1. INSTITUTIONAL BASIC INFORMATION

1.1 Institutional Identity:

- Name of the Institution : **VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA**
  (Formerly University College of Engineering, Burla)
- Is the Institution AICTE approved : Yes
- Furnish AICTE approval No.: F.No.AICTE/E&T/ENGGG/APPROVED/2009-10, dated, 26.05.2009 & F. No. 411/) OS-01/BOS (CS)/94 dated 02.06.2009 (Copy enclosed in **Annexure-I & Annexure –II**)
- Type of Institution : Govt. Funded Unitary University
- Status of Institution : State Unitary University (Copy indicating status enclosed in **Annexure-III**)
- Name of Head of Institution : Prof. E. Saibaba Reddy, Vice-chancellor (Full time appointee)
- Name of Head of the Institution & Project Nodal Officers :

Head and Nodal Officer	Name	Phone Number	Mobile Number	Fax Number	E-mail Address
Head of the Institution	Prof. E.Saibaba Reddy Vice-Chancellor	0663-2430211		0663-230204	dkt @rtc.iitkgp.ernet.in vc.vssut@nic.in
TEQIP Coordinator	Prof. D. Dhupal Professor in Production Engg.	0663-2432021	09437111022	0663-230204	debabratadhupal@gmail.com
Project Nodal Officers for					
Academic Activities	Prof. P.K. Hota, Professor in Electrical Engg.	0663-2432021	09439859929	0663-230204	p_hota@rediffmail.com
Civil works including Environment Management	Prof. P.C. Swain Professor in Civil Engg.	0663-2432021	09437257968	0663-230204	pcswain_2000@yahoo.co.in
Procurement	Dr. S. Agrawal, Associate Professor in Electronics & Telecom Engg.	0663-2432021	09861032190	0663-230204	agrawal_72@yahoo.com
Financial aspects	Prof. S. Panda, Professor in Electrical Engg.	0663-2432021	09438251162	0663-230204	Panda_sidhartha@rediffmail.com
Equity Assurance Plan Implementation	Prof. P. K. Modi Professor in Electrical Engg.	0663-2432021	09861065001	0663-230204	pkmodiphd@rediffmail.com pkmidi.vssut@nic.in

1.2 Academic Information:

- **Engineering UG Programmes offered in Academic Year 2014-15**

Sl. No.	Title of Programme	Level (UG)	Duration (Years)	Year of Starting	AICTE Sanctioned Annual Intake	Total Student Strength***
1	Civil Engineering	UG	4 yrs	1956	126	339
2	Electrical Engineering	UG	4 yrs	1956	126	363
3	Mechanical Engg.	UG	4 yrs	1956	126	379
4	Electronics & Telecommunication Engg.	UG	4 yrs	1972	126	342
5	Computer Science & Engg.	UG	4 yrs	1994	63	207
6	Production Engg.	UG	4 yrs	1996	63	174
7	Information Technology	UG	4 yrs	2003	63	186
8	Chemical	UG	4 yrs	2014	63	48
9	Acchitecture	UG	4 yrs	2013	60	43
10	EEE	UG	4 yrs	2010	63	155
11	Metallurgy & Materials	UG	4 yrs	2013	63	53

*Total student strength includes 5% lateral entry and branch change in 3rd semester of UG programmes.

- **Engineering PG Programmes offered in Academic Year 2014-15**

Sl. No.	Title of Programme	Level (PG)	Duration (Years)	Year of Starting	AICTE Sanctioned Annual Intake	Total Student Strength++
1	Structural Engg.	PG	2 yrs	1975	18	15
2	Transportation Engg.	PG	2 yrs	1975	18	18
3	Power System Engg.	PG	2 yrs	1969	18	14
4	Machine Design & Analysis	PG	2 yrs	1972	18	16
5	Heat Power Engg.	PG	2 yrs	1972	18	17
6	Production Engg.	PG	2 yrs	1972	18	17
7	Communication System Engg.	PG	2 yrs	1995	18	15
8.	Envermental Science & Engg.	PG	2 yrs	2012	18	15
9.	Geo technical Engg.	PG	2 yrs	2012	18	17
10.	Water Rescores Engg.	PG	2 yrs	1969	18	17
11.	Computer Science Engg.	PG	2 yrs	2008	18	16
12.	Power Electronics Control & Drives	PG	2 yrs	2011	18	14
13.	VLSI Signal Processing	PG	2 yrs	2012	18	16
14.	Micro Web	PG	2 yrs	2014	18	14
15.	ICT	PG	2 yrs	2013	18	10
16.	Manufacturing System Engg.	PG	2 yrs	2008	18	10

- **Accreditation Status of UG Programme** (Copy attached in **Annexure-V**)

Title of UG Programme being offered	Whether eligible for accreditation or not	Whether accredited as on 31st Dec.2014	Whether Applied for as on 31st Dec 2014
Civil Engineering	Yes	Yes	Yes
Electrical Engineering	Yes	Yes	Yes
Mechanical Engineering	Yes	Yes	Yes
Electronics & Telecomm. Engg.	Yes	Yes	Yes
Computer Science & Engineering	Yes	Yes	Yes
Information Technology	Yes	Yes	Yes
Production Engg.	Yes	Yes	Yes

- **Accreditation Status of PG Programme**

Title of UG Programme being offered	Whether eligible for accreditation or not	Whether accredited as on 31st Dec. 2014	Whether Applied for as on 31st Dec 2014
Structural Engg.	Yes	Yes	Yes
Transportation Engg.	Yes	Yes	No
Power System Engg.	Yes	Yes	Yes
Machine Design & Analysis	Yes	Yes	Yes
Heat Power Engg.	Yes	Yes	No
Production Engg.	Yes	Yes	Yes
Communication System Engg.	Yes	Yes	Yes
Water Resource Engg.	Yes	Yes	Yes
Master in Computer Applications	Yes	Yes	Yes
Computer Science & Engg.	Yes	Yes	Yes

1.3 Faculty Status (Regular/on-contract faculty as on 18.05.2015) ***:

Faculty Rank	No. of sanct-ioned Regul-ar posts	Present Status : Number in Position by Highest Qualification												Total Number of Regular Faculty in Position	Total Number of Vacanc-ies	Total Number of Contact Faculty in position
		Doctoral Degree				Masters Degree				Bachelor Degree						
		Engg. Discipline		Other Discipline		Engg. Discipline		Other Discipline		Engg. Discipline		Other Discipline				
		R	C	R	C	R	C	R	C	R	C	R	C			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15 (3+5+7+9+)	16 (2-15)	17 (4+6+8+10 +12+14)
Prof.	44	17	0	05	0	0	0	0	0	0	0	0	0	17+5=22	22	0
Asso. Prof.	93	27	0	13	0	06	0	0	0	0	0	0	0	27+13+6=46	47	0
Asst. Prof.	161	06	0	10	0	83	09	10	17	0	0	0	0	06+10+83 +10=109	52	26
TOTAL	298	50	0	28	0	89	09	10	17	0	0	0	0	177	121	26

Prof. =Professor, Read. = Reader, Lect. = Lecturer, R = Regular, C = Contract

*** Present Status of Faculty as on 18.05.2015

1.4 Baseline Data (*all data given for the following parameters must be restricted to engineering disciplines/fields only*):

Sl. No.	Parameters	
1	Total strength of students in all programmes and all years of study in the year 2014-15	2806
2	Total women students in all programmes and all years of study in the year 2014-15	475
3	Total SC students in all programmes and all years of study in the year 2014-15	88
4	Total ST students in all programmes and all years of study in the year 2014-15	106
5	Total OBC students in all programmes and all years of study in the year 2014-15	1196
6	Number of fully functional P-4 and above level computers available for students in the year 2014-15	393
7	Total number of text books and reference books available in library for UG and PG students in the year 2014-15	62793
8	% of UG students placed through campus interviews in the year 2014-15	480
9	% of PG students placed through campus interviews in the year 2014-15	13
10	% of high quality undergraduates (>75% marks) passed out in the year 2014-15	
11	% of high quality postgraduates (>75% marks) passed out in the year 2014-15	
12	Number of research publications in Indian refereed journals in the year 2014-15	18
13	Number of research publications in International refereed journals in the year 2014-15	103
14	Number of patents obtained in the year 2014-15	--
15	Number of patents filed in the year 2014-15	--
16	Number of sponsored research projects completed in the year 2014-15	12
17	The transition rate of students in percentage from 1st year to 2nd year in the year 2014-15 for : (i) all students (ii) SC (iii) ST (iv) OBC	
18	IRG from students' fee and other charges in the year 2014-15 (₹ in lakh)	174.47
19	IRG from externally funded R&D projects, consultancies in the year 2014-15 (₹ in lakh)	28.00
20	Total IRG in the year 2014-15 (₹ in lakh)	233.15
21	Total annual recurring expenditure of the applicant entity in the year 2014-15 (₹ in lakh)	2394.15

2. INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)

2.1 **Give the Executive Summary of the IDP**.

Veer Surendra Sai University of Technology (VSSUT), Burla is a fully residential **technical unitary university** under the Govt. of Orissa. Established in the year 1956, the Institute has made steady progress to develop into a National level Institute. The main strengths of the institute are its highly qualified and dedicated group of faculty members with commitment for excellence and the highly enthusiastic student body with an enviable record of academic achievements and successful industrial placements. The institute also has fairly good infrastructure facilities, laboratory and library facilities. While VSSUT is justifiably proud of its strengths and achievements, there are many challenges it may have to face because of the rapid economic and technological developments currently occurring both at the national and international level. Having analyzed its current status, its internal strengths and weaknesses and the threats and opportunities presented to it by its environment, It has decided to embark upon a vast and ambitious programme of institutional development and looks forward to receiving financial assistance under TEQIP-II for implementation of the programme to improve learning outcomes and employability of its graduates. This is proposed to be achieved by

• Improvements in teaching, training and learning facilities
• Faculty and staff development for improved competence
• Strengthening of existing PG programmes and starting new PG programmes
• Enhancement of interaction with industries
• Implementation of institutional reforms

- Academic support for weak students

2.2 **Provide the details of SWOT analysis (see Annex-V to PIP) carried out (in terms of methodology used, analysis and information and data as collected and inferences derived with respect to strengths, weaknesses, opportunities and threats).**

The SWOT analysis was carried out through brainstorming sessions in two stages i.e. in the department level and at the university level. In the department level a group comprising of five students from each year along with representatives from girl and minority students participated in which the head of the department acted as facilitator and a faculty member was rapporteur. The salient points which came out from the session was summarized and sent to the University.

At the university level all the Heads of the Departments (11 nos.), Deans (4 nos.), senior faculty members (2 from each department), technical and supporting staff (5 nos.),

representatives from alumni association (3 nos.), representatives from nearby industries (4 Nos.) participated in the brainstorming session. The members discussed each issue at length submitted by various departments along with other points raised by various members. The key findings of the session is summarized and presented below.

STRENGTHS	**WEAKNESSES**
o The first technical institution of Orissa having more than 54 yrs of excellence in technical and economic development of the state as well as the nation. o The first technical institution in the state conferred autonomy by UGC in 1992. o The first technical institution in the state upgraded to a state unitary university in 2009 for the growth of the institution and facilitating better environment for technical education and research. o Adequate infrastructure spread over 200 acres of land in terms of laboratory, class rooms, library, administrative area, student activity area and residential area for students, faculty and other supporting staffs. o Most of the UG courses of the University are accredited by AICTE. o Highly qualified and experienced faculty with vast experience in teaching, research and industrial consultancy. All regular faculty are either having Master or Ph.D degree out of which more than 60% of the existing faculty are Ph.D. holders. o Active research activities over 5 decades producing many M.Tech, Ph.D and research papers in various national and international journals of repute. o The student input to the University is of very high quality. Generally the first rankers in the Orissa Joint Entrance Examination prefer to take admission in the university. o The University has created a brand image in almost all industries of the country. Nearly 100% student placement in reputed organizations. o Academic calendar is non-negotiable. The results of all examinations are declared well in time. o Excellent performance of the students in the university examinations as well as in national level examinations like GATE, CAT, IES, etc. Pass percentage of students is more than 95%. o Good resource generation through industrial consultancy. o Strong Alumni network helps in resource generation, placement activities and knowledge dissemination. o Provision of deputation of faculty to other reputed institutions like IITs for obtaining higher qualifications. o Provision of student feed-back system and faculty self appraisal system.	o Needs sufficient funds for further growth. o The existing UG and PG laboratories having a number of old and obsolute equipments/machines are yet to modernized as per the present requirements. o Insufficient laboratories for existing and new branches of UG and PG courses. o Lack of modern teaching aids and well-furnished classrooms. o Remaining UG and all PG Courses need to be accredited by NBA. o Inadequate furniture in class rooms, laboratories and offices due to lack of funds o The existing central and departmental computer centres require renovation and upgradration with high standard computational facilities to keep pace with latest technology o Inadequate books, journals, e-learning resources and poor access to knowledge resources in the central library. o Lack of financial assistance to faculty for participating in seminars and conferences abroad and other training programmes for better exposure in R&D activities. o Lack of the provision for special care to socially and economically backward weak students. o Inadequate continuing training programmes for technical and supporting staffs to refresh their existing knowledge and acquire the latest knowledge. o No provision of Industry-Institute Interaction Cell for enhanced interaction with Industry o Lack of funds for institutional reforms o Needs campus wide network with gigabyte level with latest technology. o Needs financial assistance to M.Tech. and Ph.D. scholars of the university. o Needs centralized instrumentation facility with sophisticated equipment. o Needs office automation and e-governance for faster flow of data and information.

OPPORTUNITY	THREATS
o The University possesses administrative, academic and financial Autonomy to grow independently. o The University is located in the epicenter of big and reputed industries such as Hirakud Dam, Hindalco, MCL, Bhusan Steel, Vedanta, OHPC, L&T, NALCO, NTPC, OPGC, TRL and many more for better industry-institute interaction and provide excellent potential for providing need-based research and consultancy. o Existence of educational institutions like VSS Medical College, Sambalpur University and College of Agriculture adjacent to this university facilitates interdisciplinary course work and research work. o State Govt. willing to give another 300 acres of land adjacent to the University Campus for further expansion. o Increasing demand of students for pursuing study in the University due to its core competencies. o Good connectivity of the University with rest of the country through East Coast Railway, NH6 and NH42. o Nearest proposed domestic airport at Jharsuguda 60 kms away from the University. o The University can act as a hub of research and guidance to all other technical colleges (nearly 100) of the state.	o Non-retention of quality faculty leaving the University to join IITs for better opportunities. o At times, the laboratories and other facilities are not to access the fast changing technology as per the requirement due to paucity of funds. o Financial status and sustainable financial backing of institution.

- **Based on SWOT analysis, provide the "strategic plan" developed for institutional development**.

The above assessment of the current strength and weaknesses as well as the opportunities and threats in the environment leads to the identification of the following main strategic directions that the institute has to pursue over the next five years so that it may fulfill its vision and mission and may continue to contribute towards development of technical education and overall natural growth.

- Infrastructure improvements for teaching, training, and learning
- Providing Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in Engineering disciplines
- Enhancement of R&D and institutional consultancy activities
- Faculty and Staff
- Enhanced Interaction with Industry
- Institutional management capacity enhancement
- Implementation of institutional reforms
- Academic support for weak students under the aegis of Finishing School

- **How the key activities proposed in the Institutional Development Proposal are linked with the results of SWOT Analysis.**

Sl.No.	Proposed key activities	Linked on specific result of SWOT analysis
1	Modernization and strengthening of laboratories	The existing UG and PG laboratories having a number of old and obsolete equipments/machines are yet to be modernized as per the present requirements.
2	Establishment of new laboratories for existing UG and PG programmes and for new PG programmes	Insufficient laboratories for existing and new branches of UG and PG courses.
3	Modernization of classrooms	Lack of modern teaching aids and well-furnished classrooms.
4	Updation of Learning Resources	The existing central and departmental computer centres require renovation and upgradration with high standard computational facilities to keep pace with latest technology.
5	Procurement of furniture	Inadequate furniture in class rooms, laboratories and offices due to lack of funds
6	Establishment/Upgradation of Central and Departmental Computer Centers	The existing central and departmental computer centres require renovation and upgradration with high standard computational facilities to keep pace with latest technology
7	Modernization/improvementsof supporting departments	Remaining UG and all PG Courses need to be accredited by NBA.
8	Modernization and strengthening of libraries and increasing access to knowledge resources	Inadequate books, journals, e-learning resources and poor access to knowledge resources in the central library.
9	Enhancement of R&D and institutional consultancy activities	Lack of financial assistance to faculty for participating in seminars and conferences abroad and other training programmes for better exposure in R&D activities.
10	Faculty and Staff Development	Inadequate continuing training programmes for technical and supporting staffs to refresh their existing knowledge and acquire the latest knowledge.
11	Academic support for weak students	Lack of the provision for special care to socially and economically backward weak students.
12	Implementation of institutional reforms	Lack of funds for institutional reforms
13	Enhanced Interaction with Industry	No provision of Industry-Institute Interaction Cell for enhanced interaction with Industry

2.3 **State the specific objectives and expected results of your proposal in terms of, "Institutional strengthening and improvements in employability and learning outcomes of graduates". These objective and results should be linked to the SWOT analysis.**

Sl. No.	Specific activities	Expected result
1	Modernization and strengthening of UG & PG laboratories of all the Departments for providing quality education to the students, facilitating R&D activities and enhancing industrial consultancy services.	Institutional strengthening and learning outcomes of graduates
2	Modernization of class rooms with audio visual aids for more effective learning	Institutional strengthening and learning outcomes of graduates
3	Improvement of central library and e-learning resources for knowledge updation	Institutional strengthening and learning outcomes of graduates
4	Upgradation of central and departmental computer centres for providing better computing facilities to students.	Institutional strengthening and employability and learning outcomes of graduates
5	Providing teaching and research assistance to increase enrollment in existing and new PG and Ph.D programmes/ in all the disciplines	Institutional strengthening
6	To train the faculty and technical staff in leading institutions/organizations of the country/abroad for quality improvement.	Institutional strengthening
7	Provision of assistantship to faculty members to attend seminars / workshops / conferences abroad for better exposures	Institutional strengthening
8	To build up a strong academic and research network with other institutions and industries.	Institutional strengthening
9	Providing academic support for the benefit of SC/ST, backward classes, minority and weak students	Employability and learning outcomes of graduates
10	Conducting faculty development programmes for engineering college teachers for enrichment/refreshment of knowledge which will help in quality teaching	Institutional strengthening
11	Implementation of e-governance through office automation to enhance the institutional management capacity.	Institutional strengthening and employability and learning outcomes of graduates

2.4 **Provide an action plan for: (max 1 page each)**

(a) Improving Employability of graduates:

For improving the employability of the students, the followings shall be implemented

- Periodic interactions with the Employers, Industries and the companies.
- Syllabus shall be updated according to industry needs.
- Induction of at least one expert member from industry into the Academic Council.
- Soft-skill training programmes shall be conducted to enhance the communication skills of the students.
- Industrial visits and industrial training programmes shall be the part of the curriculum.
- Industry-Institute Interaction programmes are to be conducted to bridge the gap between academic curriculum and industry requirements.
- Industrial Projects shall be undertaken by the students while pursuin their B.Tech programmes under the joint supervision of both faculty and industry personnel which can be made on-line.
-

Action plan improving Employability of graduates

Sl	Activity	Project duration in months															
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27`	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1	Periodic interactions with Employers, Industries and Companies																
2.	Syllabus updating																
3.	Soft-skill training programmes																
4.	Industrial Visits																
5.	Industrial Training																
6.	Industry-Institute Interaction Programmes																
7.	Industrial projects																

(b) Increased learning outcomes of the students

The followings are the action plan to increase the learning outcomes of the students.

Modernization and strengthening of UG & PG laboratories: The weaknesses in the existing laboratories shall be identified. A list of Equipments/Machines to be procured for strengthening these laboratories shall be prepared. The process for purchase of the same shall be initiated and then subsequently be procured and installed as per the guidelines laid down in the procurement manual.

Modernization of class rooms: Class rooms shall be modernized with provision of smart boards and computer interfaced LCD projectors for effective teaching.

Up-gradation of Central and Departmental Computer centre: The upgradation of the computer centers shall be taken up based on the outcome of hardware and software requirement analysis. Procurement process will be initiated after the analysis which will be followed by installation and training.

Providing academic support for the benefit of SC/ST, backward and minority weak students: As the first step academically weak students of different categories shall be identified. Then the modality of the proposed programme shall be defined. The financial implication of the said programme shall be analyzed and implemented.

Performance appraisal of individual students and the satisfaction index of the students: Special doubt clearing classes are to be arranged in the evening hours for the identified weak students which shall be taught by quality teachers. At the end of the course students' feedback will be taken. The satisfaction index of the students will then be analysed and will be communicated to the teacher-concerned.

Action plan increased learning outcomes of the students

Sl	Activity	Project duration in months															
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27`	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1	Modernization and strengthening of UG & PG laboratories																
	(i) Identification of weakness in the laboratories																
	(ii)List of Equipments/Machines to be procured for strengthening																
	(iii)Process of purchase																
	(iv)Procurement of Equipments/Machines																
	(v)Installation																
2.	Modernization of Classrooms																
	(i)Preparation of list of visual aid equipments																
	(ii)Preparation of Classrooms by small civil and electrical works																
	(iii)Process of purchase																
	(iv)Purchase of visual aids																
	(v)Installation of visual aids in the classrooms																
3.	Up gradation of Central and Departmental Computer Centre																
	(i)Requirement analysis in terms of hardware and software																
	(ii)Procurement process																
	(iii)Installation & Training																
4.	Providing academic support for the benefit of SC/ST, backward and minority weak students																
	(i)Selection of weak students																
	(ii)Modality of the proposed programme																
	(iii)Assessment of financial implication of the stated programme																
	(iv)Execution of the programme																

(c) Obtaining autonomous institution status within 2 years

The institute has been upgraded to a State Unitary University through enacting an act in the Odisha Legislative Assembly (Act 9 of 2009) with effect from 1st July, 2009 as Veer Surendra Sai University of Technology, Burla, Odisha (Formerly University College of Engineering, Burla). **The University has full autonomy with regard to Management, Administration, Finance and Academics**. The autonomy is exercised by a Board of Management (BoM) headed by the Vice-Chancellor as Chairman and Registrar as Convener along with members drawn from UGC, AICTE, Govt. of Odisha, Members of Legislative Assembly, Odisha, Members from Academic Council, Faculty, one Director from premier technical education like IIT and eminent alumni from industries and technical education.

The BoM has delegated managerial and administrative power suitably at each level such as Vice-Chancellor, Deans, Head of Departments, Professor-in-charges, etc. for smooth and effective management. Similarly the BoM has delegated justified financial power to the Vice-Chancellor, Comptroller of Finance, Deans, Heads and other concerned Professors-in-charge for rapid and useful utilization of funds received from various sources. The BoM has been empowered to recruit faculty and other staff of the University as per the requirement.

The academic activities are controlled by the Academic Council of the University which prescribes need based course curriculum, credit evaluation, inclusion of new courses, revision of existing courses, evaluation admission and other related guidelines for effective academic activities. Mostly the academic activities are controlled by the Head of the Departments with guidance from the Dean, Academic Affairs. The examination, evaluation and publication of results are controlled by the Controller of Examinations independently.

(d) Achieving the targets of 60% of the eligible UG and PG programmes accredited within two years of joining the Project and 100% accreditation obtained and applied for by the end of the Project of the eligible UG and PG programmes

Civil Engineering
Electrical Engineering
Mechanical Engineering
Electronics & Telecomm. Engg.
Computer Science & Engineering
Information Technology
Production Engg.

The following B.Tech. programmes of the University has been accredited by the National Board of Accreditation, AICTE.

1.	Civil Engineering	-	Applied
2.	Electrical Engineering	-	Applied
3.	Mechanical Engineering	-	Applied
4.	Electronics & TC Engineering	-	Applied
5.	Computer Science & Engineering	-	Applied
6.	Information Technology	-	Applied
7.	Production Engg.	-	Applied

The main challenges in obtaining accreditation to all UG and PG programmes are as given below.

1. Creation of new regular posts in non-accredited departments and filling up vacant regular posts.
2. Setting-up/Modernization of laboratories and computing facilities in the non-accredited UG and PG programmes.

The BoM has already approved the proposal for the creation of new post for faculty in its meeting. As per the decision taken in the BoM, the University has submitted the same proposal to the state govt. which is under active consideration of the Government. Further set-up and modernization of laboratories and computing facilities of the non-accredited programmes will be taken up with the financial assistance obtained from this project and completed within 2 years.

Action Plan for accreditation

Sl	Activity	Project duration in months															
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27`	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1	**Creation of new regular posts & filling up those posts**																
	(i)Creation of new regular posts in non-accredited departments																
	(ii)Filling up newly created posts																
2.	**Setting-up/Modernization of laboratories and computing facilities**																
	(i) Identification of weakness in the laboratories																
	(ii)List of Equipments/Machines to be procured for strengthening																

	(iii)Process of purchase																	
	(iv)Procurement of Equipments/Machines																	
	(v)Installation																	

e) **Implementation of academic and non academic reforms**

- Curricular reforms
- Improved students performance evaluation
- Performance appraisal of faculty by students
- Faculty incentives for continuing education
- Accreditation of UG & PG programmes
- Establishment of Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund
- Generation, retention and utilization of revenue generated through variety of activities
- Filling up all existing teaching and staff vacancies
- Delegation of decision making powers to senior institutional functionaries with accountability
- Academic support for weak students

Action plan implementation of academic and non academic reforms

S/N	Task	Activity	Project Duration in Months															
			1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1		**Academic Reforms**																
	I	Curricula reforms																
	Ii	Improved students performance evaluation																
	III	Performance appraisal of faculty by students																
	IV	Faculty incentives for continuing education																
	V	Accreditation of UG & PG programme																
2		**Non-Academic reforms**																
	I	Exercise of autonomy																
	Ii	Establishment of four funds																

	III	Generation ,retention and utilization of revenue generated through a variety of activities																	
	IV	Delegation of decision making powers to all senior institutional functionaries with accountability																	
	V	Academic support for weak students																	

f) **Improving interaction with industry**

- Formation of industry-institution interaction cell
- To conduct interactive workshops, conferences and guest lectures with members of industry
- To conduct industrial training , orientation courses, industrial visit for faculties and students
- To facilitate for professionals from industry as visiting faculties in institution and deployment of faculties to industries for gaining industrial experience and work on projects in industry.
- To associate exports from industries in curriculum development, student assessment
- Providing continuing education opportunities, short term training/refresher programme to industry personnels
- Inviting senior experts from industries for campus interviews

g) **Enhancement of research and consultancy activities**

This University has one Dean (SRIC) to look after the R&D activities amongst the faculty and students. The university has currently few R& D activities granted By DST,AICTE and other sponsored agencies.

The proposal must contain the action plan for increasing R &D activities amongst the faculty and the students. R&D should focus on improving present technologies, developing indigenous ones and enhancing production and productivity.

Action plan enhancement of research and consultancy activities

S/N	Task	Activity	Project Duration in Months															
			1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1		**Enhancement of research and consultancy activities**																
	i	R&D Activities																
	ii	Consultancy activities																

2.5 **Provide an action plan for organizing a Finishing School and for improving the academic performance of SC/ST/OBC/academically weak students through innovative methods, such as remedial and skill development classes for increasing the transition rate and pass rate with the objective of improving their employability.**

The focus shall be made by the University to improve the academic performance of SC/ST/OBC/academically weak students through innovative methods such as remedial teaching in professional subjects and soft skills development. The institution shall constitute a Finishing School with a senior faculty as coordinator. The key activities of the Finishing School shall be:

a) Conducting remedial teaching throughout academic sessions for improving transition rate and pass rate of students,

b) Conducting specialized soft skills and professional skills development training during semester breaks and vacations (preferably starting from 5th Semester onwards) for increasing employability,

c) Conducting high intensity training (of at least 4 weeks duration) for development of soft and professional skills in the students that graduate but fail to secure any employment, and

d) Organizing campus interviews and making other efforts to secure employment for graduate engineers that complete the training under activity (c) above.

The Finishing School activities shall be conducted using the existing infrastructure, laboratories, workshops, computer centres, library and the existing faculty. Expertise from outside the institution and from employer organizations shall be used.

Action Plan

S/N	Task	Activity	Project Duration in Months															
			1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1		Opening of Finishing School																
2		Procure of infra supports																
3		Activity (a)																
4		Activity (b)																
5		Activity (c)																
6		Activity (d)																

2.6 **Provide an action plan for strengthening of PG programmes and starting of new PG programmes**.

- The existing and new PG course of the university shall be strengthened by upgrading and modernizing the laboratories facilities by procuring equipments.
- Introducing the financial assistance to non-GATE students (M.Tech and Ph.D). Such students shall assist the department in teaching and other works for at least 8 hours per week.
- The university proposes to start the following new PG programmes.

  (i) Production Technology (Deptt. of Manufacturing Science and Engineering)

  (ii) Computer Science and Engineering (Department of Computer Science and Engineering)

  (iii) Environmental Engineering (Department of Civil Engg.)

  (iv) Geotechnical Engineering (Department of Civil Engg.)

Action Plan

S/N	Task	Activity	Project Duration in Months															
			1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48
1	I	Opening of New PG Programmes																
2	ii	Conducting various activities as proposed above																

2.7 Summary of Training Needs Analysis carried out. Also, provide Faculty Development Plan from the first 18 months for improving their teaching, subject area and research competence based on Training Need Analysis (TNA) in the following areas.

- Basic and advanced pedagogy
- Subject/Domain knowledge enhancement
- Attendance in activities such as workshops, seminars
- Improvement in faculty qualifications
- Improving research capabilities

The training Need Analysis (TNA) was carried out in the University in a larger scale in various phases. This involved all the vice chancellor, deans and Head of the departments, faculty (both regular and contractual), technical staffs, supporting staffs and officers. The filled-in format of TNA were furnished as Annexure-V. The analysis was carried out using the following methods.

a. Analysis of information gathered through questionnaire as per the suggested proforma meant for the various groups of employee.
b. Direct observations of the immediate superiors.
c. Interviews and difficulty analysis, and
d. Brainstorming sessions of similar as well as diversified groups

The information in the prescribed proforma was collected by individual sections/departments and their needs were identified keeping in view the departments' objectives and priorities. While deciding on the needs the personal objectives of individuals in relation to development of various skills are also considered. Further, the individual and the department's objectives are also aligned with the University's objectives during the process of need analysis. The information obtained through the above methods and the outcomes of their analysis are as given below.

The class IV and supporting staffs need attitudinal and mindset change, motivation, communication skill and personality development and acquaintance with e-processes and automation. The suggested training programmes can be workshops on automation, personality development programmes and other motivational programmes in the changed scenario of work culture.

It was observed that there is a need for the faculty members, especially to those who will be recruited recently or teaching experience having less than three years or the contract teachers. A larger fraction of the teachers will be given basic and advanced pedagogical training depending on:

- Handling of the subjects,
- Experience and competence,
- Students and peers' feedback.

The Faculty Development Plan is prepared as follows.

- Selected faculties will be exposed to subject/domain knowledge enhancement programmes conducted by various institution/universities to make them more knowledgeable on the latest technology & research methodology so that they impart better teaching/training to students.
- Sponsoring for conferences/workshops and to attend short term/ long term courses.
- Deputing for exclusive high end training in Universities/Institutes of international repute.
- Encouraging to take-up collaborative projects in national and international levels.
- TNA to be a regular feature in the activity calendar of the University and faculty shall be sponsored for various skill development based on TNA.
- The Faculty Development Plan is also based on the following:
- Preparation of strategic plan of the University and making every stake holder a part in the process.
- Students' feedback system is in place and taken into consideration for deciding on training needs.
- Professional aspirations of individuals are taken into account keeping in view of the present and future needs of the Department/ University.
  Further such faculty shall be participating in various refresher course on personality development and communication skill.

The HoD's and Deans will be given additional training on workforce management, quality management, scope of consultancy and R&D activities, laboratory development, sponsored research project, interaction with industries and other management skills through various seminars. The training of officers and other people involved in administration will be focused on motivation, planning and implementation of various projects and human resource management through seminars and cross cultural brain storming sessions. The training need of the vice chancellor will be focused on institutional development and management, resource generation, strategies for sustainability through exposure to premier institution of excellence.

2.8 Provide an Action Plan for training technical and other staff in functional areas

Training of technical staff has been planned based on TNA, in following places

- Various industries viz. Manufacturing, Electronic, Processing & IT
- Research and Development Organizations within the country
- Academic Institutes (class room training in the university as well as in other institutes).

Training of Administrative staff for office automation, modern office management, finance accounts, management, use of modern gadgets, etc.

These personnel will be deputed on such training programmes on rotation basis during summer vacation and semester breaks based on periodic assessment of needs.

2.9 Describe the relevance and coherence of Institutional Development Proposal with State's Industrial / economic Development Plan

The Industrial Policy Resolution (IPR) of Orissa 2001 has put in place a robust policy framework for industrial promotion and investment facilitation in the State, including creation of an enabling environment. The Industrial Policy Resolution 2007 aims at reinforcing and further expanding this process. In response to the strategic initiative taken by the State to leverage its abundant mineral and other natural resources to promote maximum value addition within the State, a large number of investment proposals have been received for setting up of mineral based industries such as steel, power, alumina and aluminium. During this period, the State Government have executed Memoranda of Understanding (MoU) with several leading private investors, including foreign companies for setting up of steel, alumina / aluminium, power, cement and other projects in the State involving a total investment of about Rs.400,000 crore.

VSSUT, Burla is located in the Western part of Orissa in the midst of a number of industries, like Vedanta Alumina, INDALCO, Mahanadi Coal Field Ltd., Sponge-iron based steel industries, ACC, Tata Refractory Ltd., NALCO etc and other Govt. organizations/undertakings such as Hirakud Dam, Orissa Hydro Power Corporation, Orissa Power Generation Corporation WESCO etc. Many industries are also in pipeline to set up their plants in and around of 50 km of the university. With so many industries coming up in quick succession, there is already a great demand for technical graduates that is likely to increase even more in future. The industries also require a lot of R&D support and consultancy services. VSSUT, Burla can play an important role in this field by providing well trained technical graduates and post graduates and by rendering technical assistance

2.10 Describe briefly the participation of departments / faculty in the proposal preparation and implementation

Proposals were invited from the individual depts. The department provided information related to equipment, training and consultancy services. The response was very encouraging and huge. A number of intra departmental and interdepartmental discussions sessions was held. The department subsequently fine-tuned their proposals. The proposals were forwarded, prepared and defended with the active co-operation of every individual faculty.

Various committees have been constituted at University level for preparation of the proposal and its implementation.

I. Committee for preparation of the proposal.

1. Prof. D. Dhupal, Professor in Production Engineering & Coordinator,TEQIP-II
2. Prof. S. Panda, Professor in Electrical Engineering
3. Prof. P. K. Hota, Professor in Electrical Engineering
4. Prof. S. Agrawal Associate Professor in Manufacturing Science & Engineering
5. Dr.C. R. Mohanty, Associate Professor in Civil Engineering.
6. Prof. P.K. Modi, Professor in Electrical Engg. Deptt.

II. Committee for procurement III. Academic Committee

IV. Financial Management Committee V. Monitoring & Evaluation Committee

2.11 **Describe the Institutional project implementation arrangements with participation of faculty and staff.**

At the Institutional level, the project will be implemented by the Institutional TEQIP Units under the overall guidance of the Board of Management (BoM). Other committees for academic activities, civil works, procurement, financial management and equity assurance plan etc. have also been formed. These units will be responsible for monitoring project implementation, achievement of targets and indicators, ensuring institutional reforms and organizing performance auditing from time to time.

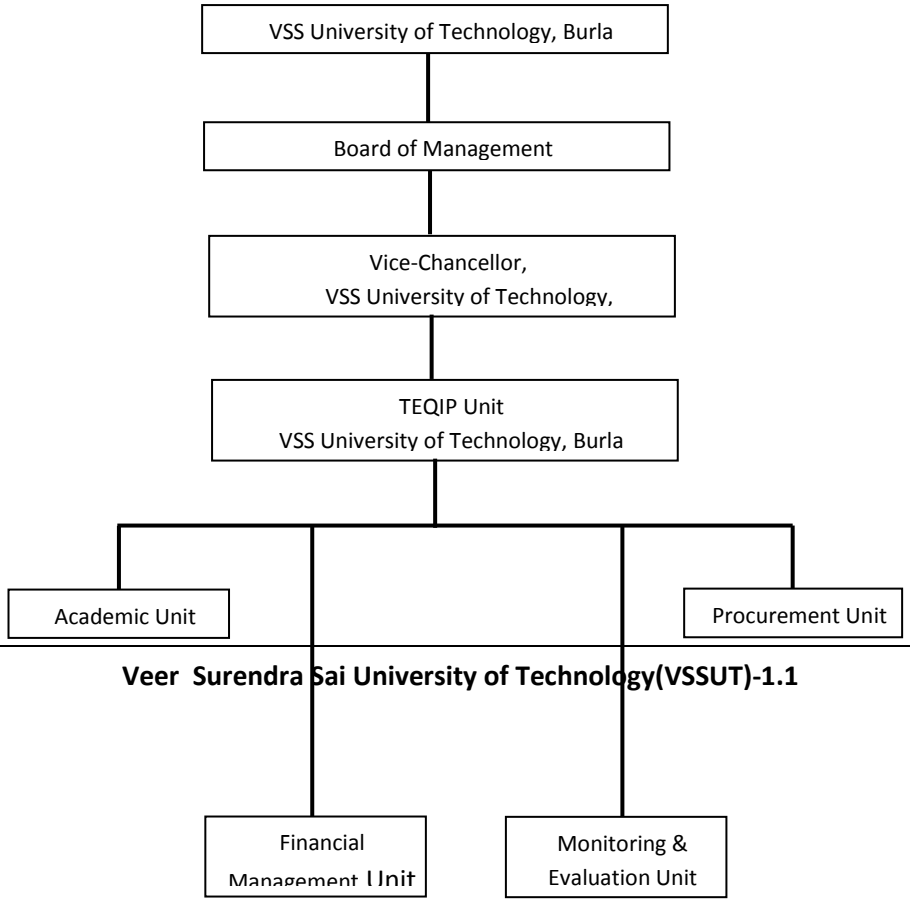


Chart showing the Implementation arrangement at Institution Level

2.12 Provide an Institutional project budget

S. No	Activities	Project Life Allocation(cr)	Financial year				
			2010-11	2011-12	2012-13	2013-14	2014-15
1	Infrastructure improvements for teaching, training and learning through:						
	(i) Modernization and strengthening of laboratories	1.8	-	0.8	0.8	0.2	-
	(ii) Establishment of new laboratories for existing UG and PG programmes and for new PG programmes	1.2	-	1.0	0.2	-	-
	(iii) Modernization of classrooms*	0.3	-	0.15	0.15	-	-
	(iv) Updation of Learning Resources	0.3	-	0.15	0.15	-	-
	(v) Procurement of furniture	0.2	-	0.2	-	-	-
	(vi) Establishment/Upgradation of Central and Departmental Computer Centers*	0.3	-	0.20	0.10	-	-
	(vii) Modernization/improvements of supporting departments*	0.3	-	0.2	0.1	-	-
	(viii) Modernization and strengthening of libraries and increasing access to knowledge resources	0.4	-	0.2	0.2	-	-
	(ix) Refurbishment (Minor Civil Works)*	0.5	-	0.2	0.2	0.1	-
2	Providing Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in Engineering disciplines	1.0	-	0.25	0.25	0.25	0.25
3	Enhancement of R&D and institutional consultancy activities*	0.2	-	0.1	0.05	0.05	-
4	Faculty and Staff Development (including faculty qualification upgradation, pedagogical training, and organising/participation of faculty in workshops, seminars and conferences) for improved	1.0	-	0.35	0.30	0.25	0.10
5	Enhanced Interaction with Industry	0.4	-	0.15	0.1	0.1	0.05
6	Institutional management capacity enhancement	0.3	-	0.2	0.1	-	-
7	Implementation of institutional reforms	0.2	-	0.1	0.1	-	-
8	Academic support for weak students under the aegis of	0.4	-	0.1	0.1	0.1	0.1
9	Technical assistance for procurement and academic activities	0.2	-	0.1	0.1	-	-
10	Incremental Operating Cost	1.0	-	0.35	0.25	0.25	0.15
TOTAL ₹ (in Cr.)		10		4.80	3.25	1.3	0.65

* Not applicable for private unaided institutions.

2.13 **Provide the targets against the deliverables**

SL No	Deliverables	Base-line	Targets to be achieved	
			At the end of 2 years of	By project closing
1	Number of students registered for (a) Masters in Engineering programme (b) Doctoral programme in Engineering	 92 -	 120 08	 150 15
2	Revenue from externally funded R&D projects and consultancies in total revenue (Rs. in lakh)	16.5	30	50
3	Number of publications in refereed journals (a) National (b) International	 20 52	 35 70	 50 90
4	IRG as % of total annual recurring expenditure	15.3	17	20
5	Number of co-authored publications in refereed journals (a) National (b) International	 15 42	 30 60	 40 70
6	Student credentials (a) campus placement rate of UG students PG students (b) average salary of placement package for (₹ in lakh per annum) UG students PG students	 100% 70% 3.5 3.5	 100% 80% 4.0 4.0	 100% 100% 4.5 4.5
7	Number of collaborative programmes with Industry	-	5.0	8.0
8	Accreditation status (obtained and applied for)	05 (Obtained)	Minimum 60% of UG + PG	100% of eligible UG + PG programmes
9	Vacancy position for faculty and staff	Faculty - 35 Staff - 22	Vacancy reduced to 10% or less	Zero
10	Percentage of regular faculty having a Masters Degree or a Doctorate Degree in Engineering disciplines	100%	Not Applicable	Not Applicable
11	Transit rate from 1st to 2nd year for the following: All Students SC and ST Students OBC Students Women Students	 97% 100% - 100%	 100% 100% - 100%	 100% 100% - 100%
12	Autonomy status	Full	NA	NA
13	Enrolment of faculty with only Bachelor Degree for qualification upgradation	Nil	NA	NA
14	Any other academic deliverables (maximum 3)			
(i)	QIP Center			
(ii)	Continuing education program education			

2.14 **Give an action plan for ensuring that the project activities would be sustained after the end of the Project**.

As per the guidelines on implementation of reforms,4 (four) nos. of funds, i.e., (i) corpus fund (ii) Faculty Development Fund, (iii) Equipment Replacement Fund and (iv) Maintenance Fund have already been created under separate bank accounts. These funds will be utilized to ensure sustainability of the reform process beyond the project period.

2.15 **Provide a Procurement Plan for the first 18 months for Goods and Civil Works in Table-31 and Consultant Services in Table-32 with budget and timeframe.**

18-month Procurement Plan for Works and Goods* for Sub-Component 1.1

Name of the institution with location**: Veer Surendra Sai University of Technology (VSSUT),Burla, Odisha**

Package No.	Sl No.	Activities	Description of Works/Goods	Estimated Cost (Rs Cr.)	Method of Procurement	Design/Investigation Completion/Specification Finalization (Date)	Estimate Sanctioned (Date and Value)	Preparation of Bid Document (Date)	Receipt of Bank's No Objection to Bidding Document (Date)**	Bids		Contract Award (Date/Value)	Date of Completion of Contract
										Invitation (Date)	Opening (Date)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	Civil works	(i) Repair Works (ii) Refurbishment Works	0.1 0.1	NCB/ Direct contracting	30.05.2011	30.06.11	30.07.2011	30.08.2011	30.09.2011	15.10.2011	Within one month from the opening bid	30.06.2012
2	2	Goods	Equipments	1.8	NCB/Direct contracting/ DGS&D	30.05.2011	30.06.11	30.07.2011	30.08.2011	30.09.2011	30.10.2011	Within one month from the opening bid	30.06.2012
3 3	3	Goods	Furniture	0.2	Shopping/ DGS&D/ State ICB	30.05.2011	30.06.11	30.07.2011	30.08.2011	30.09.2011	15.10.2011	Within one month from the opening bid	30.06.2012
4	4	Goods	Books, Propriety software, learning resources and educational materials	0.7	Direct contracting/ State ICB	30.05.2011	30.06.11	30.07.2011	30.08.2011	30.09.2011	30.10.2011	Within one month from the opening bid	30.06.2012
5	5	Goods	Minor items	0.01	Direct contracting	30.05.2011	30.06.11	30.07.2011	30.08.2011	30.09.2011	15.10.2011	Within one month from the opening bid	30.06.2012

* Goods cover Equipment, Furniture and Books and Learning Resources **Details of goods is furnished in Annexure-IV**

** Applicable in case of 'Prior Review' by the World Bank.

Note: For Column 6, state ICB/NCB/Direct Contracting/Shopping method as appropriate

18-month Procurement Plan for Consultant Services for Sub-Component 1.1

Name of the institution with location: **Veer Surendra Sai University of Technology (VSSUT), Burla, Odisha**

Sl No.	Activities	Description of Services	Estimated Cost (Rs)	Methods of Selection @	**TOR** Finalization (Date)	Advertisement (Date)	*RFP Final Draft to be Forwarded to the Bank (Date)**	No Objection from the Bank for RFP (Date)**	RFP Issued (Date)	Proposals Received (Date)	Evaluation (Date)	No Objection by the Bank (Date)**	Contract Value and Date of Award	Contract Completion (Date)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Services	Research contracts, professional services, training, workshops and fellowships	0.75	QCBS/ SFB/ LBS/ SSS	30.04.2011	30.05.2011	30.08.2011	30.07.2011	10.08.2011	25.08.2011	Within one month from the proposal received	25.10.2011	30.11.2011	30.03.2012

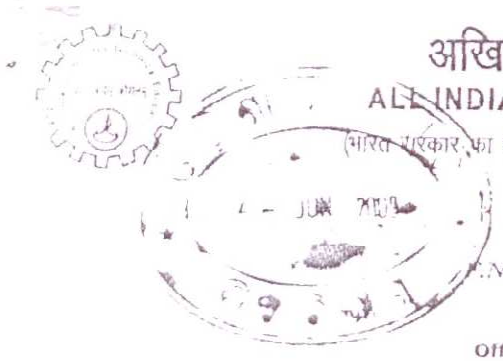
♦RFP (Request for Proposal): Same as 'Bid Document' #Technical and Financial
** Applicable in case of 'Prior Review' by the World Bank
@ State whether (i) Single firm or individual; or (ii) Competitive procedure. If Competitive, then state whether Quality & Cost Based Selection (QCBS) or Quality Based Selection
(QBS) procedure.

2.16 **Provide any other information related to special academic achievements as given in Eligibility proposal of the institution**.

The Veer Surendra Sai University of Technology, Burla (formerly University College of Engineering, Burla) is the 1st Engineering College in the State of Odisha and was established in the year 1956. Due to its excellence in teaching, R&D and industrial consultancy, UGC has granted Autonomous status in 1992 which is first of its kind in the State. Further the State Government has moved to MHRD/UGC/AICTE to upgrade UCE to a Deemed-University. However, the Orissa Legislative Assembly has enacted an act to upgrade UCE, Burla to an unitary university in December, 2008.

It has the following special achievements made since its inception.

(a) 54 years of excellence in engineering education, consultancy and research.
(b) 1st College in the State to offer programs in PG and Ph D since 1969.
(c) The ministry of Rural Development, Govt. of India has selected as the State Technical Agency (STA) for PMGSY works in Orissa.
(d) The ministry of Home Affairs, Govt. of India has selected the University as the Sate Resource Institute (SRI) under the scheme “National Capacity Building for Engineers for Risk Management (NCBERM)”.
(e) The University has bagged major project through DST-FIST programme in 2009.
(f) One of the 13 technical institutions of India, short listed by MHRD, for Japanese Grant in Aid in 1992-93.
(g) A recent survey conducted at the national level has placed UCE in the top 50 technical colleges of the nation in the year 2009.
(h) The institute has been recognized as the nodal centre for Engineering Research both by the Sambalpur University and Biju Patnaik University of Technology, Orissa
(i) The University has applied for QIP Centre to facilitate post graduate and research studies for engineering teachers in the country.



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT OF INDIA)

F.No.AICTE/ESS [illegible]/GOA/APPROVAL/2009-10

Date: 25/05/09

Office Order

Sub: Extension of approval to AICTE approved technical institutions (Engg. & Tech) in the State of Orissa for the academic year 2009-10 reg.

Sir,

I am directed to inform that as per the Regulations notified by the Council vide F.No.37-3/Legal/2006 dated 14th September 2006 and norms, standards, procedures and conditions prescribed by the Council from time to time, the Council has accorded Extension of approval to the following technical institutions for the academic year 2009-10.

STATUS OF APPROVAL FOR AICTE APPROVED ENGINEERING INSTITUTIONS FOR THE YEAR 2009-10
(Self Financing / Govt./Govt. Aided)

REGION: Eastern STATE : ORISSA

Name of the Institute/Year of Establishment/ Address	Course	Intake 2008-09	Intake 2009-10
[illegible] ACADEMY OF SC. & TECH. [illegible] NATIONAL INSTITUTE OF TECHNOLOGY & [illegible] ANANTAPUR,PO: PHULNAKHARA,DIST.- [illegible] 754 001	APP. ELECTRONICS & INSTRU ENGG	60	60
	BIO-MEDICAL ENGINEERING	22	22
	COMPUTER SCIENCE & ENGG	60	60
	ELECTRICAL ENGG	60	60
	ELECTRONICS & TELECOMMUNICN ENGG	60	60
	ENVIORNMENTAL ENGG	30	30
	INFORMATION TECHNOLOGY	60	60
	MECHANICAL ENGG	60	60
PRIVATE NO GRANT/2001	TOTAL	412	412
DR. B. Mohanty DOB:- 14.04.1946 Ph:- 0671-2356933 Fax:- 0671-2356721 Email:- info@eastodissa			
SHANKHYAM HEMALATA INST OF TECH & MANAGEMENT MAGANADA JENA VIHAR CHHAITANA-761007, PURI, ORISSA	COMPUTER SCIENCE & ENGG	60	60
	ENGINEERING	60	60
	ELECTRICAL ENGINEERING	60	60
	ELECTRONICS ENGG & TELECOMM ENGG.	60	60
	MECHANICAL ENGINEERING	60	60
PRIVATE NO GRANT/1997	TOTAL	240	240
Prof. J. Moharana DOB:- 05.03.1946 Ph:- 06752-246612/ 246613/ 246627 Fax:- 06752-233960/ Email:- ghitm@hotmail.com			
[illegible]SE KRISHNA COLLEGE OF ENGINEERING & [illegible]HNOLOGY [illegible]M, GOURAHARI COLLEGE OF ENGG & TECH , JEYPORE - [illegible]64 005, ORISSA.	CIVIL ENGG	30	
	ELECTRICAL ENGINEERING	30	Pending – Compliance Report not received.
	ELECTRONICS & TELECOM ENGG	43	
PRIVATE NO GRANT/1999	TOTAL	103	
Prof.(Dr.) G.S. Rao [illegible] 06858 Ph. No.:- 247176/251301 Fax No.:- 251338			

Annexure-II

SAHEED NAGAR, BHUBANESWAR-751 007.	ELECTRICAL ENGINEERING	90	90
	ELECTRONICS & TELECOMM ENGINEERING*	120	120
	INFORMATION TECHNOLOGY*	60	50
PRIVATE NO GRANT/1994	MECHANICAL ENGINEERING*	120	120
Dr. T.C. Panda	COMPUTER SCIENCE & ENGINEERING (M.TECH)	18	18
DOB:- 05.09.1946	MECHANICAL ENGG. (M.TECH)	18	18
Ph:- 0674-2495311/ 2517200			
Fax:- 0674-2501511	TOTAL	576	576
Email:- principal_oec@yahoo.co.in	*Accredited for 3 years w.e.f. 27.07.2006		

STATUS OF APPROVAL FOR APPROVED ENGINEERING DEPARTMENTS
(UNIVERSITIES/DEEMED UNIVERSITIES) FOR THE ACADEMIC YEAR 2009-10

REGION : EASTERN — STATE : ORISSA

S.N o.	Name & Address of the Institution/Name Head of the Institution	Courses	Approved Intake for 2008-09	Approved Intake for 2009-10
	COLLEGE OF ENGG. & TECH, TECHNO CAMPUS, NAGAR, BHUBANESWAR, ORISSA - 751 003 UNIVERSITY/1981 (Institute of Textile Technology merged with College of Engg & Tech.) Prof. S.K. Mishra STD Code :0674- Ph. No. :63420/563079 /471519/470224 Fax Email:-	CIVIL ENGG COMPUTER SC. & ENGINEERING COMPUTER SCIENCE & ENGINEERING (M.TECH) ELECTRICAL ENGINEERING INDUSTRIAL ENGG & MANAGEMENT (M.TECH) INFORMATION TECHNOLOGY INSTRUMENTATION & ELECTRONICS MECHANICAL ENGINEERING STRUCTURAL ENGG. (M.TECH) FASHION TECHNOLOGY TEXTILE ENGINEERING BIO-TECHNOLOGY INFORMATION TECHNOLOGY (M.TECH) TOTAL	Pending : Complaince Report not Submitted	Pending : Complaince Report not Submitted
	UNIVERSITY COLLEGE OF ENGG. BURLA, POLY. ENGG. COLLEGE, SAMBALPUR - 768 018. UNIVERSITY/1993 Prof. (Dr.) C.R. Tripathy DOB:- 23.07.1960 Ph:- 0663-2430211 Fax:- 0663-2430204 Email:- principal@vcelburla.ac.in	CIVIL ENGG* COMPUTER SCIENCE & ENGINEERING* COMUNICATION SYSTEMS (M.E) ELECTRICAL ENGINEERING ELECTRONICS & TELECOMM. ENGINEERING* HEAT POWER ENGG (M.E) HYDRAULICS & IRRIGATION ENGG (M.E) INFORMATION TECHNOLOGY MACHINE DESIGN AND ANALYSIS (M.E) MANUFACTURING SCIENCE & ENGINEERING MECHANICAL ENGINEERING* POWER SYSTEM ENGG (M.E) PRODUCTION ENGG (M.E) STRUCTURAL ENGG (M.E) TRANSPORTATION ENGG (M.E) TOTAL *Accredited for 3/5 years w.e.f. 27.07.2006	60 90 18 60 30 12 18 40 12 30 60 18 12 13 13 486	60 90 18 60 30 12 18 40 12 30 60 18 12 13 13 486
	KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY AT/P.O: KIIT, PATIA BHUBANESWAR- 751024 KHURDA, ORISSA UNIVERSITY DEPT. /1997 Prof. (Dr.) S.C.De Sarkar DOB:- 03.09.1944 Ph:- 0674-441998/ 443271 Fax:- 0674-554464	CIVIL ENGG COMPUTER SC. & ENGG. (M.TECH) COMPUTER SCIENCE & ENGINEERING ELECTRICAL ENGINEERING ELECTRONICS & ELECTRICAL ENGG. ELECTRONICS & TELECOMM. ENGG (M.TECH) ELECTRONICS & TELECOMM. ENGG. INFORMATION TECHNOLOGY MECHANICAL ENGINEERING POWER ELECTRONICS (M.TECH) MECHANICAL ENGG. (PRODUCTS & SYS.) (M.TECH) CIVIL (CONSTRUCTION ENGG.) (M.TECH) TOTAL	60 25 120 120 60 25 180 120 120 25 18 18 831	60 25 120 120 60 25 120 120 120 25 18 18 831
	NATIONAL INSTITUTE OF TECHNOLOGY	CIVIL ENGG.	Pending :	Pending :

GOVERNMENT OF ORISSA
INDUSTRIES DEPARTMENT

NOTIFICATION

Bhubaneswar, dated the 10th June, 2009

IV-TTI-33/2009-8553/I, In pursuance of sub-section (1) of section 3 of the Veer Surendra Sai University of Technology Act, 2008 (Orissa Act 9 of 2009), the State Government do hereby establish a University to be known as the Veer Surendra Sai University of Technology for the purpose of the said Act with effect from the 1st day of July, 2009.

By order of the Governor

R.N. Dash
Commissioner-cum-Secretary to Government

Memo No. 8554/I, Bhubaneswar, dated the 10th June, 2009.

Copy forwarded to the Director, Printing, Stationery and Publication, Orissa, Cuttack for information and necessary action.

He is requested to kindly publish this Notification in extra-ordinary Gazette of Orissa and supply 200 (two hundred) copies of the notification to this Department.

10/6/09
Deputy Secretary to Government

Memo No. 8555/I, Bhubaneswar, dated the 10th June, 2009.

Copy forwarded to the Private Secretary to His Excellency the Governor of Orissa, Raj Bhawan, Bhubaneswar for kind information of His Excellency the Governor of Orissa.

10/6/09
Deputy Secretary to Government

Memo No. 8556/I, Bhubaneswar, dated the 10th June, 2009.

Copy forwarded to the Accountant General, Orissa, Bhubaneswar/Comptroller & Auditor General of India, 9, Deen Dayal Upadhyay Marg, New Delhi, 110124/ Ministry of Human Resource & Development, Shastri Bhawan, New Delhi/University Grant Commission, Bahadur Shah Zafar Road, New Delhi/All India Council for Technical Education, 7th Floor, Chander Lok Building, Janpath, New Delhi-110001/Regional Officer, AICTE-Eastern Regional Office, LB Block, Sector-III, College of the Leather Technology Campus, salt Lake City, Kolkata-7000091 for information and necessary action.

10/6/09
Deputy Secretary to Government
P.T.O.

GOVERNMENT OF ORISSA
INDUSTRIES DEPARTMENT

NOTIFICATION

Bhubaneswar, dated the 10th June, 2009

IV-TTI-33/2009-8564/I, In exercise of the powers conferred by sub-section (3) of section 1 of the Veer Surendra Sai University of Technology Act, 2008 (Orissa Act 9 of 2009), the State Government do hereby appoint the 1st day of July, 2009 as the day on which the said Act shall come into force.

By order of the Governor

R.N. Dash
Commissioner-cum-Secretary to Government

Memo No. 8565/I, Bhubaneswar, dated the 10th June, 2009.

Copy forwarded to the Director, Printing, Stationery and Publication, Orissa, Cuttack for information and necessary action.

He is requested to kindly publish this Notification in extra-ordinary Gazette of Orissa and supply 200 (two hundred) copies of the notification to this Department.

Deputy Secretary to Government

Memo No. 8566/I, Bhubaneswar, dated the 10th June, 2009.

Copy forwarded to the Private Secretary to His Excellency the Governor of Orissa, Raj Bhawan, Bhubaneswar for kind information of His Excellency the Governor of Orissa.

Deputy Secretary to Government

Memo No. 8567/I, Bhubaneswar, dated the 10th June, 2009.

Copy forwarded to the Accountant General, Orissa, Bhubaneswar/Comptroller & Auditor General of India, 9, Deen Dayal Upadhyay Marg, New Delhi, 110124/ Ministry of Human Resource & Development, Shastri Bhawan, New Delhi/University Grant Commission, Bahadur Shah Zafar Road, New Delhi/All India Council for Technical Education, 7th Floor, Chander Lok Building, Janpath, New Delhi-110001/Regional Officer, AICTE-Eastern Regional Office, LB Block, Sector-III, College of the Leather Technology Campus, salt Lake City, Kolkata-7000091 for information and necessary action.

Deputy Secretary to Government

The Orissa Gazette

EXTRAORDINARY

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No. 166, CUTTACK, THURSDAY, FEBRUARY 12, 2009 / MAGHA 23, 1930

LAW DEPARTMENT

NOTIFICATION

The 12th February 2009

No. 2364/I-Legis.50/08—The following Act of the Orissa Legislative Assembly having been assented to by the Governor on the 9th February, 2009 is hereby published for general information.

ORISSA ACT 9 OF 2009

THE VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY ACT, 2008

AN ACT FOR CONVERTING UNIVERSITY COLLEGE OF ENGINEERING, BURLA INTO A UNITARY UNIVERSITY AND TO PROVIDE FOR MATTERS CONNECTED THEREWITH OR INCIDENTAL THERETO.

BE it enacted by the Legislature of the State of Orissa in the Fifty-ninth Year of the Republic of India as follows:—

CHAPTER I

PRELIMINARY

Short title, extent and commence-ment.

1. (*1*) This Act may be called the Veer Surendra Sai University of Technology Act, 2008.

(*2*) It shall extend to the geographical areas of the University College of Engineering, Burla and such other areas within the jurisdiction of Burla Notified Area Council as the State Government may notify.

(*3*) It shall come into force on such date as the State Government may, by notification appoint.

ANNEXURE – IV

LIST OF GOODS

EQUIPMENT

DEPARTMENT OF CIVIL ENGINEERING

S/N	Name of Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	GIS Lab: Arc Info Software	1	9.50
2	Structural Lab: i) Load Shell ii) LVDT	 1 1	 2.50 2.00
3	Geotech Lab: Digi Triaxial System(IS 2720 part xi &xii)	 1	 9.00
4	Environmental Lab: (i) Respirable dust sampler (ii) Stack monitoring kit (iii) Fluoride analyzer	 1 1 1	 1.50 1.00 1.00
5	Hydraulics Lab: Reynold's apparatus and others	 1	 2.50
6	Transportation Lab: Oven	 1	 1.50
7	Concrete Lab: Ultrasonic tests	 1	 6.00
		TOTAL	**36.50 lakhs**

DEPARTMENT OF MECHANICAL ENGINEERING

S/N	Name of Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Wire cut EDM	1	24.00
		TOTAL	**24.00 lakhs**

DEPARTMENT OF ELECTRICAL ENGINEERING

S/N	Name of Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Smart Grid Trainer	1	20.00
		TOTAL	**20.00 lakhs**

DEPARTMENT OF ELECTRONICS & TELECOM ENGINEERING

S/N	Name of Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Microwave Test Bench	1	2.50
2	Microstrip Trainer Kit	1	2.00
3	Ansys HF Suite	1	6.12
4	Codence Licence	1	10.00
5	NiLabview	1	4.50
		TOTAL	**25.12 lakhs**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Network Simulator QUALNET	1	10.00
2	Hardware Lab Trainer Kit	1	12.00
		TOTAL	**22.00 lakhs**

DEPARTMENT OF MANUFACTURING SCIENCE & ENGINEERING

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Coordinate Measuring Machine 1.2m. 0.0005" accuracy, 6 axis	1	22.00
2	Rapid Prototyping Machine	1	23.95
		TOTAL	**45.95 lakhs**

DEPARTMENT OF CHEMISTRY

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Spectrophotometer	01	11.00
		TOTAL	**11.00 lakhs**

DEPARTMENT OF PHYSICS

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Ball Mill	01	10.00
		TOTAL	**10.00 lakhs**

DEPARTMENT OF MATHEMATICS

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Mathematica Licence	12	6.00
		TOTAL	**6.00 lakhs**

CENTRAL RESEARCH FACILITIES

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	SEM (Scanned Electron Microscope)	1	133.00
2	EDS	1	25.00
		TOTAL	**158.00 lakhs**

PREPARATORY LEARNING RESOURCES

S/N	Name of the Department/Software/Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	LCD Projector :		09.63
	Civil Engineering	1	
	Electrical Engineering	1	
	Electronics & Telecom Engineering	1	
	Mechanical Engineering	1	
	Computer Science & IT Engineering	1	
	Manufacturing Science & Engineering	1	
	Physics	1	
	Chemistry	1	
	Mathematics	1	
	Student Welfare Office	1	
	Central Library	1	
	MCA	1	
	Seminar Hall	1	
	Vice Chancellor's Office	1	
2	Laptop :		09.49
	Civil Engineering	1	
	Electrical Engineering	1	
	Electronics & Telecom Engineering	1	
	Mechanical Engineering	1	
	Computer Science & IT Engineering	1	
	Manufacturing Science & Engineering	1	
	Physics	1	
	Chemistry	1	
	Mathematics	1	
	Dean, Student Faculty Planning	1	
	Dean, Academic Affairs	1	

	Central Library Seminar Hall Registrar office TEQIP Cell	1 1 1 1	
3	Photocopier: Civil Engineering Electrical Engineering Electronics & Telecom Engineering Mechanical Engineering Computer Science & IT Engineering Manufacturing Science & Engineering Physics Chemistry Mathematics MCA Central Workshop Humanities Dean, Student Welfare Account Section Establishment Section	 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	07.95
4	Multifunction Printer : All Department's Faculty members	90	09.99
		TOTAL	**37.06 lakhs**

CENTRAL RESEARCH FACILITY

S/N	Name of the Equipment	Quantity	Approx. Cost (Rs)(Lakh)
1	Scanning Electron Microscope	1	133.00
2	EDS	1	25.00
		TOTAL	**158.00 lakhs**

BOOKS & JOURNALS

S/N	Name of the Department	Approx. Cost (Rs)(Lakh)
1	Central Library	20.00
	TOTAL	**20.00 lakhs**

FURNITURE

S/N	Furniture	Approx. Cost (Rs)(Lakh)
1.	Class Room	20.00
2.	Civil Engineering	
3.	Electrical Engineering	
4.	Mechanical Engineering	
5.	Electronics & TC Engineering	
6.	Computer Science & Engineering	
7.	Manufacturing Science & Engineering	
8.	Physics	
9.	Chemistry	
10.	Mathematics	
11.	Humanities	
12.	Seminar Halls	
	TOTAL	**20.00 lakhs**