



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA

INFORMATION REGARDING ADMISSION INTO
M.TECH PROGRAMMES 2020-21

The following specializations are offered by various departments of the University.

Name of Department	Name of Specialization	Intake
Civil Engineering	Structural Engineering	18
	Water Resources Engineering	18
	Geotechnical Engineering	18
	Transportation Engineering	18
Computer Science & Engineering	Computer Science & Engineering	18
Information Technology	Information and Communication Technology	18
	Computer & Information Technology*	18
Electrical Engineering	Power System Engineering	18
	Power Electronics Control	18
	Instrumentation & Control *	18
Electronics & Telecommunication Engineering	Communication System Engineering	18
	VLSI Signal Processing	18
	RF & Microwave Engineering *	18
Mechanical Engineering	Machine Design	18
	Production Engineering	18
	Heat Power Engineering	18
Metallurgical & Materials Engineering	Industrial Metallurgy*	18
Production Engineering	Manufacturing System Engineering	18
	Robotics & CAD/CAM	18

- For this session AICTE approval is awaited for all M.Tech Programmes.
- Award of GATE Scholarships to the eligible students are subject to the approval and receipt of the scholarship amount from AICTE, Govt. of India.

* **The scholarship may not be awarded for GATE students in these courses.**

IMPORTANT DATES:

Last Date of receipt of completed online Application Forms with all documents: 10.06.2020

Tentative Date and mode of Entrance Test, results of Entrance test and any other information/updates will be hoisted on VSSUT website: www.vssut.ac.in.

IMPORTANT NOTES:

If a candidate is interested to apply for M.Tech. Admission in more than one Department, then he/she has to submit separate applications with requisite fees. In no case, any candidate shall be considered more than one department with one application. Admission shall be carried out strictly according to the merit and choice of specializations chosen during submission of application.

1.0 ELIGIBILITY:

The candidates satisfying the following criteria are eligible for admission to M.Tech Programmes in VSSUT, Burla

1.1 (a) The minimum qualification for admission to any M.Tech Programme is B. Tech/equivalent in the relevant discipline.



(b) Candidates with degrees considered equivalent to B.Tech such as those obtained in the examinations conducted by Professional bodies (such as AMIE and AMIM) are also eligible for admission.

1.2 All such candidates seeking admission to any M. Tech Programme must have secured **60% (or 6.5 CGPA)** in B.Tech or equivalent examination (Section-B for AMIE).

2. SELECTION:

The following procedures shall be adapted for selection of candidates for admission into M.Tech. Programmes in VSSUT, Burla.

2.1 (a) Candidates with valid GATE score and satisfying requirement as specified in Section 1.1 & 1.2 can be given admission to any M.Tech. Programme on the basis of their GATE scores directly. This is applicable for both General and SC/ST candidates, SC/ST candidates being considered separately for seats reserved for the purpose.

(b) When sufficient number of GATE qualified candidates is not available for admission to any M.Tech. Programme, students meeting the rest of the admission criteria can be admitted on the basis of merit as per the guidelines given under item (c). They, however, will not be entitled to get any scholarship from Government sources.

(c) For candidate without a valid GATE Score, the Departments shall prepare the merit list on the basis of career marking as follows:

Total career marking: 100 marks

(i) 10th / equivalent Examination: **25 marks**

Marks to be obtained = (Percentage of marks secured/100) x 25 or (CGPA/10) x 25 (on 10 point grade scale)

(ii) +2 Science/equivalent Examination: **35 marks**

Marks to be obtained = (Percentage of marks secured/100) x 35 or (CGPA/10) x 35 (on 10 point grade scale)

(iii) B. Tech/Equivalent Examination: **40 marks**

Marks to be obtained = (Percentage of marks secured/100 x 40) or (CGPA/10) x 40 (on 10 point grade scale)

Qualifying marks for General: **45 marks**

Qualifying marks for SC/ST: **40 marks**

(Universities/Institutions sometime 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; otherwise, 0.5 shall be deducted from the CGPA for calculation of percentage of marks. If the 8th semester result of the candidate is not declared, then CGPA up to 7th semester shall considered for 8th semester. The candidate having back paper/fail grade up to 7th semester, she/he will not be considered in merit list. However, candidate should have pass degree with minimum eligible CGPA at the time of admission.)

2.2 Candidates who have appeared in their final B.E/B.Tech. Examinations, but results have not been declared may also be provisionally admitted to the M.Tech. Programme if otherwise found suitable/eligible. However, they shall have to submit the final grade sheet and provisional pass certificate latest by 30th September 2020, failing which the provisional admission shall be cancelled. In this case, the Percentage of marks shall be computed from the marks/grades secured in all semesters excluding the final B.Tech examination. The candidates who would have not submitted the mark sheets/grade sheets of all the semesters except 8thSemester (final) semester, **their cases shall not be considered** for admission into M.Tech. Programme. Copies of the mark sheets/grade sheets should be submitted by the candidates at the time of admission must have been authenticated by their Head of the Institution/College else their cases shall not be considered.



2.3 **SUBMISSION OF COMPLETED APPLICATION FORM**

The interested candidates shall fill the online application form available at University website: <https://apply.vssut.in/> by **10.06.2020**. Candidate should keep the printed copy of the application and submit to the University during certificate verification at the time of admission. Non-refundable fee of Rs500/- (Rs200/- in case of SC/ST Candidates) need to be paid along with online application without which the application shall not be considered.

Documents to be uploaded:

- I. Pass certificate of 10 / Equivalent Examination.
- II. Pass certificate of +2 Sc. / Equivalent Examination.
- III. Pass certificate of B.Tech / Equivalent Examination.
- IV. Grade sheets / Mark sheets of the 10th / Equivalent Examination.
- V. Grade sheets / Mark sheets of the +2 Sc. / Equivalent Examination.
- VI. Grade sheets / Mark sheets of all the semesters of B.Tech / Equivalent Examination.
- VII. Valid GATE Score.
- VIII. SC/ST caste certificate, if applicable.

The Candidates, who have not passed the final B.Tech. Examination, but have already appeared the above examination, shall upload the following documents in place of documents mentioned in Sl. Nos. III and VI.

- (i) Certificate of appearance in final Semester of B.Tech. Examination from the Head of institution. (To be submitted in original at the time of admission.)
- (ii) Grade Sheet/ Mark sheets of all the Semester of B.Tech. Examination except final Semester duly authenticated by the Head of Institution.

Sd/-

Dean, PGS&R

Memo No. **VSSUT/PGS&R/**

Dated: **09.05.2020**

Copy to:

1. University Notice Board.
2. All Deans/HODs/COF/Registrar for information & necessary action.
3. Dean, F & P with a request to display the advertisement & information sheet in Univ. website.
4. P.A to Vice-Chancellor for kind information of Hon'ble Vice-Chancellor.

Sd/-

Dean, PGS&R



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA

INFORMATION FOR ADMISSION INTO 02 YEARS M.Sc. (CHEMISTRY, PHYSICS, MATHEMATICS) PROGRAMMES 2020-21

The following specializations of M.Sc. are offered by various departments of the University as follows. The reservation of seats in different subjects in accordance with government rules of admission.

INTAKE CAPACITY

Name of Department	Name of Specialization	General	SC	ST	Total
Chemistry	Two Baskets of elective will be offered in the area of Industrial/Organic Chemistry at 3 rd & 4 th Semester	30	02	04	36
Physics	Applied Physics	15	01	02	18
Mathematics	Applied Mathematics	15	01	02	18

IMPORTANT DATES:

Last Date of receipt of completed online Application Forms with all documents: 10.06.2020

Tentative Date and mode of Entrance Test, results of Entrance test and any other information/updates will be hoisted on VSSUT website: www.vssut.ac.in

1.0 Eligibility for M.Sc. Programme :

To be eligible for admission to the 02 years M.Sc. Course, a student must have passed B.Sc./+3 Science with the proposed specialization as one of the subjects. For admission to the 2 year M.Sc. course, students who have completed all academic requirements of the B.Sc./+3 Science degree, but whose results are awaited are also eligible for provisional admission. Selection will be based on percentage of marks in the university examinations already completed. They must submit appropriate course completion certificate from the Head of the Institution, which they last attended, and copies of mark/grade sheets.

2.0 Selection:

Admission to all courses of **02 years M.Sc.** will be made in the Odd Semester of each session at the First Year level through an open selection process with academic career evaluation. The evaluation of candidates for the purpose of admission will be based on one of the following schemes:

Career Marks will be computed as Follows

Name of Examination	Total Marks	Weightage Calculation
High School Certificate Examination	20 Marks	Percentage of Marks x 0.2
+2 (or equivalent) Level	30 Marks	Percentage of Marks x 0.3
+3 (B.Sc.) Level Aggregate of all Subjects	20 Marks	Percentage of Marks x 0.2
+3 (B.Sc.) Honours	30 Marks	Percentage of Marks x 0.3

(a) Points for Honors papers should be added only if the honors subject matches with the discipline applied for.



(b) In case of students who are graduated from universities without any provision of “Honours” (additional papers), the marks scored in papers belonging to the discipline applied for will be considered.

(c) Universities/Institutions sometime 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; otherwise, 0.5 shall be deducted from the CGPA for calculation of percentage of marks. If the 4th semester result of the candidate is not declared or, then CGPA up to 3rd semester shall considered for 4th semester. The candidate having back paper/fail grade up to 3rd semester, she/he will not be considered in merit list. However, candidate should have passed degree with minimum eligible CGPA at the time of admission.

3.0 Candidates who have appeared in their final Examinations, but results have not been declared they may also be provisionally admitted to the 02 year M.Sc. Programme, if otherwise found suitable. However, they shall have to submit the final Mark sheet and pass certificate latest by **30th September 2020**, failing which the provisional admission shall be cancelled.

4.0 SUBMISSION OF COMPLETED APPLICATION FORM

The interested candidates shall fill the online application form available at University website: <https://apply.vssut.in/> by **10.06.2020**. Candidate should keep the printed copy of the application and submit to the University during certificate verification at the time of admission. Non-refundable fee of Rs500/- (Rs200/- in case of SC/ST Candidates) need to be paid along with online application without which the application shall not be considered.

5.0 Documents to be Uploaded Online:

- i) Pass certificate of 10th / Equivalent Examination.
- ii) Pass certificate of +2 Sc. / Equivalent Examination.
- iii) Pass certificate of +3 Sc. / B.Sc. / Equivalent Examination.
- iv) Grade sheets / Mark sheets of the 10th / Equivalent Examination.
- v) Grade sheets / Mark sheets of the +2 Sc. / Equivalent Examination.
- vi) Grade sheets / Mark sheets of +3 Sc. (B.Sc.) / Equivalent Examination
- vii) SC/ST caste certificate, if applicable.

The Candidates, who have not passed the final B.Sc./+3 Sc. Examination, but have already appeared the above examination, shall upload the following documents in place of documents mentioned in Sl. Nos.III and VI.

(i) Certificate of appearance in +3 Sc./B.Sc. Examination from the Head of institution(in original).

(ii) Grade Sheet/Mark Sheets of +3 Sc./B.Sc. Examination except final year duly authenticated by the Head of Institution.

Sd/-

Dean, PGS&R

Dated: **09.05.2020**

Memo No. **VSSUT/PGS&R/**

Copy to:

1. University Notice Board.
2. All Deans/HODs/COF/Registrar for information & necessary action.
3. Dean, F & P with a request to display the advertisement & information sheet in University website.
4. P.A to Vice-Chancellor for kind information of Hon'ble Vice-Chancellor.

Sd/-

Dean, PGS&R



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA

INFORMATION FOR ADMISSION INTO 05 YEARS INTEGRATED M.Sc. (CHEMISTRY, PHYSICS, MATHEMATICS) PROGRAMME 2020-21

The following 05 years Integrated M.Sc. Programme 2020 are offered by various departments of the University as follows. The reservation of seats in different subjects is in accordance with government rule of admission.

Name of Department	Intake Capacity			
	GENERAL	SC	ST	TOTAL
Physics	15	01	02	18
Chemistry	15	01	02	18
Mathematics	15	01	02	18

IMPORTANT DATES:

Last Date of receipt of completed online Application Forms with all documents: 10.06.2020

Tentative Date and mode of Entrance Test, results of Entrance test and any other information/updates will be hoisted on VSSUT website: www.vssut.ac.in

1. Eligibility for 05 Years Integrated M.Sc. Programme:

Passed or appeared in 2020, 10+2 examination of CHSE, Odisha/CBSE/ICSE or equivalent examinations with Physics, Chemistry and Mathematics as compulsory subjects along with one of the subjects from Biotechnology / Biology/ Technical Vocational Subject / Electronics / Computer Science / Information Technology/ Geology / Statistics. The candidate should have passed individual subject and must have obtained at least 45% marks (40% in case of candidate belonging to SC/ST category) in the above subjects taken together. There is no age limit to appear at VSSUT Entrance Test (VET) - 2020 for admission into 05-Years Integrated MSc courses in Physics/Chemistry/Mathematics. **The candidates must submit appropriate course completion certificate from the Head of the Institution, which they last attended, and copies of mark/grade sheets.**

2. Subjects for appearing at VET-2020:

All candidates seeking admission to 1st year of 5-Years Integrated MSc in any subject shall have to appear an entrance test in Physics, Chemistry and Mathematics in one sitting as per the standard syllabus of CHSE, Odisha.

3. Candidates who have appeared in their final Examinations, but results have not been declared they may also be provisionally admitted to the 5 Yrs Integrated M.Sc. Programme, if otherwise found suitable. However, they shall have to submit the final Mark sheet and pass certificate latest by **30th September 2020**, failing which the provisional admission shall be cancelled.

4. *Universities/Institutions sometime 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; other wise, 0.5 shall be deducted from the CGPA for calculation of percentage of marks. If the final semester result of the candidate is not declared, then CGPA up to previous semester shall be considered for final semester. The candidate having back paper/fail grade up to previous semester, She/he will*



not be considered in merit list. However, candidate should have passed the degree with minimum eligible CGPA at the time of admission.

5. Submission of Completed Application Form

The interested candidates shall fill the online application form available at University website: <https://apply.vssut.in/> by **10.06.2020**. Candidate should keep the printed copy of the application and submit to the University during certificate verification at the time of admission. Non-refundable fee of Rs500/- (Rs200/- in case of SC/ST Candidates) need to be paid along with online application without which the application shall not be considered.

6. DOCUMENTS TO BE UPLOADED ONLINE :

- I. Pass certificate of 10th / Equivalent Examination.
- II. Pass certificate certificate of +2 Sc. / Equivalent Examination.
- III. Grade sheets / Mark sheets of the 10th / Equivalent Examination.
- IV. Grade sheets / Mark sheets of the +2 Sc. / Equivalent Examination.
- V. SC/ST caste certificate, if applicable.

The Candidates, who have not passed the final +2 Sc. Examination, but have already appeared the above examination, shall upload the “Final Appeared certificate of +2 Sc. Examination from the Head of institution last attended and submit it in original at the time of admission” in place of documents mentioned in Sl. Nos. II and IV.

In such cases the candidate has to upload the Grade sheets/Mark sheets/ received up to the exam of previous semester/year.

Sd/-

Dean, PGS&R

Dated: **09.05.2020**

Memo No. **VSSUT/PGS&R/165(4)/2020**

Copy to:

1. University Notice Board.
2. All Deans/HODs/COF/Registrar for information & necessary action.
3. Dean, F & P with a request to display the advertisement & information sheet in University website.
4. P.A to Vice-Chancellor for kind information of Hon'ble Vice-Chancellor.

Sd/Dean, PGS&R



INFORMATION FOR ADMISSION INTO ONE YEAR M.Phil. PROGRAMME- 2020

1. The following specializations of M.Phil. are offered by following Departments of the University:

Department	Specialization	Intake capacity			
		Gen	SC	ST	Total
Physics	Open	08	01	01	10
Chemistry	Open	08	01	01	10
Mathematics	Open	08	01	01	10

IMPORTANT DATES:

Last Date of receipt of completed online Application Forms with all documents: 10.06.2020

Tentative Date and mode of Entrance Test, results of Entrance test and any other information/updates will be hoisted on VSSUT website: www.vssut.ac.in

2.1 ELIGIBILITY:

- 2.1.1 Candidates with good academic career securing not less than 48 per cent of marks or equivalent grade at Masters Degree in the subject from any university or institute recognized by UGC/HRD of Govt. of India, are eligible to apply for admission.
- 2.1.2 Candidates qualifying UGC-CSIR-NET/GATE/SLET test and awardees of teacher Fellow (TF) from UGC are exempted from the entrance test.
- 2.1.3 Since M.Phil. is a full time course, a candidate who is employed cannot be admitted unless he/she has been duly relieved and produce a proof to that effect.

2.2 SELECTION PROCEDURE:

- 2.2.1 Selection shall be made on the basis of merit determined as per the following criteria.

Career	:	50 marks
Entrance test	:	50 marks
Total	:	100 marks

2.2.2 ENTRANCE TEST :

The Entrance Test shall comprise of one paper of 50 marks (50 marks Objective Type Questions of multiple choice question type) of one sitting. The Question Paper shall cover the syllabus taught at the Post-Graduate level.

The candidates should secure minimum 30% of marks in the entrance test.

2.2.3 CAREER MARKS:

Career Marks shall be 50 marks as per the following distribution:

Distribution of Career Marking

Degree	1 st Div./ Grade C and above	2 nd Div./ Grade D and above	3 rd Div./ Pass/ Compartmental.
H.S.C. or equivalent	5.0	4.0	2.0
+2 or equivalent	10.0	7.0	5.0
+3 Degree (Hons.)	15.0	10.0	--
+3 Degree (pass)	--	--	4.0
Distinction	2.0	2.0	2.0
P.G. Degree*	18.0	13	--

** If result of M.Sc. is not declared then equivalent percentage of marks and division shall be considered on the maximum available result published at the time of selection.*

2.2.4 PREPARATION OF MERIT LIST:

A merit list for each subject shall be prepared on the basis of marks secured by the candidate in the entrance test and career mark. For the candidates who are exempted from the entrance test, full marks (50 marks) will be awarded to them in lieu of the entrance test. Total qualifying marks will be 50% for candidates of General category and 45% for candidates of SC/ ST Categories.

2.2.5 SUBMISSION OF FINAL PASS CERTIFICATE:

Candidates who have appeared in their final M. Phil. Examinations, but results have not been declared may also be provisionally admitted to the M.Sc. Programme if otherwise found suitable. However, they shall have to submit the final grade sheet and provisional pass certificate latest by **30th September 2020**, failing which the provisional admission shall be cancelled.

3. RESERVATION:

As per Government Rules.

4. SUBMISSION OF COMPLETED APPLICATION FORM

The interested candidates shall fill the online application form available at University website: <https://apply.vssut.in/> by **10.06.2020**. Candidate should keep the printed copy of the application and submit to the University during certificate verification at the time of admission. Non-refundable fee of Rs500/- (Rs200/- in case of SC/ST Candidates) need to be paid along with online application without which the application shall not be considered.

5. DOCUMENTS TO BE UPLOADED ONLINE:

- I. Pass certificate of 10th / Equivalent Examination.
- II. Pass certificate of +2 Sc. / Equivalent Examination.
- III. Pass certificate of +3 Sc. / B.Sc. / Equivalent Examination.
- IV. Pass certificate of M.Sc. / Equivalent Examination.

- V. Grade sheets / Mark sheets of the 10th / Equivalent Examination.
- VI. Grade sheets / Mark sheets of the +2 Sc. / Equivalent Examination.
- VII. Grade sheets / Mark sheets of +3 Sc. (B.Sc.) / Equivalent Examination.
- VIII. Grade sheets / Mark sheets of M. Sc. Examination.
- IX. SC/ST caste certificate, if applicable.

The Candidates, who have not passed the final M.Sc. Examination, but have already appeared the above examination, shall upload the following documents in place of documents mentioned in Sl. Nos. IV and VIII.

(i) Certificate of appearance in M.Sc. Examination from the Head of institution (in original).

(ii) Grade Sheet/Mark Sheets of M.Sc. Examination except final year duly authenticated by the Head of Institution.

Sd/-
Dean, PGS & R

Memo No. VSSUT/PGSR/

Date: 09/05/2020

Copy to:

1. University Notice Board.
2. All Deans/HODs/COF for information & necessary action.
3. Dean, Faculty and Planning with a request to display the information in University website.
4. P.A to VC for kind information of Hon'ble Vice-Chancellor.

Sd/-
Dean, PGS&R



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

**ADMISSION TO Ph.D PROGRAMME – AUTUMN 2020
INFORMATION TO CANDIDATES**

Admissions will be made to Ph.D Programme offered by the VSSUT, Burla in the following faculties and respective department/subject branches as per existing vacancies only.

Sl. No.	Disciplines	Department	Specialization
1	ENGINEERING	Architecture	Urban Design & Urban Planning, Sustainable Architecture
		Civil Engineering	Structural Engineering, Water Resources Engineering, Transportation Engineering, Geotechnical Engineering, Environmental Science & Engineering
		Chemical Engineering	Chemical Engineering
		Computer Science & Engineering	Embedded System Networking, Online Algorithms and Data Structures, Wireless Sensor Networks, Database and Applications Security, Network Security, Data Analytics, Cloud Computing, Software Defined Networks
		Electrical Engineering	Control Systems, Power Systems, Energy Management. Signal Processing, Instrumentation/ Automation, Power Systems & Control
		Electrical & Electronics Engineering	Control Systems, Power Systems, Energy Management. Signal Processing, Image Processing, Instrumentation/ Automation, Power Systems & Control
		Electronics & Telecommunication Engineering	Signal Processing, Automation & Computer Vision, Antenna Engineering, Wireless Communication, Electronic Systems & Communication I P, Microwave Engineering, Computer Vision & Recognition of Digital Images L S I
		Information Technology	Soft Computing, Evolutionary Computation, Data Mining, Cloud Computing, Parallel Distributed, Embedded Systems, Distributed Systems, Parallel and Distributed Computing, Machine Intelligence and Computer Vision, Image Security
		Mechanical Engineering	Vibration, Fatigue & Composites, Tribology M/c Design, Tribology Composites, Composites, Manufacturing, Design Analysis, Thermal, Production
		Metallurgical & Materials Engineering	Mechanical Metallurgy & Severe Plastic Deformation, Steel Matrix Composite, Powder Metallurgy, Nano-Composite, Tribology, Electro-Metallurgy, Creep, etc.
		Production Engineering	Production Engineering, System Design, Thermal Engineering, Design
2	SCIENCE	Chemistry	Organic, Industrial, Materials, Nanotechnology, Polymer
		Computer Applications	Soft Computing and signal processing & Multi Processor Scheduling, Soft Computing, Image Processing(color image segmentation), Machine learning, Data Mining & Soft computing
		Mathematics	Fluid Dynamics, CAGD, Complex Analysis, Applied Fluid Dynamics, Functional analysis and Optimization, CFD
		Physics	Experimental Condensed Method Physics, Solid State Physics, Material Science/Ultrasonic, Nuclear Physics, Liquid Crystals, Computational Condensed Method Physics, Theoretical Physics
3	HUMANTIES	Humanities (English)	American Literature and Business Communication

N.B:

1. Number of admission may depend on availability of specialization and suitable meritorious students with research bent of mind.
2. The authority reserves the right to accept/reject any or all the applications or the entire selection process without assigning any reason thereof.

IMPORTANT DATES:

Last Date of receipt of completed online Application Forms with all documents: 10.06.2020

Tentative Date and mode of Entrance Test, results of Entrance test and any other information/updates will be hoisted on VSSUT website: www.vssut.ac.in

**Eligibility: The following are the required educational qualifications for admission into
Ph.D Programme**

Sl. No.	Disciplines	Eligibility Criteria
1	Civil Engineering (CE)	B.Tech/BE/B.Sc.(Engg)/M.Tech./ME/M.Sc.(Engg) in Civil Engineering/ Environmental Engineering/ Naval Architecture & Ocean Engg/ Aerospace Engg/ Building Science & Technology/ Construction Management
2	Mechanical Engineering (ME)	B.Tech/BE/B.Sc.(Engg.)/M.Tech/ME/M.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.
3	Electrical Engineering (EE)	B.Tech/BE/B.Sc.(Engg.)/M.Tech/ME/M.Sc.(Engg) in Electrical Engg. Electrical & Electronics Engg./Electronics & Electrical Engg./ Instrumentation Engg. & Electronics & Instrumentation Engg.
4	Electrical & Electronics Engineering (EEE)	B.Tech/BE/B.Sc.(Engg.)/M.Tech/ME/M.Sc.(Engg) in Electrical Engg./ Electrical & Electronics Engg./Electronics & Electrical Engg/ Instrumentation Engg. & Electronics & Instrumentation Engg.
5	Electronics & Telecommunication Engineering (ETC)	B.Tech/BE/B.Sc.(Engg.)/M.Tech/ME/M.Sc.(Engg) in Electronics & Instrumentation Engg./ Electronics & Telecommunication Engg/ Electronics & Communication Engg / Electrical & Electronics Engg./ Electronics & Electrical Engg.
6	Computer Science & Engineering (CSE)	B.Tech/BE/B.Sc.(Engg) /M.Tech/ME/M.Sc.(Engg) in Computer Sc. & Engg./Information Technology
7	Information Technology (IT)	B.Tech/BE/B.Sc.(Engg)/M.Tech/ME/M.Sc.(Engg) in Information Technology/ Computer Sc. & Engg.
8	Production Engineering (PE)	B.Tech/BE/B.Sc.(Engg.)/M.Tech/ME/M.Sc.(Engg) in Production Engg./ Mechanical Engineering/ Manufacturing Science & Engg./ Industrial Engg./ Metallurgy & Materials Engg/Industrial Design Engg./ Production & Industrial Engg/ Mechatronics Engg.
9	Metallurgical & Materials Engineering (MME)	B.Tech/BE/B.Sc.(Engg)/M.Tech/ME/M.Sc.(Engg) in Metallurgy & Materials Engg/ Production Engg. / Manufacturing Science and Engineering/ Mechanical Engg./Industrial Engg.

10	Chemical Engineering (CHE)	B.Tech/BE/B.Sc.(Engg)/M.Tech/ME/M.Sc.(Engg) in Chemical Engineering
11	Physics (PH)	M.Sc./ M.Sc.(Tech) in Physics/Material Science/ Computer Science/Electronics/Nano Technology/ Ballistic Physics
12	Chemistry (CH)	M.Sc./M.Sc.(Tech) in Chemistry, Environmental Science/ Material Science/Polymer/Plastic Technology/ Nano Chemistry
13	Mathematics (MA)	M.Sc. in Mathematics/Statistics/ Computer Science
14	Computer Application (CA)	MCA/ M.Sc./M.Tech in Computer Science/ Computer Application /Information Technology
15	Humanities (English) (ENG)	MA in English
16	Architecture (ARCH)	B.Arch./M.Arch.

Ph.D (Engineering):

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

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

Ph. D (Architecture):

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

- (i) Master's degree in Architecture/Planning/allied specialization or equivalent from an Institution/University recognized by Council of Architecture/AICTE/UGC/ Central Government with at least 60% marks in aggregate (or equivalent CGPA) at Bachelors & Masters level.
- (ii) Faculty members employed in permanent positions of VSSUT, Burla having Bachelor's Degree in Architecture /Planning or equivalent and Master's degree in Architecture/Planning/ allied specialization or equivalent from an Institution/University recognized by Council of Architecture/AICTE/UGC/ Central Government.

- (iii) 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 Bachelor's Degree in Architecture /Planning or equivalent and Master's degree in Architecture/Planning/ allied specialization or equivalent in relevant discipline with at least 60% marks in aggregate (or equivalent CGPA) at Bachelor's and Master's level from an Institute/ University recognized Council of Architecture/AICTE/UGC/Central Government.

Ph.D (Science) :

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

- (i) M.Phil /M.Tech. /M.S/ M.Sc. in relevant discipline with at least 60% marks in aggregate (or equivalent CGPA) from an Institute or University recognized by AICTE/UGC/Central Government.
- (ii) MCA with at least 65% marks in aggregate (or equivalent CGPA) at MCA level from an Institute or University recognized by AICTE/UGC/Central Government..
- (iii) M.Tech in relevant discipline with at least 60% marks (or equivalent CGPA) at M.Tech 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 equivalent CGPA) at M.Sc level from an Institute or University recognized by AICTE/UGC/Central Government.
- (vi) 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 equivalent CGPA) at MCA/ M.Tech level or with 65% marks in aggregate (or equivalent CGPA) at MCA level from an Institute or University required by AICTE/UGC/Central Government.

Ph.D (English) :

The eligibility criteria for admission to Ph.D Programme in Humanities and Social Science are one of the following:

- (i) M.Phil/MA in English with at least 60% marks in aggregate (or equivalent CGPA) from an Institute or University recognized by AICTE/UGC/Central Government.

- (ii) Faculty members employed on permanent positions of VSSUT, Burla having M.Phil/MA in English from an Institute or University recognized by AICTE/UGC/Central Government.
- (iii) 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. Phil/MA in English with at least 60% marks in aggregate (or equivalent CGPA) at MA level from an Institute or University recognized by AICTE/UGC/Central Government.

The equivalent CGPA shall be computed as per the VSSUT Regulations without considering the conversion formula of the respective Institute/University.

SELECTION CRITERIA:

1. All categories of candidates except the categories 2 and 4 need to undergo the process of selection through the University Ph.D Selection Board based on overall academic career 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 during the selection for Ph.D admission. They are required to appear only interview before Selection Board 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.**
 2. 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 Govt. Agencies, shall have the following three components for General/SC/ST candidates as follows :
 - (i) **Written Test : 100 Marks**
Written Test will be of 2 Hours Duration to qualify for appearing in Interview
Out of which 50 Nos. of Multiple Choice Questions @ 1 mark each and 25 Nos. of Multiple Choice Questions @ 2 marks each.
Qualifying Marks : 40% of the Total Marks (40 Marks)
 - (ii) **Career Marks : 60 Marks**
 - (iii) **Interview : 40 Marks**
Subject Knowledge in the Interview: 20; Previous Publications: 10; Proposed Ph.D Synopsis: 10
- Candidates should secure a minimum of 50 Marks out of the Total Marks of 100 (Carrier (60 Marks) and Interview (40 Marks)).

Distribution of Career Marks:

Ph.D (Engineering) : (Full Marks: 60)

	<u>Qualifying Examination</u>	<u>Weightage Marks</u>
(i)	H.S.C/equivalent	: 10 Marks
	1 st Class	: 10 Marks
	2 nd Class	: 06 Marks
	3 rd Class	: 04 Marks
(ii)	+2 Sc./Diploma/equivalent	: 10 Marks
	1 st Class	: 10 Marks
	2 nd Class	: 06 Marks
	3 rd Class	: 04 Marks
(iii)	B.Tech/BE/B.Arch/equivalent	: 20 Marks
	80% and above	: 20 Marks
	75% and less than 80%	: 18 Marks
	70% and less than 75%	: 16 Marks
	65% and less than 70%	: 14 Marks
	Less than 65%	: 12 Marks
(iv)	M.Tech/ME/M.Arch/equivalent	: 20 Marks
	80% and above	: 20 Marks
	75% and less than 80%	: 18 Marks
	70% and less than 75%	: 16 Marks
	65% and less than 70%	: 14 Marks
	Less than 65%	: 12 Marks

Ph.D (Science/Humanities): (Full Marks: 60)

(i)	H.S.C/equivalent	: 10 Marks
	1 st Class	: 10 Marks
	2 nd Class	: 06 Marks
	3 rd Class	: 04 Marks
(ii)	+2 Sc./Arts/equivalent	: 10 Marks
	1 st Class	: 10 Marks
	2 nd Class	: 06 Marks
	3 rd Class	: 04 Marks
(iii)	+3 Sc./Arts/B.Sc/BA/equivalent	: 15 Marks
	1 st Class	: 12 Marks
	2 nd Class	: 09 Marks
	Pass	: 06 Marks
	Distinction	: 03 Mark
(iv)	MA/M.Sc./MCA/equivalent	: 20 Marks
	80% and above	: 20 Marks
	75% and less than 80%	: 18 Marks
	70% and less than 75%	: 16 Marks
	65% and less than 70%	: 14 Marks
	Less than 65%	: 12 Marks
(v)	M.Phil/MS/M.Tech/equivalent	: 05 Marks

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 Selection Board 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.
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 year's 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 (DRC) 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.

STUDENT CATEGORY:

1. 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 2.1/2.2/2.3
 - (i) **Category-1** : Full time Students with University Fellowship/Assistantship **(Not available this time)**
 - (ii) **Category-2** : Full time Students with External Fellowship (UGC/ CSIR/ DST/ BRNS/ AICTE etc.)

- (iii) **Category-3** : Full time Students without Fellowship (Self-financed/Self-supported) (Merituous Full time Students may avail financial assistance from TEQIP-III depending on the availability of funds.
- (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/Non-sponsored Students from Burla and Vicinity.

The Ph.D students under categories 1, 2, 3 (with Scholarship), 6 & 7 have to take 10 hours of teaching loads per week and assist in research and consultancy work.

2. 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. The composition of Departmental Academic Committee (DAC) is given in Appendix-III.
3. 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.
4. 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.
5. Candidates seeking admission to Ph.D Programme under category 7 as QIP scholars will be selected through QIP (Quality Improvement Programme) of Government of India. However, they have to satisfy the minimum educational qualification like the candidates under other categories.
6. 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 above
 - (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 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.

7 Candidates employed in Institute/Research Organizations/ Government or public or private organizations/industries located at Burla and vicinity (within 15 Kms) may be admitted to Ph.D Programme under category 9 as sponsored students from Burla and vicinity. They need to fulfill all requirements of sponsored students (Category - 8) except Para – vi. They have to submit a permission letter from their parent organization in place of relieve order at the time of admission to do the course work, appear examinations and other related activities as per the academic requirement of University. The candidate is required to give an undertaking in a non-judiciary stamp paper to complete all the academic requirements, which will be assigned to him/her by DSC.

RESERVATION:

Reservation for Candidates in Ph.D Admission belongs to SC/ST Category/ Physically Challenged/ Disabled Candidates are carried out as per the UGC Guidelines/ Govt. Rules.

SUPERVISOR (For PhD Registration) :

- i) All candidates for Ph.D degree are required to carry out their research work under the guidance of one/two supervisors. However, in case of inter- disciplinary research (within the same department or across two departments) a second supervisor may be appointed.
- ii) When there are two supervisors, one of them will be called the Principal Supervisor. Ordinarily the Principal Supervisor will be a faculty member of the registering department. However, in deserving cases the DAC may recommend a faculty member of another department of the VSSUT as Co-Supervisor.
- iii) Principal Supervisors shall be regular faculty member of this University with Ph.D degree and Co-Supervisor shall be chosen from the faculty members of this University with Ph.D degree or other recognize Government Institutions/Universities/ R & D Organizations/Industries with the approval of the Vice-Chancellor.
- iv) Regular faculty members of the VSSUT with 05 years' experience along with adequate research publication as permanent teacher of VSSUT enrolling in Ph.D programme may be self-guided. Such cases should be examined by RPEC and put up to the Academic Council for approval
- v) The faculty member who wants to be a Supervisor/Co-supervisor, he/she must have completed his/her probation period with one-year Post-Doctoral experience.
- vi) The allocation of the Supervisor(s) for a selected student shall be decided by the Departmental Academic Committee in a formal manner depending on the number of students per faculty member, available specialization among the faculty supervisors, and the research interest of the student as indicated during interview by the student. The option form indicating name of the candidate, area of interest and choice of specialization (not name of the supervisor) may be exercised before the selection. The allotment/allocation of Supervisor shall not be left to the individual student/teacher.

SUBMISSION OF COMPLETED APPLICATION FORM

The interested candidates shall fill the online application form available at University website: <https://apply.vssut.in/> by **10.06.2020**. Candidate should keep the printed copy of the application and submit to the University during certificate verification at the time of admission. Non-refundable fee of Rs500/- (Rs200/- in case of SC/ST Candidates) need to be paid along with online application without which the application shall not be considered.

By order of Vice-Chancellor

Dean (PGS&R)

Date: 09/05/2020

Memo No. VSSUT/PGSR/

Copy to:

1. University Notice Board.
2. All Deans/HODs/COF for information & necessary action.
3. Dean, Faculty and Planning with a request to display the information in University website.
4. P.A to VC for kind information of Hon'ble Vice-Chancellor.

Sd/-

Dean (PGS&R)