his Dam Project and let his engineers to take classes. UCE got upgraded to a state university in 2008 and is now known as Veer Surendra Sai University of Technology (VSSUT).

about the university.

First in the state and second in Eastern India (after IIT, Kharagpur), University College of Engineering(UCE) which started with 40 students six decades back has come a long way. Today it is a State University, called Veer Surendra Sai University of Technology (VSSUT) operating in a 350 acre sprawling campus, imparting world class education to over 5000 students in multiple under graduate and post graduate courses including PhD.



WHO WE ARE

VSSUT is a State University recognized under Section 12(B) of UGC. With a state of the art infrastructure, well-equipped laboratory facilities, best-in-class faculty, a long-drawn track record of high quality research and development and focus on cutting-edge technology, VSSUT produces 1300+ industry-ready graduates besides a host of research scholars. True to its reputation, VSSUT imparts high quality education to about 5200 students in B. Tech (13 disciplines), M. Tech (21 disciplines), M. Sc (9 disciplines), M. Phil, MCA and PhD in a 350-acre fully residential campus. With one-third of students as women, it has one of the best gender diversity ratio.

WHAT WE ARE KNOWN FOR

Imparting the best quality Engineering education thereby creating top-brass Nation-builders has been the solitary motive of VSSUT ever since it came into existence. Unflinching academic rigor and strict adherence towards ethics are core values of VSSUT. Tough evaluation standards, strict deadlines of submissions of reports, frequent examinations are few highlights of the uncompromising levels of academic standards. This makes the students gradually elevate from learners to astute professionals capable of handling industry / corporate pressure and still deliver high performance. The competitive environments offered by VSSUT makes the students ready to face the ever-changing and highly challenging actual job arena. We also have the best gamut of faculty who not only serve VSSUT but also deliver in other reputed institutions all across the region and are on panels of IITs and NITs.

our departments.

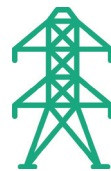
Create. Enhance. and Sustain.



Civil Engineering

ESTD. 1956

B.Tech: 120
M.Tech: 90 Ph.D: 29



Electrical Engineering

ESTD. 1956

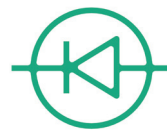
B.Tech: 120
M.Tech: 36 Ph.D: 25



Mechanical Engineering

ESTD. 1956

B.Tech: 120
M.Tech: 54 Ph.D: 11



Electronics & Telecomm. Engg.

ESTD. 1972

B.Tech: 120
M.Tech: 54 Ph.D: 11



Computer Applications

ESTD. 1993

MCA: 30



Computer Science & Engineering

ESTD. 1994

B.Tech: 60
M.Tech: 18 Ph.D: 20



Production Engineering

ESTD. 1996

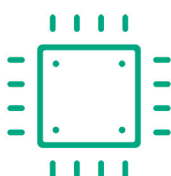
B.Tech: 60
M.Tech: 54 Ph.D: 09



Information Technology

ESTD. 2003

B.Tech: 60
M.Tech: 18 Ph.D: 07



Electrical & Electronics Engg.

ESTD. 2010

B.Tech: 60
M.Tech: 18 Ph.D: 10



Architecture

ESTD. 2013

B.Tech: 60
Ph.D: 04



Metallurgy & Materials Engg.

ESTD. 2013

B.Tech: 60
M.Tech: 18 Ph.D: 02



Chemical Engineering

ESTD. 2014

B.Tech: 60
Ph.D: 04

creating leaders not just engineers.

Stringent selection procedure, in-depth & high intensity of teaching are not the only hallmarks of VSSUT. On top of all these, students are taken through industrial tours and are familiarized through industrial safety gadgets & procedures. They get an opportunity to hear from the industry stalwarts, CEOs, entrepreneurs, economists, and planners in the campus. They are encouraged to innovate and file patents. They are encouraged and guided to win National Level competitions on robotics, automotive designs, sports, and quiz. They are engaged in socio-cultural pursuits like teaching poor students in neighboring schools. While passing out from VSSUT, they are absolutely ready not just for the Industry but the entire society at large. They go out with an attitude "I can do it" as they are always motivated and trained to succeed.

Civil Engineering

Structural Engineering, Transportation Engineering, Hydraulics & Water Resources Engineering

Electrical & EEE

Embedded Systems, Microprocessor and Micro-controller, Power Systems, MATLAB for Design & Modelling, Control System Engineering.

Mechanical & Production

Machine Design, Metal Forming, Thermodynamics, Physical & Mechanical Metallurgy, Micro-machining, Metal cutting, Robot Mechanism, Automobile Engineering.

Computer Science & IT

Big Data Analysis, Cloud Computing, Machine Learning, Data Mining, Cryptography and Network Security.

Electronics & TC

Image Processing, VLSI Design, Microprocessors, Microwave Engineering, Embedded Systems.

Metallurgy & Materials

Iron making, Non-ferrous Extractive Metallurgy, Mineral Processing, Steel Making, Heat Treatment.



What does one expect a University which is surrounded by cluster of world-class industries and institutes to do - to partner with them for research and solve problems of the society ? VSSUT exactly does that. It is at the epicenter of mammoth industries who have investments to the tune of 150,000 crore rupees. It is surrounded by many reputed Universities and also an IIM. Together they create opportunities to broaden the reach and vision of students.

Internships
Trainings
Industrials Visits

Students are exposed to internship and training programs in reputed industries like Hindalco, Vedanta, NALCO, OHPC, OPGC, Tata Steel, NTPC, etc; they are taken on Industrial tours; they participate in problem-solving and take up mini-projects.

Startup
Entrepreneurship

Apart from such industrial and academic giants, even budding start ups of the country are considered while giving internship opportunities to the students. The university and Alumni Association organize regular workshops and seminars addressed by successful entrepreneurs, administrators and policy-makers.

Alumni Presence
Corporate
Footprint

VSSUT is gifted with a vast and vibrant Alumni body which has National as well as International presence. Alumni organize internship and placements for the students; they are the trusted source of career guidance, counseling etc. which prepare the students in the best possible way to compete at the global level.

building champions.

At VSSUT, most of the learning takes place beyond the classrooms; it happens in the Sports ground, Robotics arena, Music stages, Placement cell etc. Here the students learn important life skills like planning, organizing, budgeting, marketing, fund raising, problem solving, social skills, team work and much more. Spirited exchanges at sports field or Robotic competition are taken to Classrooms and later to the factories and to the corridors of corporate world. Every students exits VSSUT with never-say-die attitude.

CULTURAL CLUB

- Dramatics Club (EMoTiCA)
- Music Club
- Dance Club (VIBRANZ)
- Art and Photography Club (PIXELS)
- Audio Visual Club

CODING CLUB (ENIGMA)

Prepares students interested in competitive coding for various cook-offs and coding competitions (ACM-ICPC) on an international as well as inter-university level.

ATHLETIC CLUB

Responsible for promoting health, fitness and sports in the community. The club organizes the annual athletic meet ILLUMINA and the bi-annual Inter University Sports Meet. It provides training and exposure to on-campus athletes and sportspersons.



ROBOTICS CLUB

Provides training and resources along with an elite competitive environment preparing students to strive national level robotics competitions like ROBOCON and various other inter-university tournaments.

SAE INDIA

It has two teams BAJA and SUPRA. BAJA designs all-terrain vehicles (ATVs) and SUPRA designs F3 class vehicles, adhering to global standards of performance.

LITERARY CLUB

The club exploits talent by challenging students on various fronts like quizzing, literature and MUN. It runs the enews-letter of the university ViSSioN, which publishes current on-campus news and happenings.

achievements 2015-16.

J. K. Tyres Baja Student India(BSI)	SAE INDIA	2016	AIR - 04
Endurance Round, Baja Student India(BSI)	SAE INDIA	2016	AIR - 02
Cost Report Analysis, Baja Student India(BSI)	SAE INDIA	2016	AIR - 01
Robocon	Robotics Club	2016	AIR - 20
E-Yantra IIT Bombay, MHRD	Robotics Club	2015	AIR - 07
National Students' Space Challenge, sponsored by ISRO	Robotics Club	2015	1 st
Rangmanch, IIT Kharagpur	Cultural Club	2016	2 nd runner's up
Natyashastra (Theatre) and Nukkad (Street Play), Nitrutsav, NIT Rourkela	Cultural Club	2016	1 st
XIMB Nukkad (Street Play)	Cultural Club	2015	1 st runner's up
Tata Crucible Quiz	Literary Club	2015	Regional Final Winner
AADHAR Quiz conducted by Konark Cement and AIMA (ALL India Management Association)	Literary Club	2015	Winner

- Jayesh Mahapatra, interned at CERN (The European Organization for Nuclear Research), Switzerland where he was part of the Caltech (California Institute of Technology) CMS group. He conducted research regarding the use of deep learning methodologies for particle reconstruction at the Large Hadron Collider.
- Rajendra Kumar Sinku has filed patent for 'Clutch Slip Lock Drive (CLSD)' on the power train which facilitated economical switching between 4WD and 2WD.
- Sahil Sankalp Patel has filed patent for 'Steering Assisted Brake Steer (SABS)' which helps the vehicle to turn easily by selectively braking the inner wheel while turning.
- The clubs members have designed a 'Wireless Kill Switch', a safety mechanism used to shut off a device in an emergency situation.
- An 'Inclined Drive Assist (IDA)' system was developed to prevent unwanted rolling in hilly terrain.
- Students excelled at many other national level competitions like 'BITWISE 2K14' (IIT, Kharagpur), ACM ICPC (IIT, Kanpur).

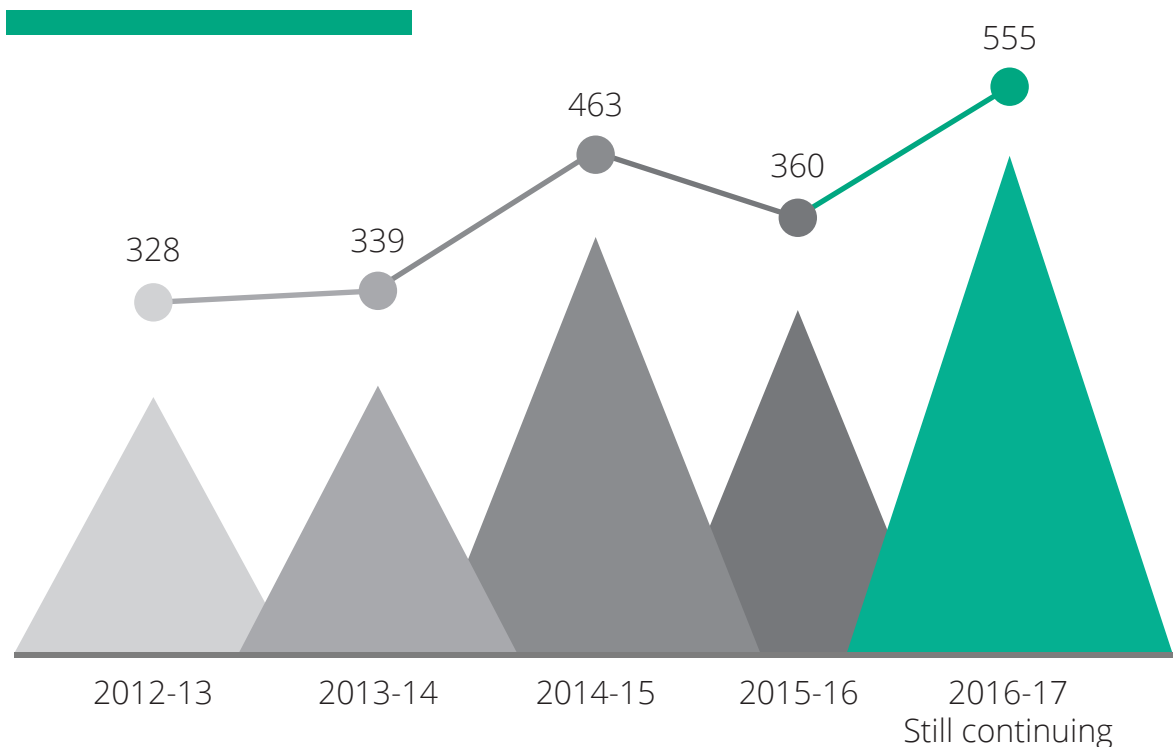
home away from home.



- Eleven majestic Wi-Fi equipped hostels provide the right environment for students - away from the distractions of a city. VSSUT cultivates an amazingly-bonded 'Gurukul' culture.
- VSSUT has the largest technical library in the region with over 60,000 books and journals. It has an e-library offering on-line resources and every user is given a smart card.
- A 1500-seating capacity Auditorium renders an apt platform to talented students and eminent speakers.
- Construction of a 5000-seated Amphi Theatre is soon starting which would raise the bar of existing infrastructure.
- Multiple Seminar Halls and Galley halls cater to verity of lectures.
- A state-of-the-art e-Learning Centre, fully e-enabled, has just been created to meet the growing needs.
- Plans are drawn to fill the campus with Centres of Excellences, Research Centres, Innovation Centres, Entrepreneur Cell. All in next couple of years.

winning over the corporate world.

Each student leaves the campus with tremendous self-belief, competitive attitude, and a hunger to win. They know that they have a promise to keep, a point to make, something to achieve. VSSUT has placed trust on each of them and they know they have to deliver that trust. That keeps the Companies across sectors to visit VSSUT year after year for placements.



REGULAR RECRUITERS

ACC Cements Ltd.
 Accenture India
 Aditya Birla Group
 Aricent
 Ashok Leyland
 ATOS Origin
 Avantha Power and Infra
 Bharti Telecommunications
 Birla Soft
 BOSCH
 Capgemini
 Caritor
 CMC
 Crompton Greaves
 CSC

Cummins India
 DCL
 Deloitte India
 HCL
 Honda
 HP
 Hyundai Motor
 IBM
 Infosys Ltd.
 Jindal Steels Limited
 Kreeti Technologies Pvt. Ltd.
 L&T ECC
 Maruti Suzuki
 Mindtree Solutions
 Polaris

Pradan
 Sankalp Semiconductors
 Sasken
 SAP Labs India
 Satyam Computers
 Syntel
 Tata Consulting Services
 TATA Motors
 TATA Power
 Tech Mahindra
 Tega Industries
 Telcon
 TVS Motors
 Vedanta Aluminium Ltd.
 Wipro

hall of fame.



Sarat Kumar Mohanty (1960)

Retd Engr-in- Chief, DoWR , Odisha
Constructed Balimela,
Kolab, Indravati Dams



PK Rath (1962)

Addl Director General,
Central Works Dept



Braja M Das (1963)

Retd Dean of College of Engg &
Comp. Sc. at California State Univ,
Sacramento, USA



B C Jena (1963)

Retd Member – OERC
Retd CMD – GRIDCO,
Ex-GM – OPGC



Banbir Das (1965)

Retd Addl. Director General, MES
Led 33 MES Zonal Chief Engineers



Sachi Mohapatra (1967)

Rear Admiral (Retd),
E.D. – Bramhos Aerospace,
Developed India's first TORPEDO



Sashi Bhusan Nayak (1967)

Retd President (Tech), Vedanta
Ex- Director (Production), NALCO



Ashis Das (1967)

Retd Joint MD – Jindal Stainless Steel
Retd Director – SAIL,
Ex-Chairman – M.E.L.



Renubala Mohanty (1967)

Retd. GM, L&T
First lady engineer in state of
Odisha



Mihir Kumar Mohanty (1967)

Retd VP & Head of East Zone
L&T ECCD



J K Nanda (1967)

Retd V.P. L&T ECC, Founder President
of Indian Welding Society



Rajendra Prasad Mohanty (1967)

Retd VP - HR of ACC,
Ex-Dean of ITM University,
Ex VC of SOA



M Senapati (1969)

Retd Director, Jindal Stainless Ltd
Ex- CMD of MECON Ltd



C R Pradhan (1969)

Retd E.D., NTPC



S S Mohanty (1977)

Retd Director, SAIL



P K Pradhan (1977)

Retd Director (Commercial), GRIDCO
Ex-CEO of WESCO



Rajendra Prasad Sasmal (1979)

Director - Technical, PGCIL



Nihar Gantayat (1980)

Executive Director. ONGC



Nalini Pradhan (1980)

Works Secretary, Govt of Odisha



Jaydev Nanda (1981)

CEO, Adani Power Ltd
Ex-Regional E.D., NTPC



B K Mishra (1982)

Director (Operation), LANCO Power



Prasanta Mukherjee (1983)

Director (Operation), Welspun India



Sanjay Burman (1986)

Director, DRDO



Binay Das (1987)

Director, DRDO



Debraj Das (1988)

Managing Director, MSA India Ltd



Bijay Mohanty (1989)

Accountant General, Chattishgarh



Athar Shahab (1989)
CEO, Nabha Power Ltd (L&T)



Partha Mishra (1989)
COO, Optum Global Solution



Aniruddha Patnaik (1989)
COO, Dynamic Drilling & Services



Anand Pujari (1989)
Head (Operation), Hewelett Packard



Nivedita Rath (1989)
Group Executive,
Lloyd Banking Group



Debasish Mohapatra (1989)
Director, PwC



Basant Mishra (1989)
Sr VP, Global Delivery Head,
Tech Mahindra



Satyabrata Pattnaik (1990)
Dalwin Marine Group (Manuf. of Ship
Diesel Engine components)



Pinaki Mishra (1992)
Director, Ernst & Young



Dhiraj Sinha (1992)
Executive Director, Dell India



Ashesh Padhy (1992)
Sr. VP & Director,
VIPL Reliance Power, ADA



Jagdish Mohapatra (1993)
MD, Asia Pacific, Intel Securities



Mukesh Dhandania (1993)
Map Mines & Minerals Limited
(Manuf. & Trading of
Iron Ore, Slag, Gypsum)



Sabyasachi Rath (1994)
CRO, Maybank India



Chandrahas Panigrahy (1996)
Director, Acer India Ltd



Subhranshu Pani (1996)
MD, Jones Lang LaSalle

galaxies of self-made entrepreneurs.



Amarendra Dash (1973)

Suryo Udyog Ltd (Export & Trading of Marine products)



Captain R C Singh (1976)

B P Marine Academy



Sushant Acharya (1982)

Innovis Telecom Services
(Telecom Services across 16 countries)



Srinibas Behera (1988)

Retigence Technologies Pvt Limited
(Supply Chain Business)



Chinmoy Dutta (1990)

(Providing Power
Optimisation solutions)



Jitendra Sarangi (1991)

CSI Computech Pvt Limited
(Mobility solutions,
Industry Automation)



Tanmay Das (1991)

Raajratna Energy Holdings
Pvt Limited (Putting up RE infra –
Solar, Wind, etc)



Krutibas Biswal (1991)

Optum Soft Research Pvt. Limited
(Development of modular &
distributed apps)



Pradeep Mahalik (1993)

Vizbeh Compositech Pvt Limited
(Composite Plastics for
high end products)



L N Mishra (1992)

Adaptive Processes Limited
(Global Business Analytics &
Enterprise Mgt)



Kalyan Chakraborty (1993)

Rising Straits Capital, Financial Services
(Private Equity and NBFC Business)



Manoj Das (1997)

Inventon Solutions Pvt. Limited
(eCommerce Business on
Supply Chain Mgt)

history of engg education in India.



1794	Madras Survey School which became Engineering College, Guindy
1847	Thomson College of Civil Engg, which is now IIT Roorkee
1856	Civil Engineering College which became Bengal Engg College, now IEST, Shibpur
1906	National Council of Education, Calcutta, now Jadavpur University
1916	Benaras Hindu University, now IIT – BHU
1920	Harcourt Butler Technology Institute, Kanpur
1924	Bihar Engineering College, Patna, now NIT – Patna
1926	Indian School of Mines, Dhanbad (Now, declared to be IIT)
1933	Andhra University, Vizag (Shortlisted to be IEST)
1935	Aligarh Muslim University, now, a Central University
1945	All India Council for Technical Education (AICTE)
1951	IIT, Kharagpur and 4 more IITs later
1956	University College of Engineering (UCE), Burla, now a State University
1962	REC, Rourkela and 7 more RECs, now NITs
1975	Cochin University of Science and Technology (CUSAT)



From the Vice Chancellor's desk

Even in face of the Global recession, India is growing at the fastest pace among major economies. IMF has forecasted GDP growth of 7.6 % for India in 2016-17. Major contributions to GDP must come from Manufacturing Sector and Service Sector, especially IT. Nation also aims to invest \$ 200 billion in next few years on infrastructure alone. More and more engineers will be required to deliver this task and VSSUT is geared for this.

This institute came much before most of the IITs and all of the NITs were set up. Over sixty years, it is known in the country for its quality education. VSSUT, however, made unprecedented growth in terms of number of students, number of teachers, number of courses, infrastructures, buildings, lab facilities, automation, etc in the last decade. We now roll out nearly 1500 quality engineers every year. They are made industry-ready through rigorous classroom teachings, laboratory exercises, industrial tours, safety practices, exposure to workshops and seminars. I invite you to visit VSSUT, one of the finest institutes in India. You can see for yourself the ingredients and quality of our students. We have made them and we know they will deliver our trust.

VSSUT is 5 hr drive from Bhubaneswar Airport & 4 hr from Raipur Airport; she is on the intersection point of NH-06 and NH-40 and SH-10.; she is close to Kolkata-Mumbai Railway Trunk line.

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