University Developments During

January - December 2015

1) Financial Assistance from External Agencies

University Has Received the Following Grants

1) Rs.2.80 crores during XII plan period from UGC

2) Rs.2.50 crores under RUSA grant from MHRD.

3) Rs.1.28 crores Research Grants from UGC, DST, DRDO, CSIR

4) Rs.5.00 crores have been received Under TEQIP-II.

5) Rs. 49.44 Crores During (2014-15) and 47.69 During (2015-Nov.2016) from State Govt.

6). Rs. 32 Crores Received from State Govt. for Infrastructure development.

2. Creation of innovation centre

VSSUT has been selected for setting up of an innovation centre to carry out activities that facilitate knowledge creation, innovation and entrepreneurship. The primary objective is to develop ideas and innovations of the students and the faculty members into a framework to offer a product or services to the community for solving their problems.

3. Academic Activities

3.1 Establishment of New Department

For the academic and administrative convenience the following three New Departments are established.

1) Electrical & Electronics Engineering

2) Information Technology

3) Computer Applications

3.2 New Courses Introduced

The University has introduced new programmes in the following areas as listed:

Sl.No.	Stream	Name of the Course
1.	M.Tech.	Instrumentation & Control
2.	B.Tech. &M.Tech. dual degree	B.Tech. in Civil Engg&M.Tech. in S. Engg.
3.	B.Tech. &M.Tech. dual degree	B.Tech. in Elec. Engg&M.Tech. in Power System Engg.
4.		5yr. Integrated M.Sc. in Mathematics

3.3. New Laboratories &Equipments

The University has developed a **Central Research Facility (CRF)** out of the TEQIP fund. A Scanning Electron Microscope amounting to Rs.1.15 crore has been installed for the use of various research purposes.

The Procurement of Software and Equipment:
1. Wire Cut Electro Discharge Machining (WEDM),
2. Scanning Electron Microscope (SEM) with EDS facility,
3. Governing test device.
4. Surface Roughness Measurement Machine.
5. Compression Moulding Machine of 30 T capacity.
6. Established Physical Metallurgy laboratory.
7. Digital triaxial test apparatus.
8. Silvaco TCAD Software for VLSI Laboratory

3.4. Revision of Academic Regulations and Curriculum

 The University has revised and updated academic regulations, course structure and syllabus to meet the latest technological requirements and to meet national standards. The experts from reputed institutes such as IITs, NITs and industries actively participated in revising the syllabus and course structure. The revision covers

1. Following latest UGC norms in formulating course structure and award of grading

2. Introduced Open electives so that inter disciplinary subjects can be chosen by the students

3. End semester examination is introduced in all activities Including Drawing, Design and Laboratory activities.

4. In B.Tech. 3rd and 4th Years project oriented evaluation is introduced.

5. The syllabus is placed on the University web site and for the first time the syllabus books are printed and provided to all B.Tech. students

3.5. Providing Lecture Notes on the Web Site:

To make use of more student friendly and transparent teaching methods, the University has taken an initiative and uploaded lecture notes on the University web site. For the benefit of the students, lecture notes for all subjects of odd and even semesters have been uploaded in the University website. So far Lecture notes of **166** Subjects have been uploaded.

4.0 NAAC

The University has also applied for NAAC accreditation of all the departments. The Peer team is visiting the University During 13-16 January, 2016 for NAAC accreditation.

5.0. Recruitment of Faculty

The State Government is kind enough to sanction teaching and non-teaching positions in Architecture department of the University. The University has recruited **41** faculty members in various disciplines. Further, 92 vacant faculty positions have been advertised and 20 More will advertised soon.

6.0 Research& Development

The university faculty are taking part in cutting edge research by supervising M.Tech. and PhD Scholars. The students and faculty members havepublished a number of research papers, Books. Further, the faculty organized number of conferences and Seminars.

i) Ph.D. Scholar admitted last year **-66 Nos.**

ii) Ph.D. degree awarded this year **-03 Nos.**

iii) Research Review meetings (RRM) are initiated from this academic year to assess the progress of research work.

iv)The University has procured Turn-it-in (Anti- Plagiarism) software and is being used to screened for Anti- Plagiarism in the Research papers being published by the faculty and the PhD thesis being submitted to the University.

6.1 Research papers and Books Published

Based on the outcome of their research, the faculty members of the University have published as many as **217**research papers in reputed journals and further Published **8** books .

6.2. Ph.D. Awarded to and by Faculty Members

12 faculty members have been awarded Ph.D. degree during last year from various Universities and Institute.

13 PhD students were guided by faculty members who have submitted their thesis to reputed universities and institutes.

6.3. Conference/Workshop/Seminar Organised and Attended.

During the last year University has organised 10 National / International Conferences and Seminars in latest developmental fields in Engineering and Science. Further, 94 faculty members have attended National/International Conferences and Seminars in various organisations including, IITs, NITs and national research institutes.

7.0 Infrastructure Development

The University has taken up the construction work of several buildings to meet the increasing demand for Classrooms, Departments and residential purposes. The following works have been taken up by the IDCO and R&B, Govt. of Odisha.

1) University Guest house with 35 Rooms including 4 Suits has been completed and Inaugurated by the Honorable chancellor on 24th November 2015.

2) Construction of 2nd Floor of the Academic Building has been completed and the same is being used for academic work.

3) Video conferencing facility has been installed and is being used to connect with other Universities.

4) Construction of Rohini Hall of Residence is Near Completion.

5) Construction of 1000 Seated M.Tech. hostelis in progress.

6) Construction of 18 Staff quarters have been completed.

7) Construction of e-learning centre is at the verge of completion.

8) Construction of 300 seated Ladies hostel is started out of RUSA grant.

9) Street lighting, widening, black topping of campus roads, construction of additional Underground sumps for hostels has been taken up for increasing the student facilities.

10) Campus is being brought under surveillance through closed circuit cameras.

8.0 Modernization of Library

1. The e-Library is established with 50 nos. of computer systems and the students can access the online Journals and other e-resources.

2. The University has subscribed to more than 10,000 online Journals and conference proceedings from reputed publishers such as Elsevier, Springer, Taylor & Francis, IEEE, ASME, ASCE, RSC, ACS, etc.

3. The Library is fully automated with SLIM21 (System for Library Information management) Software.

9.0 Central Internet Facility

The University is availing 1-GBPS internet connectivity. With this connectivity the University has become a member of National Knowledge

Network(NKN), a project initiated by Govt. of India to connect all the Universities and Institutions of India.

Academic area and all Hostels have been provided with internet facility. 50% of the hostels have been provided with Wi-fi facility and is being extended to remaining hostels.

10.0. Students' Activities:

10.1 Details of Seminars/Competitions Participated by the Students

The students are very active in academic and Technical Events and Participated in 89 Seminars and Technical Design Competitions and won 17 prizes.

10.2. Prized/ Distinctions Won By the Students in Academic and Technical Events

Department of CSE & IT

1. Chinmaya Samal of Dept. of CSE and IT : Internship on mobile cloud computing with android at Institute for software integrated systems, Vanderbilt University, Tennessee, USA.(Selected for top 12 best apps by Google for Coursera android specialization and won Google nexus)
2. SanjibKhetan of Dept. of CSE and IT : selected as official Intern of IBM.
3. Chinari Anil Kumar Patro: selected as official Intern of IBM and represented the Intern team at IBM-The Great Mind Challenge (TGMC) - Launch Event-2015 at Bangalore.

Department of Civil Engineering

1. Deepak ku Rout, of Civil Engg. Dept. won, National Civil Engineering Quiz- AADHAR 2014

2. Anil Pradhan, RoshanBiswal, P Siba Prasad Patro students of civil Engg. Won 1st prize in "Hydraulic bridge design", INNOVISION 2015, NIT, Rourkela.

Department of EE and EEE

YEAR	NAME	RANK/POSITION	DETAILS
Final Year	AshalataSamal	Runners Up in Eastern Zone, India	Presentation on "Rural Electrification" in the Scholarship programme organised by the Institution of Engineering and Technology, India
Final Year	Archit Panda	Winner	Best Delegate, Rourkela MUN
Final Year	SujitParida	1st in Odisha(27th Rank, All India)	Represented VSSUT in ABU-ROBOCON, MIT, Pune

1. SuchismitaNayak of ETC Dept. won 1st Position at Aerial Event at IIT, Kharagpur.

2. Amit Kumar and Rahul Prasad of ETC Dept. won 3rd Position at Senior Automatic Robotics Competition-Tryst at IIT, Delhi

NASA award received by a research scholar

Sameer Panda, Ph.D scholar, Department of Production Engineering- has received an award in the Create the Future Design Contest- 2015 from NASA and Society of Automobile Engineers International. His project was also recognized as one of the top ten entries in the contest.

Performance in Competitive Examinations

1. Anurag Dash of CSE   - GRE score -321 out of 340
2. Sarojkumar sahoo of CSE   - GRE score-319

3. Abhisekh lath of CSE   -GRE score-318

4. Chinmayasamalof CSE   - GRE score-317

5. Sarthak Rout of Mech.Engg.   - GRE Score 317

6. SaswateePriyadarshini   - GRE Score 313

7. NiharRanjanKhillarof Mech. Engg. pursuing PGDM at   IIM Bangalore

8. MsAnanyaSristiSatpathyof Mech. pursuing MA at Tata Institute of Social Sciences Mumbai

9. AdityaSekhar Nanda of EE & EEE - GATE, AIR 173.

1. Robotics club

   1. In the session 2014-2015 the robotics team of VSSUT Burla has secured AIR 27 in the international level event "ROBOCON-2015" and also topped in the state in this regard.

   2. Jajati Kesari Mohanty and his team of pre-final year secured 1st position in NSSC-2k14 at IIT-KGP.

   3. SachinMeher has secured 1st position in the event TRED-O-QUEST in INNOVISION-2k14 at NIT Rourkela.

   4. Tapas Kumar Mahanta and his team has secured 1st position in the event TRED-O-QUEST and ROBO VENTURE in INNOVISION-2k15 at NIT Rourkela.

Sports achievements

Won a number Championships in Cricket, football, Volleyball, Badminton.

Training programs (T&P)

1. Open source SCILAB training for 500 students has been conducted.

2. Training program on cloud computing for CSE, IT and MCA students in collaboration with IBM.

3. National employability test was conducted in collaboration with TCS and IMS.

4. Number students engagement program like quiz, GD, MUN, discussion on current affairs under the aegis of GYAN DHARA.

5. One day workshop on "Career guidance" was conducted for career opportunity beyond campus.

Social responsibility

SANSKAR KENDRA

1. The students of VSSUT have taken the social responsibility of providing education to needy people. In this direction students have started a society named as **Sanskar Kendra**. This society has adopted two hamlets "KIRBA" & "PANITANKI" PARA, of which many residents are very poor including fourth class employees of this University. University students at Sanskar Kendra teach students from 1st to 10th Class, regularly in an adopted school and guide them to choose a suitable career.

2. At present 170 students including both Kirba and Panitanki are studying in the Sanskar Kendra.

3. More than 100 families are getting benefitted with this programme.

7.3 Campus Placement :

There has been an encouraging record of Training & Placement Cell. Since last convocation 422 students have been placed through campus recruitment in organizations such as TATA STEEL, CMC, TECH MAHINDRA, DELOITTE, WIPRO, INFOSYS, ACCENTURE, HYUNDAI.

7.0 NSS Activities

The following are some of the NSS activities organised by the NSS units of the University in the current year.

1. Blood donation camps are organized regularly in the University for the benefit of the needy patients.
2. Cleaning of the Campus regularly by the NSS unit.

8.0   MoU signed

VSSUT has signed an MOU with University of New Orleans, USA. According to this MOU, the graduates of VSSUT will be admitted into various MS Programmes in Engineering, MBA offered by the University of New Orleans. The students joining from VSSUT are eligible to receive the University of New Orleans India Friendship Award (UNOIFA) from the Graduate school at the University of New Orleans. This award will cover 70% of the non-resident fee.

9.0 Proposals Submitted to the Government

To develop the Infrastructure and Laboratory Test Facilities to meet National Standards, the university has submitted a proposal to State Government, for a one time grant of Rs. 575 Crores

10.0   Future Plans of the University

It is proposed to expand the University with various PG Schools and Developmental schemes to make the technological education meaning full and bring VSSUT onto National educational map. For this the university has prepared a root map to achieve this which include:

1) Establishing Entrepreneur Development Cell.
2) Establishing Technology Business Incubator
3) Start Admission to Foreign students
4) Establishing the following PG Institutes:
   a) Institute of Science and Technology with the following centres in it

       i)   Centre for Environmental Studies

      ii)   Centre for Spacial Information Technology

    iii)   Centre for Nano Technology

    iv)   Centre for Water Resource Management

b) School of Information Technology

c) School of Pharmacy

d) School of Planning and Architecture