

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY,
BURLA, SAMBALPUR – 768018, ODISHA**

**ADVERTISEMENT FOR ADMISSION INTO
Ph.D PROGRAMME SPRING - 2015**

No. VSSUT/ACD/ 1407

Dated : 22.11.2014

The Veer Surendra Sai University of Technology, Odisha, Burla invites application for admission into Regular/Sponsored **“Ph.D Programme for Spring - 2015”** in the broad disciplines of Engineering (Civil Engineering, Computer Science and Engineering & Information Technology, Electrical Engineering & Electrical & Electronics Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering, Production Engineering) & Basic Science (Chemistry, Physics & Mathematics).

The interested candidates may download the application form and submit a hard copy of the signed completed application alongwith non-refundable demand draft of **Rs.500/- (Rs.200/- in case of SC/ST candidates)** in favour of VSSUT, Burla payable at Syndicate Bank (Code - 8062) or SBI, Burla (Code - 2034) and send the same by **Speed Post only** so as to reach the **Dean, Academic & PGS&R, VSSUT, Burla** by **08.12.2014**. The envelope containing the application should be superscribed as **“Application for Ph.D Programme Spring-2015” alongwith the name of the Department as applicable**. Financial assistance shall be provided to few full time Ph.D scholars in each Department as per the University guidelines and availability of funds.

For detailed information, please visit University website www.vssut.ac.in

The authority reserves the right to accept/reject any or all the applications or the entire selection process without assigning any reason thereof.

Sd/-Registrar

Memo No.VSSUT/ACD/ 1408(30)

Dated : 22.11.2014

Copy to :

1. University Notice Board
2. Dean, Faculty & Planning with a request to display the advertisement in University website alongwith information for admission to Ph.D Programme, Spring - 2015
3. All Deans/HODs/COF/COE for information & necessary action.
4. Display line, Saheed Nagar, Bhubaneswar with a request to publish the notice in daily Samaj, (All Odisha Edition) & Times of India (Odisha Edition) on or before 23.11.2014 using minimum space in I&PR rate as applicable to Government Educational Institute/Universities. The bills in triplicate along with copy of the concerned issue may be submitted for necessary payment after the publication.
5. P.A to V.C for kind information of Hon'ble Vice-Chancellor.
6. Registrar, BPUT/IGIT/NIT/IIT, Kharagpur/IIT, Bhubaneswar/ Principal, CET, Bhubaneswar with a request to display it on their Notice Board for information of students.

REGISTRAR

INFORMATION FOR ADMISSION TO Ph.D. PROGRAMME, SPRING – 2015

DETAILED PROGRAMME

Programme	Last date of Receipt of Application by Speed Post	Last date of display of short listed candidates in VSSUT Website	Date of the Written Test & Interview at VSSUT, Burla Time : 09.00 AM	Last date of Publication of list of Selected candidates in VSSUT Website Date of Admission and Fees collection
Ph.D (Engg. & Science)	08.12.2014	18.12.2014	22.12.2014	31.12.2014

The following Departments of the University are offering Ph.D Programme

Sl.No.	Name of the Departments
1	Civil Engineering (CE)
2	Computer Science and Engineering/ Information Technology (CSE & IT)
3	Electrical Engineering /Electrical & Electronics Engineering (EE & EEE)
4	Electronics & Telecommunication Engineering (ETC)
5	Mechanical Engineering (ME)
6	Production Engineering (PE)
7	Chemistry (CH)
8	Mathematics (MA)
9	Physics (PH)

2. ELIGIBILITY :

2.1 Ph.D (Engineering) :

The eligibility criteria for admission to Ph.D Programme in Engineering is one of the following :

- (i) M.Tech/M.E/M.Sc.(Engg) in relevant discipline with at least 60% marks in aggregate (or 6.5 CGPA) at B.Tech/M.Tech level from an Institute/University recognized by AICTE/UGC/Central Government.
- (ii) B.Tech/B.E/B.Sc (Engg.) in relevant discipline with at least 65% marks (or 7.0 CGPA) at B.Tech level from an Institute/University recognized by AICTE/UGC/Central Government.
- (iii) Faculty members employed permanent positions of VSSUT, Burla having M.Tech in relevant discipline from an Institute/University recognized by AICTE/UGC/Central Government.

- (iv) Non-Teaching staff members employed on permanent positions of VSSUT, Burla for a period of at least 08 years out of which 03 years in existing post and having M.Tech in relevant discipline with at least 60% marks in aggregate (or 6.5 CGPA) at B.Tech /M.Tech level from an Institute/ University recognized by AICTE/UGC/Central Government.

2.2 Ph.D (Science) :

The eligibility criteria for admission to Ph.D Programme in Science is one of the following :

- (i) M.Phil /M.Tech. /M.S/ M.Sc. in relevant discipline with at least 60% marks in aggregate (or 6.5 CGPA) in M.Sc. level from an Institute or University recognized by AICTE/UGC/Central Government.
- (ii) MCA with at least 65% marks in aggregate (or 7.0 CGPA) at MCA level from an Institute or University recognized by AICTE/UGC/Central Government..
- (iii) M.Tech with MCA in relevant discipline with at least 60% marks (or 6.5 CGPA) at M.Tech/MCA level from an Institute or University recognized by AICTE/UGC/Central Government.
- (iv) Faculty members employed on permanent positions of VSSUT, Burla having M.Phil/M.Sc./MCA in relevant discipline from an Institute or University recognized by AICTE/UGC/Central Government..
- (v) Non-Teaching Staff members, employed on permanent positions for a period of at least 08 years out of which 03 years in the existing post and having M.Sc with 60% marks in aggregate (or 6.5 CGPA) at M.Sc level from an Institute or University recognized by AICTE/UGC/Central Government.
- (vii) Non Teaching Staff Members, employed on permanent positions for a period of at least 08 years out of which 03 years in the existing post and having M.Tech with 60% marks in aggregate (or 6.5 CGPA) at MCA/ M.Tech level or with 65% marks in aggregate (or 7.0 CGPA) at MCA level from an Institute or University required by AICTE/UGC/Central Government.

Essential qualification in relevant discipline for admission to various Ph.D Programme are given in Appendix-I. The equivalent CGPA shall be computed as per the VSSUT Regulations without considering the conversion formula of the respective Institute/University.

Candidates belonging to SC/ST category shall be given relaxation of 5% marks in eligibility criteria. Relaxation of 5% marks shall also be given to physically challenged/disabled candidates as per UGC guidelines.

- 2.3** In computing the percentage of marks in CGPA, all papers of a B.Tech, M.Tech, M.Sc./M.Phil or any other Programme will be considered both in numerator and denominator
- 2.4** Universities/Institutes sometimes record their own conversion of marks to grade or vice-versa on their grade sheets. Under such circumstances VSSUT, Burla will accept only the original mode of evaluation ignoring the conversion.
- 2.5** Qualification in GATE or NET is not essential for admission to Ph.D Programme. Students applying for University or Government Scholarships/Fellowships shall need a valid NET (Lectureship or JRF) or GATE Score if required by the Government regulations. Moreover, a candidate having NET/GATE Scores/any other fellowship from Government Agencies shall be given preference in taking admission to Ph.D Programme.
- 2.6** The various categories of candidates (with or without financial support) mentioned below are eligible for apply for admission to Ph.D Programme provided they satisfy the eligibility criteria and qualification requirements as given in Section 2.1/2.2
- (i) Category - 1 : Full time students with University Fellowship/ Assistantship (University Scholar)
 - (ii) Category - 2 : Full time students with External Fellowship (UGC/CSIR etc.)
 - (iii) Category - 3 : Full time students without Fellowship (Self financed/Self supported)
 - (iv) Category - 4 : VSSUT faculty members
 - (v) Category - 5 : VSSUT regular employees (Non-Teaching)
 - (vi) Category - 6 : Project Scholars (JRF/SRF/RA etc.) or Project Staff members.
 - (vii) Category - 7 : QIP Scholars
 - (viii) Category - 8 : Sponsored students (Institute/ Research/ Organization/ Industry)
 - (ix) Category - 9 : Sponsored students from Burla and Vicinity.

The Ph.D students under categories 1, 2, 6 & 7 have to take 10 hours of teaching load per week and assist in research and consultancy work.

- 2.7** Unlike other academic programmes, mere possession of required degrees and a superior academic record do not guarantee admission of a student to the Ph.D Programme. Apart from academic record, the Departmental Academic Committee (DAC) will take into consideration the research aptitude, ability to work in a team, subject interest, availability of supervisors, facilities in the department and the research focus while selecting candidates to the Ph.D Programme.
- 2.8** Research students (JRF, SRF, RA) of Government R&D Laboratories (DST, DAE, ISRO, DBT, CSIR, DOS, DRDO and similar research organizations) who are not entitled to award their own degrees engaged in full time research can be enrolled under category 2. They will need to spend at least one semester in VSSUT, Burla, while availing the fellowship from the parent organization.

- 2.9** Candidates employed as SRFs/JRFs/RAs or as full time Research Engineers/Officers in sponsored projects of the VSSUT, Burla may be admitted to the Ph.D Programme under category 6 as project scholars. They need to obtain permission of the Principal Investigator and Dean, SRIC & CE for admission. The Project should have tenure of at least 18 months beyond the date of admission of the candidate to the Ph.D Programme. They also have to satisfy the minimum educational requirement and will undergo selection procedure like students of other categories. On termination of project, their status will be full time students without scholarship, unless offered another type of scholarship/fellowship/assistantship.
- 2.10** The University may admit persons who are employed in other organizations (Institute/research organizations/Industries) to Ph.D Programme of any discipline under category 8 as sponsored students. Such candidates should have the following :
- (i) These candidates must have eligibility criteria as specified in Para 2.1/2.2
 - (ii) These candidates must have a total of minimum 2 years full time experience in the sponsoring organization. The candidate must produce the evidence of their work experience alongwith the application form.
 - (iii) Intending sponsored candidates must submit their applications in the prescribed form **(Form VSSUT/ACD/601)** through their employers with suitable endorsement.
 - (iv) Intending sponsored candidates will undergo selection procedure like other students.
 - (v) The sponsored candidates are normally required to stay in the University till completion of assigned work and submission of the thesis. However, in special case, their residential requirement can be reduced to at least six months in order to complete all the course works assigned to them.
 - (vi) The selected sponsored students must submit the relieve order from their parent organization at the time of admission in order to fulfill minimum residential requirement.

3. SCHOLARSHIP:

Financial assistance shall also be provided to full time Ph.D scholars from the University Fund @Rs.15, 000/- per month in the first two years and Rs.16, 000/- per month in subsequent years as follows:

Civil Engineering	:	02
Computer Science & Engineering & IT	:	02
Electrical Engineering & EEE	:	02
Electronics & Telecomm. Engineering	:	02
Mechanical Engineering	:	02
Production Engineering	:	02
Chemistry	:	02
Mathematics	:	02
Physics	:	02
Total		18

4. SELECTION CRITERIA:

4.1 All categories of candidates except the categories 2 and 4 need to undergo the process of selection through the Departmental Academic Committee (DAC) on the basis of overall academic career, written test and interview. **The candidates who have qualified GATE/NET/Inspired fellowship (DST)/Teacher fellowship (UGC) and other fellowships from Govt. Agencies are exempted from the Written Test and they will be given preference in the selection of Ph.D admission. They are required to appear only interview before DAC to assess their research aptitude, ability to work in a team, subject interest and availability of supervisors and facilities in the Department before final selection.** The Selection for the candidates in the categories 1, 3, 5, 6, 8 & 9, who have not qualified in GATE/NET/Inspired Fellowship (DST)/Teacher Fellowship (UGC) and other fellowships from Government agencies, shall have the following three components for General/SC/ST candidates as follows :

- (i) Career Marks : 30 Marks
Qualifying Marks for General : 15 Marks (50%)
Qualifying Marks for SC/ST : 12 Marks (40%)

- (ii) Written Test : 40 Marks
Out of which 20 nos. of multiple choice questions @ 1 mark each
and 10 nos. of questions of objective type @ 2 marks each.
Qualifying Marks : 16 Marks (40%) for General
Qualifying Marks : 12 Marks (30%)for SC/ST

- (iii) Interview : 30 Marks
Total Marks : 100 Marks
Qualifying Total Marks for General : 50 Marks (50%)
Qualifying Total Marks for SC/ST : 40 Marks (40%)
The details of the Weightage of career marking is as follows :

Distribution of Career Marks

Ph.D (Engineering)

- (i) H.S.C/equivalent : 05 Marks
1st Class : 05 Marks
2nd Class : 03 Marks
3rd Class : 02 Marks

- (ii) +2 Sc./Diploma/equivalent : 05 Marks
1st Class : 05 Marks
2nd Class : 03 Marks
3rd Class : 02 Marks

- (iii) B.Tech/B.E/equivalent : 10 Marks
80% and above : 10 Marks
75% and less than 80% : 09 Marks
70% and less than 75% : 08 Marks
65% and less than 70% : 07 Marks
60% and less than 65% : 06 Marks

(iv)	M.Tech/M.E/equivalent	: 10 Marks
	80% and above	: 10 Marks
	75% and less than 80%	: 09 Marks
	70% and less than 75%	: 08 Marks
	65% and less than 70%	: 07 Marks
	60% and less than 65%	: 06 Marks

Ph.D (Science)

(i)	H.S.C/equivalent	: 05 Marks
	1 st Class	: 05 Marks
	2 nd Class	: 03 Marks
	3 rd Class	: 02 Marks

(ii)	+2 Sc./equivalent	: 05 Marks
	1 st Class	: 05 Marks
	2 nd Class	: 03 Marks
	3 rd Class	: 02 Marks

(iii)	B.Sc./equivalent	: 05 Marks
	1 st Class	: 04 Marks
	2 nd Class	: 03 Marks
	Pass	: 02 Marks
	Distinction	: 01 Mark

(iv)	M.Sc./equivalent	: 10 Marks
	Above 70%	: 10 Marks
	Above 65% and less than 70%	: 08 Marks
	Above 60% and less than 65%	: 06 Marks

(v)	M.Phil/M.S/M.Tech/equivalent	: 05 Marks
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4.2 The candidates in the categories 2 and 4 are exempted from the Written Test. However, they need to undergo the process of selection by DAC through an interview only considering the research aptitude, ability to work in a team, subject interest, availability of supervisors, facilities in the Department and research focus.

4.3 Non-Teaching staff of the University seeking permission to join the Ph.D Programme under following terms and conditions:

- i) A member of non-teaching staff seeking permission to join the research programme must hold a permanent post in the University for a period of at least 08 years service in the UCE/VSSUT and 03 years in the existing post.
- ii) The employee must be engaged in research as a part of his normal duty so that his work output can qualify for the degree of Ph.D. Study towards Ph.D cannot be done on a part time basis outside the working hours of the University.

- iii) The application for administrative permission to join a Ph.D programme by a member of Non-Teaching staff must be submitted to the Vice-Chancellor through the Head of the Department/Centre or Section in-charge, as the case may be where the candidate is employed. While submitting the application he/she must give an undertaking to the effect that he/she will abide by all rules and regulations.
- iv) Administrative permission by the Vice-Chancellor for prosecuting Ph.D Programme does not constitute academic approval for admission.
- v) The applications will be examined by the Departmental Academic Committee of the department where the candidate wants to be enrolled. The committee will interview the candidate to ascertain his suitability for the programme.
- vi) Every application for admission under this category shall be examined by Departmental Academic Committee (DAC) taking into account whether the proposal for joining the programme for which permission is sought for arises out of genuine interest and ability, and whether the normal job assignment of the applicant sufficiently overlaps with the proposed research programme. The final approval shall be given by the Vice-Chancellor on behalf the Academic Council considering all aspects and merits of the case.
- vii)** The members of the non-teaching staff applying for Ph.D Programme must satisfy the minimum qualification requirement as mentioned in eligibility criteria and should undergo the process of selection through academic career, written test and interview.

APPENDIX – I

QUALIFYING DEGREES FOR ADMISSION TO Ph.D PROGRAMME

Sl. No.	Disciplines	Relevant Discipline or equivalent
1	Civil Engineering (CE)	B.Tech/BE/B.Sc. (Engg.) in Civil Engineering/ Environmental Engineering/Naval Architecture & Ocean Engg./Aero Space Engg./Building Science & Technology/ Construction Management
2	Computer Science & Engineering & Information Technology (CSE & IT)	B.Tech/BE/B.Sc.(Engg) in Computer Science & Engg./ Information Technology
3	Electrical Engineering & Electrical & Electronics Engg. (EE & EEE)	B.Tech/BE/B.Sc. (Engg.) in Electrical Engg. Electrical & Electronics Engg./Electronics & Electrical Engg./ Instrumentation Engg. & Electronics & Instrumentation Engg.
4	Electronics & Telecommunication Engg.(ETC)	B.Tech/BE/B.Sc. (Engg.) in Electronics & Instrumentation Engg./ Electronics & Telecommunication Engg/ Electronics & Communication Engg / Electrical and Electronics Engg./ Electronics & Electrical Engg.
5	Mechanical Engineering (ME)	B.Tech/BE/B.Sc. (Engg.) in Mechanical Engg./ Production Engineering/ Manufacturing Science & Engg./Industrial Engg./Metallurgy & Materials Engineering/Power Plant Engg.,Industrial Design Marine Engg./Automobile Engg./ Aerospace Engg.
6	Production Engineering (PE)	B.Tech/BE/B.Sc. (Engg.) in Production Engg./ Mechanical Engg./ Manufacturing Science & Engg./ Industrial Engg./ Metallurgy & Materials Engineering/Industrial Design Engg./Production & Industrial Engg/ Mechatronics Engg.
7	Chemistry (CH)	M.Sc. in Chemistry, Environmental Science/ Material Science/Polymer/Plastic Technology
8	Mathematics (MA)	M.Sc. in Mathematics/Statistics/ Computer Science
9	Physics (PH)	M.Sc. in Physics/ Material Science/Computer Science/ Electronics/Nano Technology



Form: VSSUT/ACD/601

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA

For office use only

Serial Number of the Applicant: _____

Section Officer (AA)

Recommendation of Departmental Academic Committee

- The candidate may be called for Written Test/Interview.
- The candidate is not suitable for admission to Ph.D. programme of the Department (Give reason).
- Does not satisfy short listing criteria.
- Others (specify)

Head of the Department

Paste here your
recent passport
size colour
Photograph

Application for Admission to Ph.D. Programme

1. Programme of study : Ph.D.
2. Department/Centre to which Applying for : _____
3. Name of the candidate in full : _____
(Block Capital letters)
4. Father's Name : _____
5. Proposed Research Area : _____
(Broad area only)
6. Category of studentship : _____

- | | |
|---|--|
| 1. Full Time student with University Fellowship/Assistantship | 6. Project scholars/staff of VSSUT |
| 2. Full time student with External Fellowship(UGC/CSIR etc.) | 7. QIP Scholar |
| 3. Full time student without Fellowship | 8. Sponsored student |
| 4. VSSUT Faculty members | 9. Sponsored student from Burla and vicinity |
| 5. VSSUT regular employees (Non-teaching) | |

1. Candidates applying for more than one department are required to submit photo copies of application form and certificates for each department applied for.
2. VSSUT regular employees must enclosed administrative permission from the institute.
3. Project staff and fellows must enclose administrative permission from Dean, (SRIC/CE); the project must have tenure of at least 18 months beyond the expected date of joining in the Ph.D. Programme
4. In case of candidates belonging to categories 8, Part-II of the application form filled up by the sponsoring authority must be attached.
5. In case of candidates belonging to category 9, Part-III of the application form filled up by the sponsoring authority must be attached. The candidate is also required to give an undertaking in a non-judicial stamp paper to complete all the academic requirements of the University related to the Ph.D Programme while working at his/her parent organization at the time of admission.

P.T.O

6. Address for Communication: _____

Mob: _____ Email: _____

7. Date of Birth :

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8. Sex : Male / Female 9. Marital status: Married / Single

10. Class of category : SC ST General

11. Nationality: _____ 12. Mother Tongue: _____

13. Academic career: (Enclose attested copies of the certificates and mark sheets/grade cards showing the percentage of marks (CGPA) from H.S.C Examinations or equivalent)

Name of Exams	Institute/University	Year of passing	Branch/Subjects studied	Percentage of Marks/CGPA

14. Gate / NET Score : Subject: _____ Score: _____ Year: _____

15. Experience if any:

Organisation	Position	Duration	Nature of job

16. Previous Research work and publication, if any: (Enclose copies of published or unpublished work)

17. Record of past study as a sponsored candidate, or other contractual obligation, if any:

I do hereby declare that the information furnished in this application is true to the best of my knowledge and belief. If admitted, I shall abide by rules and regulations of the University and Hall allotted to me. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat allotted to me any time in future and legal action be taken against me.

Date.....

Full signature of the Applicant

Enclosures: 1) _____

3) _____

2) _____

4) _____

PART - II (Category-8)

For Sponsored candidates only
(To be filled up by the employer sponsoring the candidate)

1. Name of the Employer : _____

2. Name, Designation and Address : _____
of Administrative Officer/HR
Manager : _____
Phone: _____ Fax: _____
Email: _____

3. Name of the employee seeking admission at VSSUT : _____

4. Designation (Regular) : _____

5. a) First joined on (date) : _____

b) Holding the present position since (date) : _____

c) Nature of Job : _____
(R & D, Design, Production, Marketing, Administrative, Other)

d) Brief description of job Assignment for the next Three years : _____
(Relevant assignment only) : _____

6. Reasons for sponsoring the candidate : _____
to Ph.D. Programme : _____

- Full time study at VSSUT with deputation from the organization (3 years for Ph.D.)
- Study at VSSUT while working at our organization after satisfying the minimum residential requirement of 6 months.

Certified that Mr./Ms. _____ employed as _____ in this organization is sponsored for admission to the Ph.D. Programme of VSSUT, Burla. This organization recognizes that his/her education and the consequent least two year in a regular cadre. During his studies at VSSUT, he/she will be on deputation from this organization 3 years/6 months to satisfy the residential requirement. On completion of the programme he/she will continue to be employed by our organization.

Date

Signature of the Competent Authority with seal

PART - III (Category-9)

For Sponsored candidates only
(To be filled up by the employer sponsoring the candidate)

1. Name of the Employer : _____

2. Name, Designation and Address : _____
of Administrative Officer/HR
Manager : _____
Phone: _____ Fax: _____
Email: _____

3. Name of the employee seeking admission at VSSUT : _____

4. Designation (Regular) : _____

5. a) First joined on (date) : _____

b) Holding the present position since (date) : _____

c) Nature of Job : _____
(R & D, Design, Production, Marketing, Administrative, Other)

d) Brief description of job Assignment for the next Three years (Relevant assignment only) : _____

6. Reasons for sponsoring the candidate to Ph.D. Programme : _____

- Full time study at VSSUT with deputation from the organization (3 years for Ph.D.)
- Study at VSSUT while working at our organization after satisfying the academic requirement Of the University related to the Ph.D Programme.

Certified that Mr./Ms. _____ employed as _____ in this organization is permitted for admission to Ph.D Programme of VSSUT, Burla. This organization recognizes his/her education and consequent at least two years in regular position. If selected, he/she shall be given a permission letter from this organization at the time of admission to do the course work, appear examinations, and other related activities as per the academic requirement of the University while working at our organization.

Date

Signature of the Competent Authority with seal