VTU - BE/B.TECH MINOR DEGREE REGULATIONS

MINOR DEGREE

The Bachelor of Technology (B. Tech.) with Minor program focuses on the fundamental principles of multiple Engineering disciplines, critical & analytical thinking and the ability to develop a distinctive approach to the interdisciplinary problems as follows

- ➢ Specialize in a focused area of their interest,
- ➢ Learn new skills and methodologies about their area of interest,
- ➢ Enable personal creativity and passion,
- ➢ Cultivate a sustaining interest in advanced education and research,
- ➢ Enhance professional development, and
- ➢ Provide opportunities to gain recognition at the time of graduation for advanced skills distinguished work as an undergraduate.

Example-Students can select subjects from other branches. e.g. If **Electrical Engineering** student selects subjects from **computer engineering** under this scheme, he/she will get **Major degree** of **Electrical Engineering** with **minor degree** courses of **computer engineering**

OBJECTIVES OF MINOR DEGRE

Supports career opportunities.

➢ To provide an academic mechanism for fulfilling the multidisciplinary demands of industries.

➢ Provides an opportunity to Applicants to pursue higher studies in an interdisciplinary field of study. intellectual & personal network with strong communities

➢ To offer knowledge in the areas that are identified as emerging technologies/thrust areas of Engineering.

➢ Industry & R&D accepting Minor Degree as evidence of relevant skills

➢ Employability skills maintaining licenses & certification

➢ Provides an opportunity for students to become entrepreneurs and leaders by taking a business/management minor.

INTRODUCTION ON MINOR DEGREE-VTU REGULATIONS

For B. Tech. with a **Minor**, a student needs to earn an additional **18 credits** (over and above the required 160 credits for the B.E./B. Tech program).

➢ The **list of ONLINE courses** of each Minor program, the respective credits weightage, and the semester-wise break-up of the courses are **published by the University.**

➢ All these **18 credits** need to be completed from the **IV semester to the VIII semester** only

➢ These **18 credits** are to be **earned** from the additional recommended courses offered through **ONLINE mode** https://online.vtu.ac.in

➢ The students should choose a **course** from the **list** against each semester (from the Minor course structure) other than the course they have studied/registered for regular B.E./B.Tech program. **No course** should be **identical** to that of **the regular B.E./B.Tech**., course.

➢ The students should take the **advice** of **faculty mentors** while **registering** for a course at the beginning of the semester. At any stage, if it is found that the course is repeated, the registration will be canceled.

After registering for the Minor program, if a **student is unable** to **earn** all the required 18 credits in a **specified duration**, he/she shall **not be awarded** a Minor degree. However, if the student earns all the required **160 credits of B.E./B.Tech**., he/she will be awarded only B.E./B. Tech degree in the concerned branch

➢ Minor must be **completed simultaneously** with a **major degree program**. A student cannot earn the Minor after he/she has already earned a bachelor's degree

➢ The student can choose **only one Minor program** along with his/her **basic engineering degree**. A student who chooses an **Honours program** is **not eligible** to choose a **Minor program** and **vice-versa**

➢ There is **no transfer of credits** from **Minor program** courses to **regular B.E./B. Tech**. Degree course and vice-versa. No student **is permitted to switch** from **Honour's program to Minor's** program and vice-versa.

➢ Students can choose the number of courses per semester in such a way that he/she can complete the courses of **18 (or more) credits before** the completion of the **duration** of the **major degree program.**

➢ The **Institute** can opt the courses from an **external industry/agency/institute** recommended and approved by the **concerned BOS**.

ELIGIBILITY CRITERIA FOR REGISTRATIONS

- Registration for a **Minor degree** shall start from the **fourth semester** of the B.E./B.Tech. program.
- The **minimum CGPA** required to maintain up to the **3rd semester** at the time of registration and at the time of completion of the **major(core) degree program is ≥ 5.0.**
- A student can opt for only one minor program along with the major (degree) program. No student shall be permitted to register for both honors as well as minors.
- A student may choose to pursue a B.E./B.Tech. degree with a minor program if, at the time of registration, she/he has permissible backlogs up to the third semester under the regulations governing the
- B.E./B.Tech. degree and provided that the student's cumulative grade point average (CGPA) after the third semester does not fall below 5.0 (according to clause 22OB6.4.1(a)).

ELIGIBILITY CRITERIA FOR REGISTRATIONS

- Before receiving a major degree, students who enroll in a minor degree program must successfully complete (pass) all prerequisite courses. Even if she/he fails in the courses chosen for minor degree programs, they must be finished (passed) before a major degree is granted.
- The students have to complete the major degree program within a minimum duration of 04 years. (for lateral entry students 03 years)
- The **minimum CGPA** required to maintain up to the **3rd semester** at the time of registration and at the time of completion of the **major(core) degree program is ≥ 5.0.**
- Students are governed by the regulations governing the B.E./B.Tech. the degree program, however, she/he shall complete all the required minor degree program courses and **earn credits ≥ 18 before the completion(qualify) of the major degree program** as per the Major degree regulations

REGISTRATION PROCEDURE

- Any student meeting the eligibility criteria specified above and intending to register for the Minor qualification shall apply to the University through the Principal of his /her Institute in the prescribed form/online form along with the prescribed application fees within 15 Working days after notification by the University.
- There shall be no limit on the intake of students for registration for the Minor qualification.

  All the applicants fulfilling the eligibility criteria can register.
- The students shall pay a one-time non-refundable registration fee as prescribed by the

  University to confirm the registration.

IMPLEMENTATION STRATERGIES MINOR DEGREE

Orientation to students on initiative of online courses with **BE Minor degree regulations**

➢ **Dept/BOS** has to **select** the relevant **online courses** for major degree from **VTU –BOS approved** list

➢ **Student** willing to **opt** for **major degree** shall **apply** to **university** through the principal with prescribed from with **application fee**

➢ The Student has study **advanced courses** from the same discipline specified in VTU-BOS approved online course **additional min 18 credits** through **online mode**

➢ Student has to **register and participate in certificate** for the courses from NPTEL/VTUOnlinecourses/**MOOC** platform as **prescribed by VTU**

➢ A **online Completed certificate** can be used for the designated subject only. The same online certificate **cannot** be used towards other co-curricular participation of other subjects

PROCEDURE FOR REGISTRATION

a. The students have to **register online** though https://online.vtu.ac.in

b. Click on the **Sign in** button on the top Right Corner

c. If the students are New User, Click on **Create an account.**

d. Fill your **e-mail Id**, **Phone No**, Name and **Create a New Password**

e. Click Sign Up, **Enter OTP**.

f. **Login** by entering your e-mail Id and Password.

g. You will be taken to the **student dashboard**. Click on Academics on the top right corner the Click on **Apply for Minor Degree.**

h. **Fill up** the details and **submit form.**

PROCEDURE FOR REGISTRATION

2. The Registration fees of Rs.1000/- shall be paid through registration portal only. No other payment mode is accepted and if made , the same will not refunded.

3. This year (2023-24) registration are permitted only to students with USNXXX21XXXXX(Regular), USN XXX22XX4XX(Diploma Lateral Entry).

4. Students have to complete the minors degree from 5th semester to 8th semester.

5. There shall be no limit on the intake for registration to B.E./ B.Tech Minor Degree Programmes.

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ATME College of Engineering

LIST OF DOCUMENTS REQUIRED FOR MINOR REGISTRATION

1. All Semester marks card from **1st to 3rd sem** with **individual scanned copy** and attested hard copies

1. Recent **Scanned** copy of **passport size photo**

2. Scanned copy of **Signature**

3. Caste Certificate in case **SC/ST**

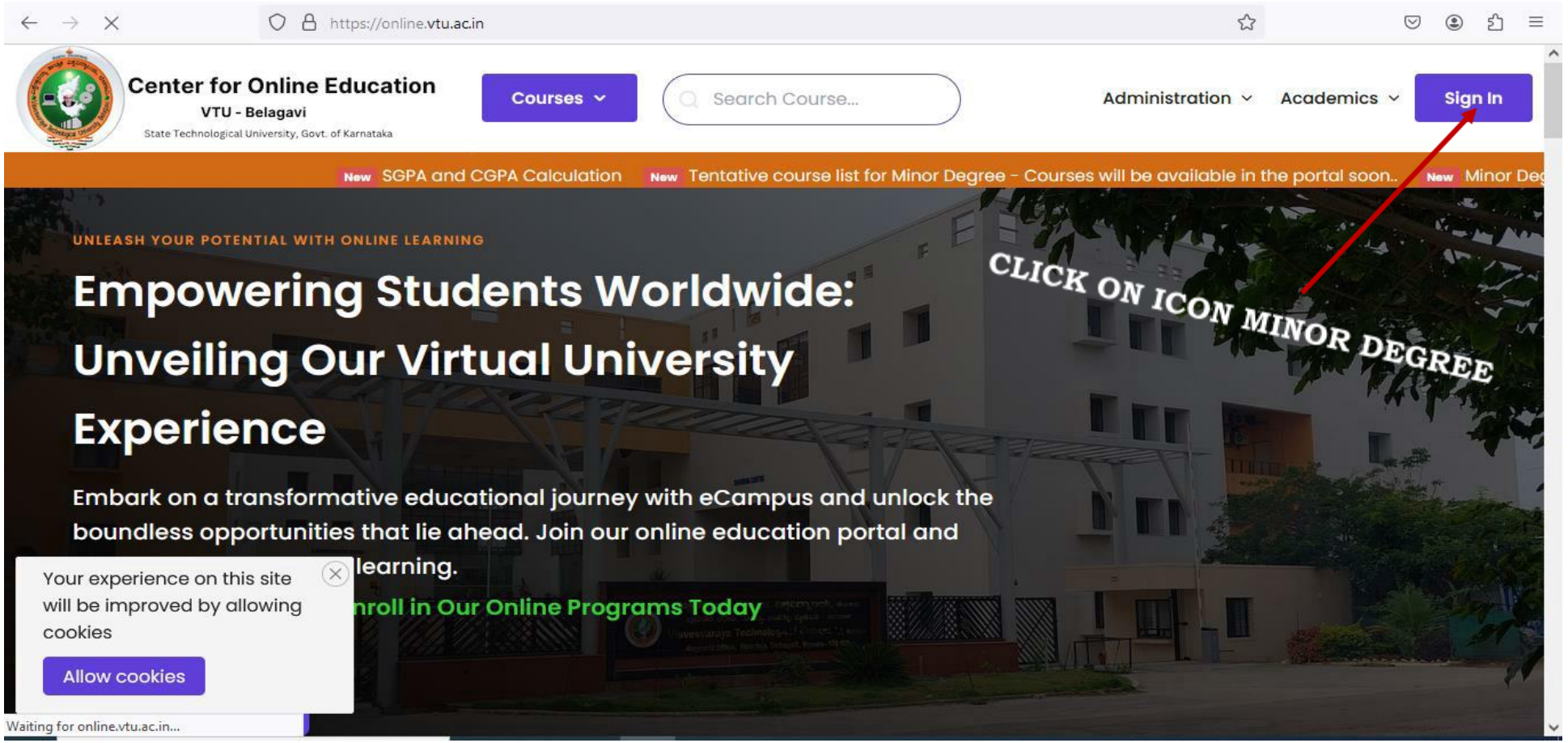
4. Identification card –Aadhar card/Voter id/pan card/passport

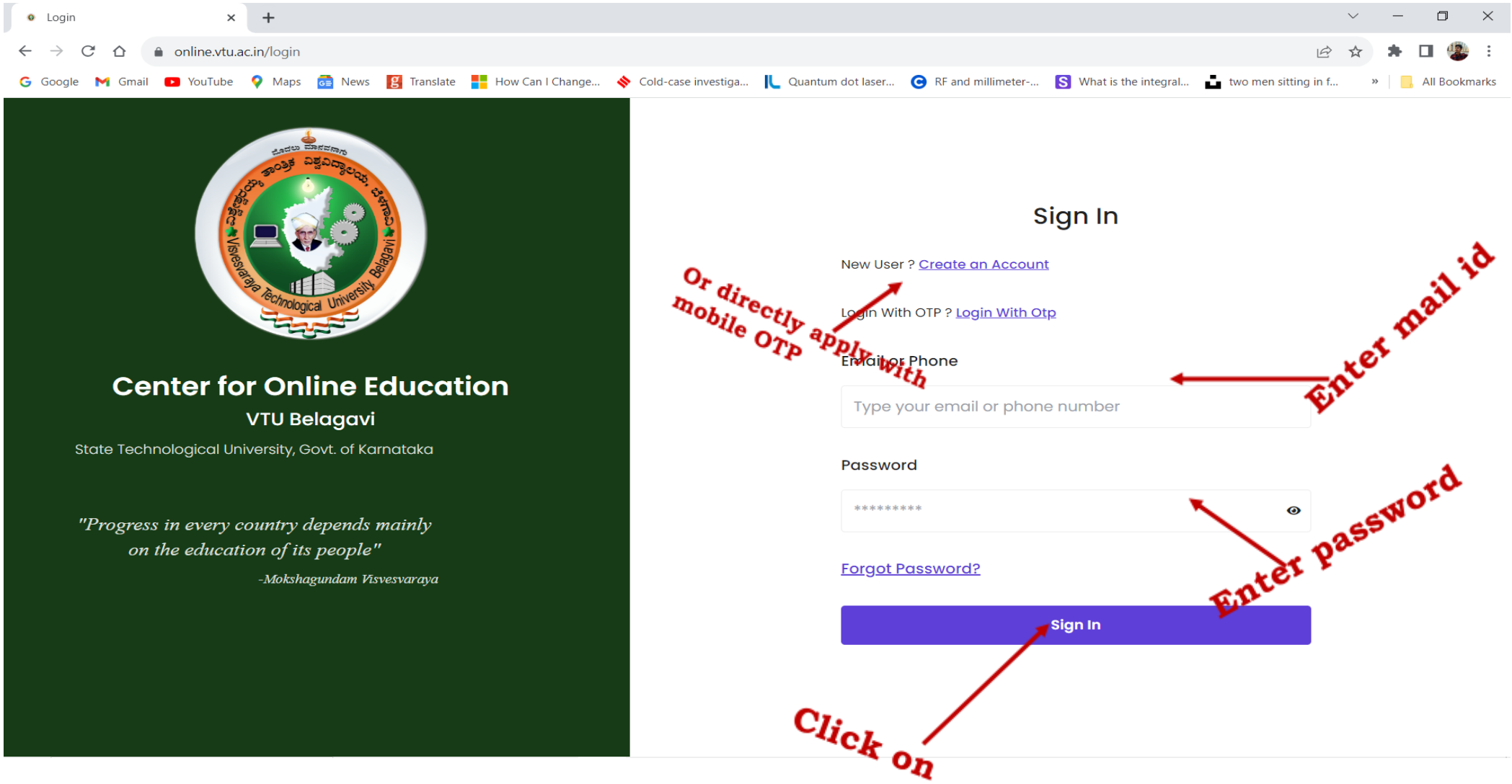
5. Identify **Faculty Mentor** Name

Note- 1) All sca**nned copies** size should be **less than 1MB**

- 2) All above documents **hard copies** with attested and **minor degree application** **also** **transaction ID** need to be **submitted to dept**

1. https://online.vtu.ac.in

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"Progress in every country depends mainly on the education of its people"
-Mokshagundam Visvesvaraya
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Type your email or phone number
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Or directly apply with mobile OTP
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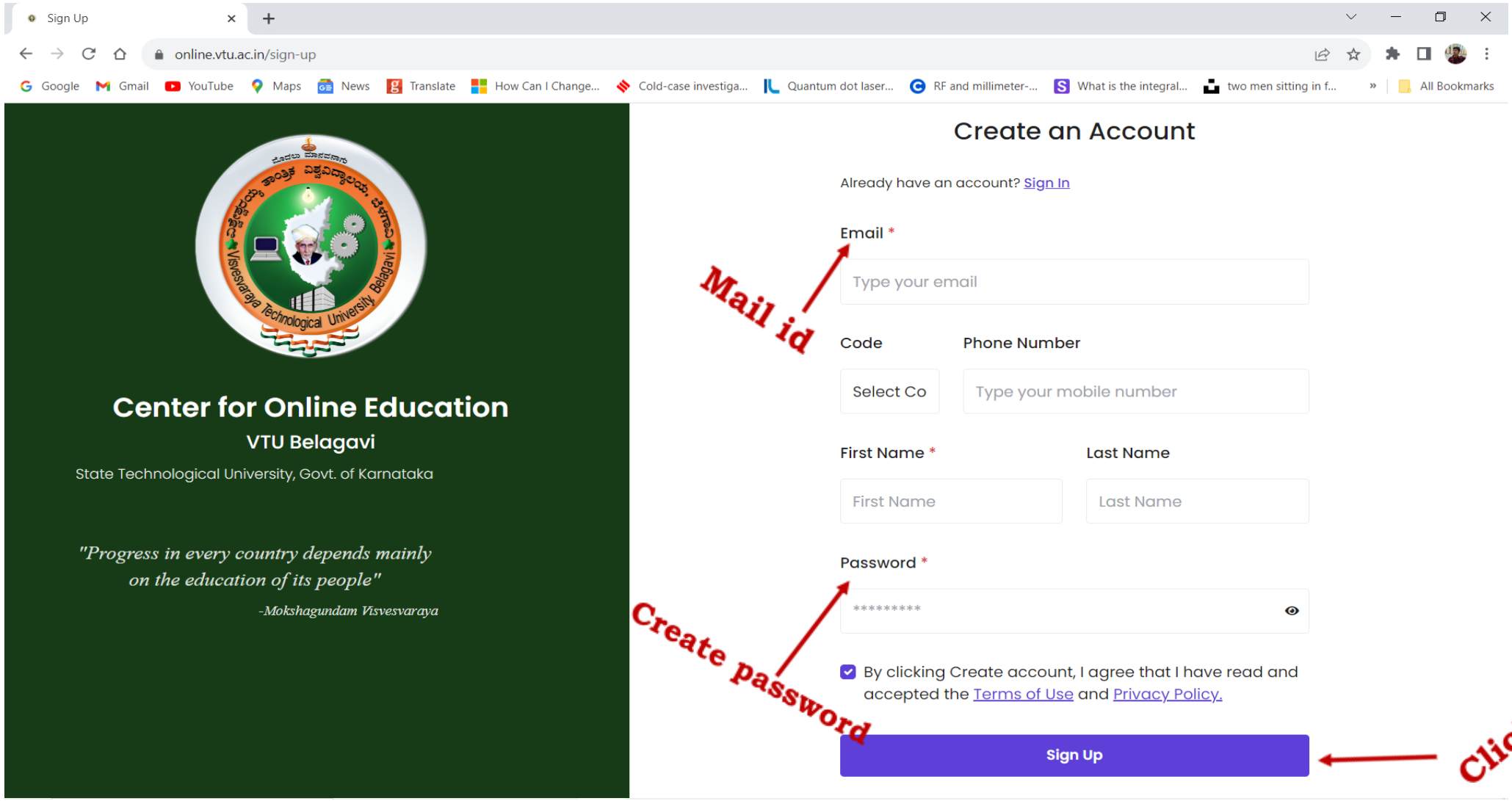
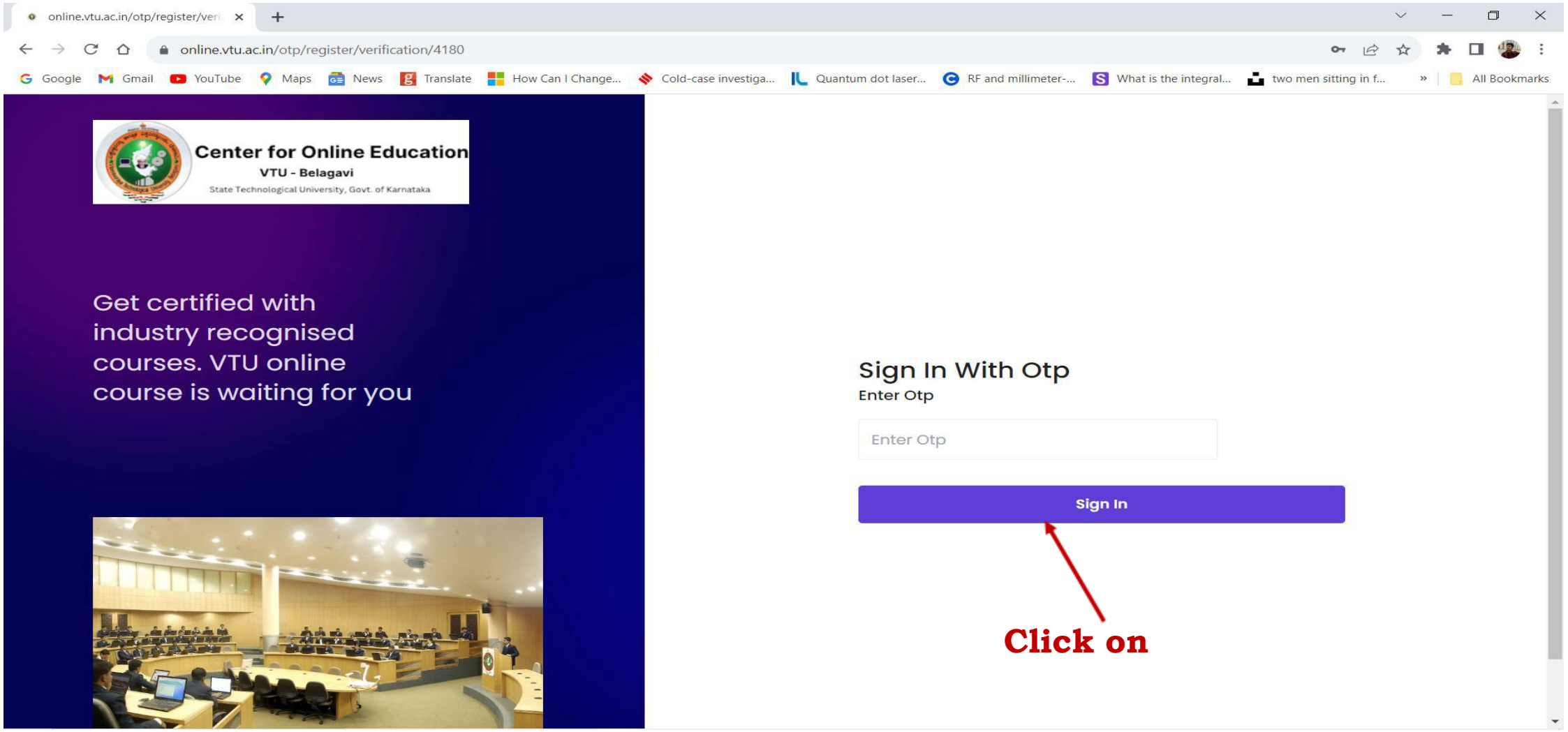
ATME College of Engineering

CREATE ACCOUNT

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State Technological University, Govt. of Karnataka
Get certified with industry recognised courses. VTU online course is waiting for you
Sign In With Otp
Enter Otp
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Sign In
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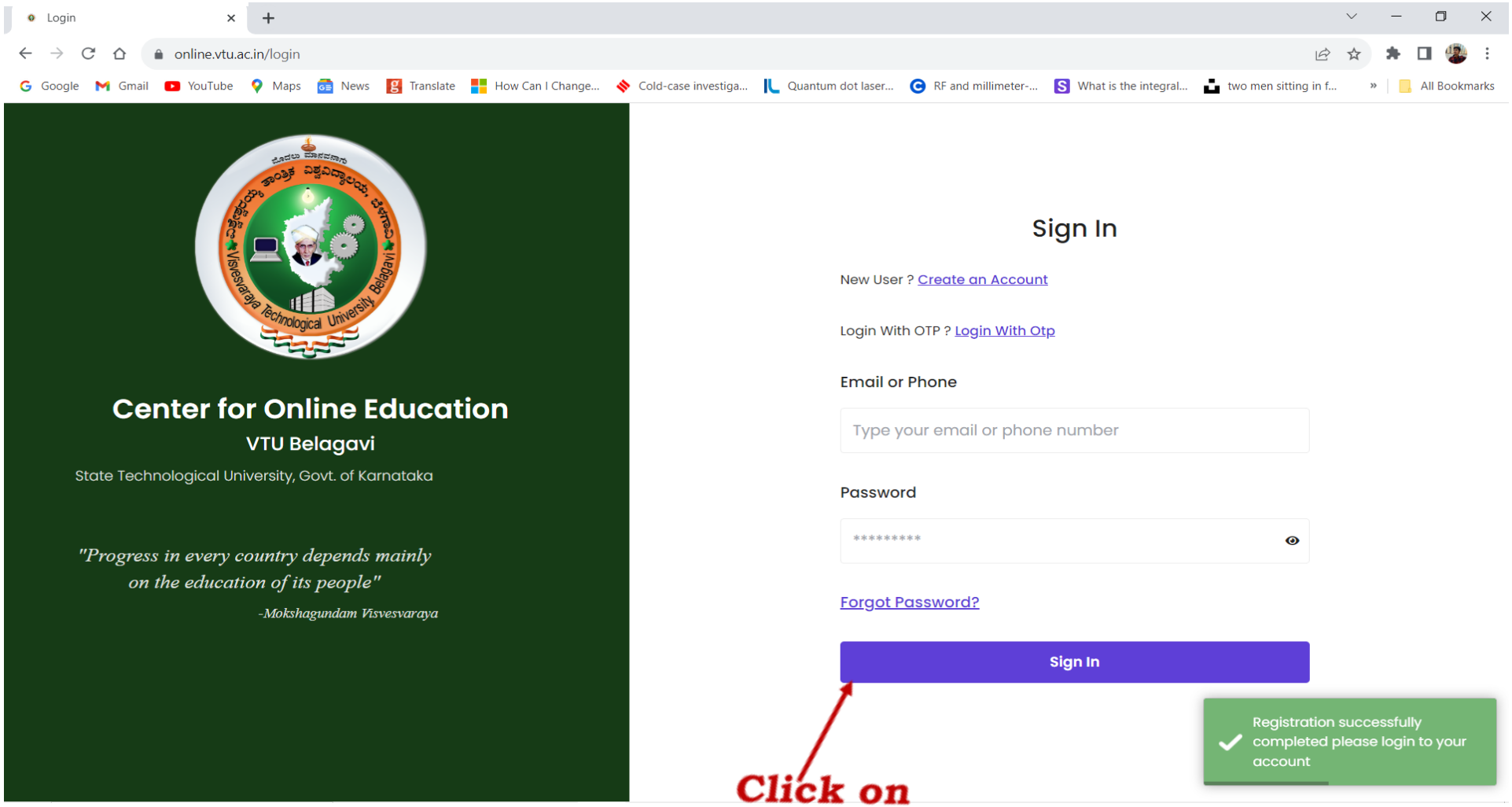
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"Progress in every country depends mainly on the education of its people"
-Mokshagundam Visvesvaraya
Sign In
New User ? Create an Account
Login With OTP ? Login With Otp
Email or Phone
Type your email or phone number
Password
Forgot Password?
Sign In
Registration successfully completed please login to your account
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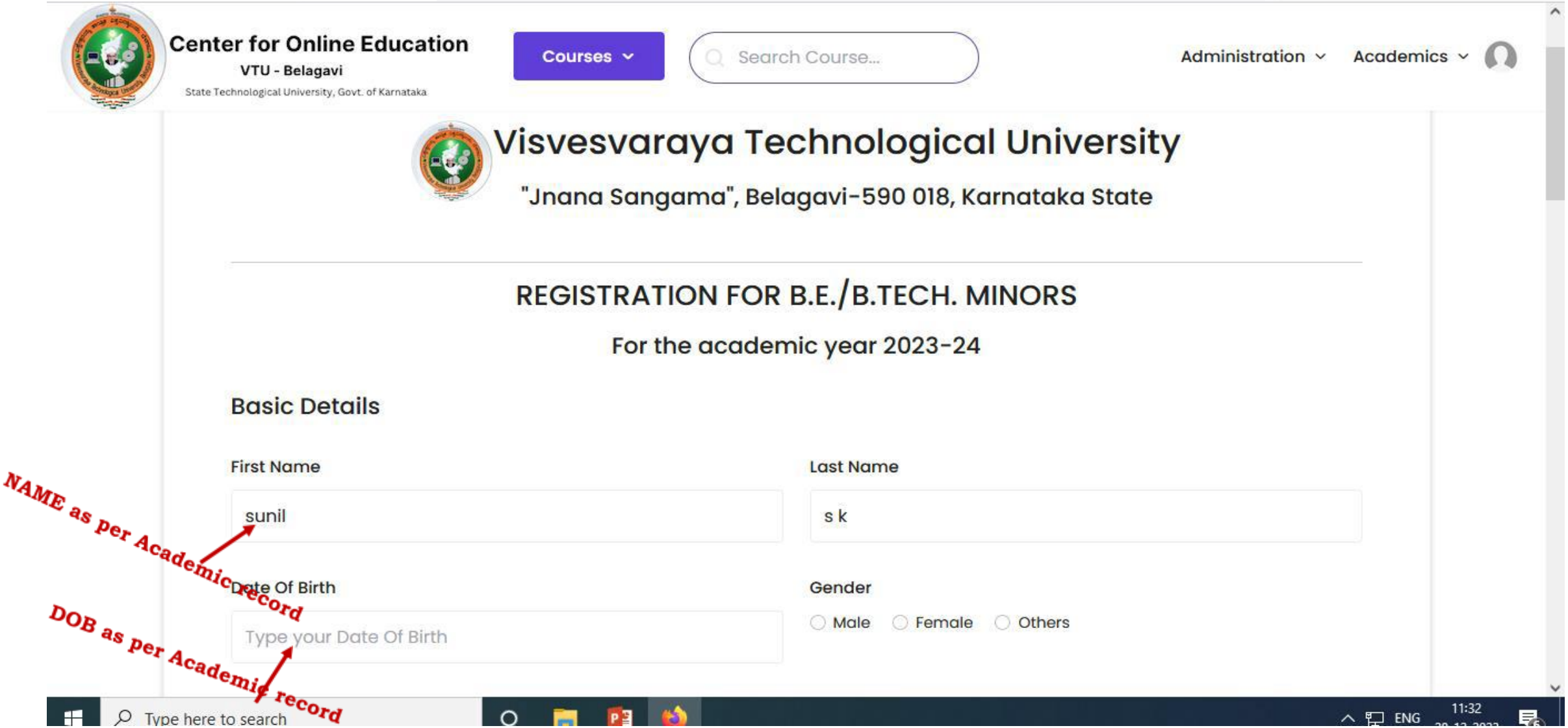
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Center for Online Education
VTU - Belagavi
State Technological University, Govt. of Karnataka
Courses
Search Course...
Administration
Academics
Visvesvaraya Technological University
"Jnana Sangama", Belagavi-590 018, Karnataka State
REGISTRATION FOR B.E./B.TECH. MINORS
For the academic year 2023-24
Basic Details
First Name
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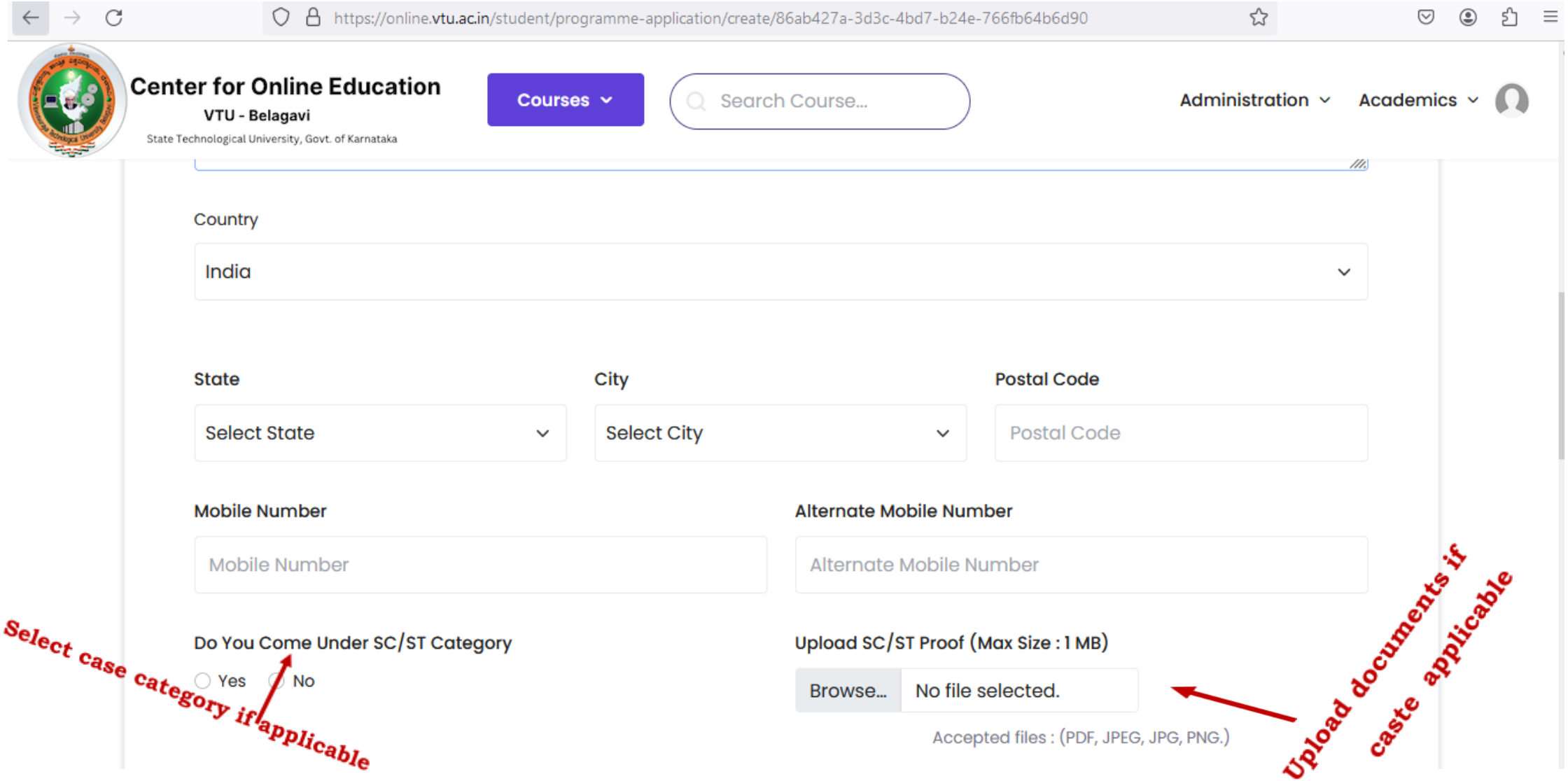
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State Technological University, Govt. of Karnataka
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Do You Come Under SC/ST Category
Yes
No
Upload SC/ST Proof (Max Size : 1 MB)
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Courses | Search Course... | Administration | Academics

Are you Physically Challenged?

Yes No

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Upload Passport Size Photo

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Upload Identification Card (Max Size : 1 MB)

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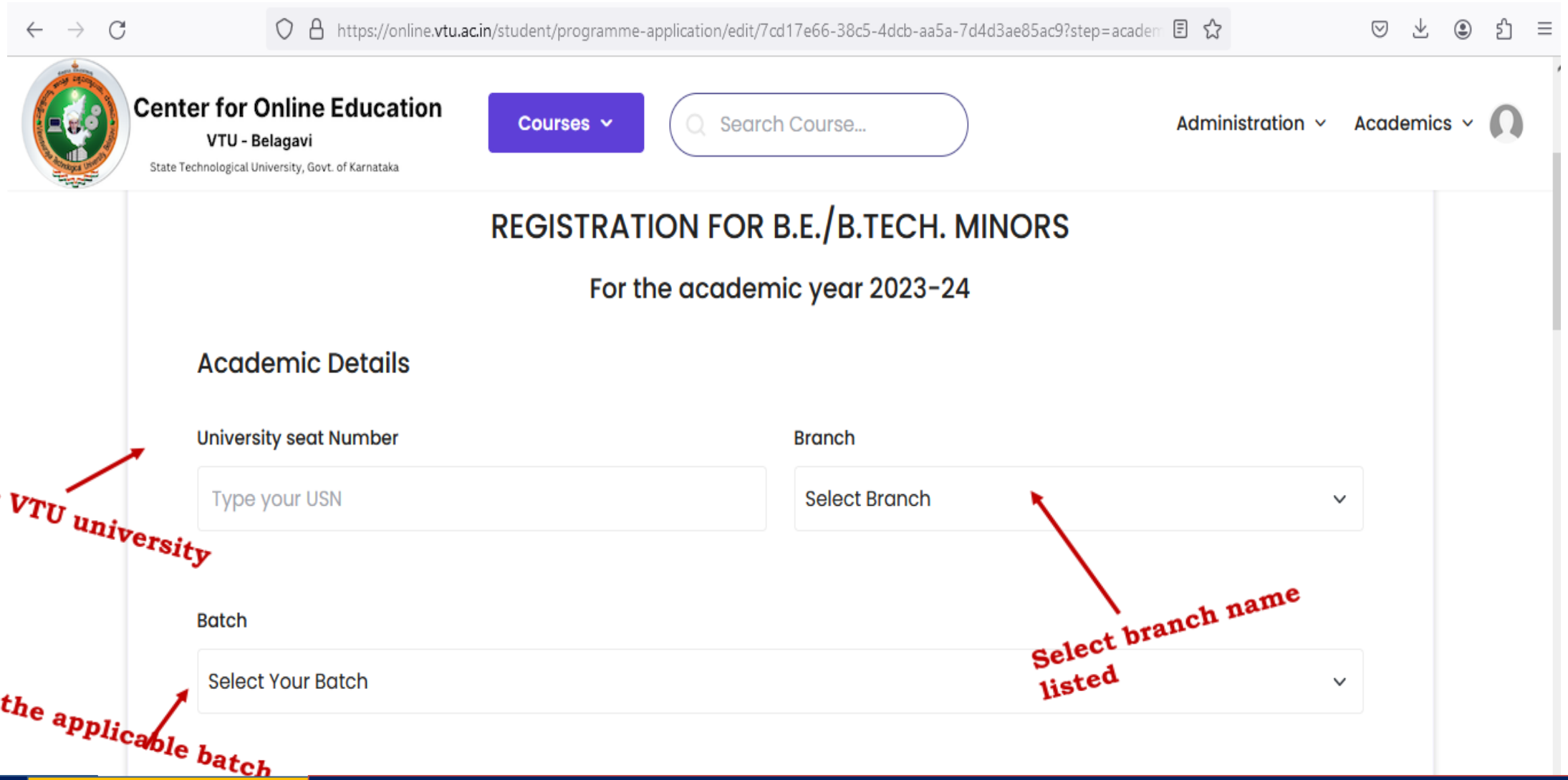
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REGISTRATION FOR B.E./B.TECH. MINORS
For the academic year 2023-24
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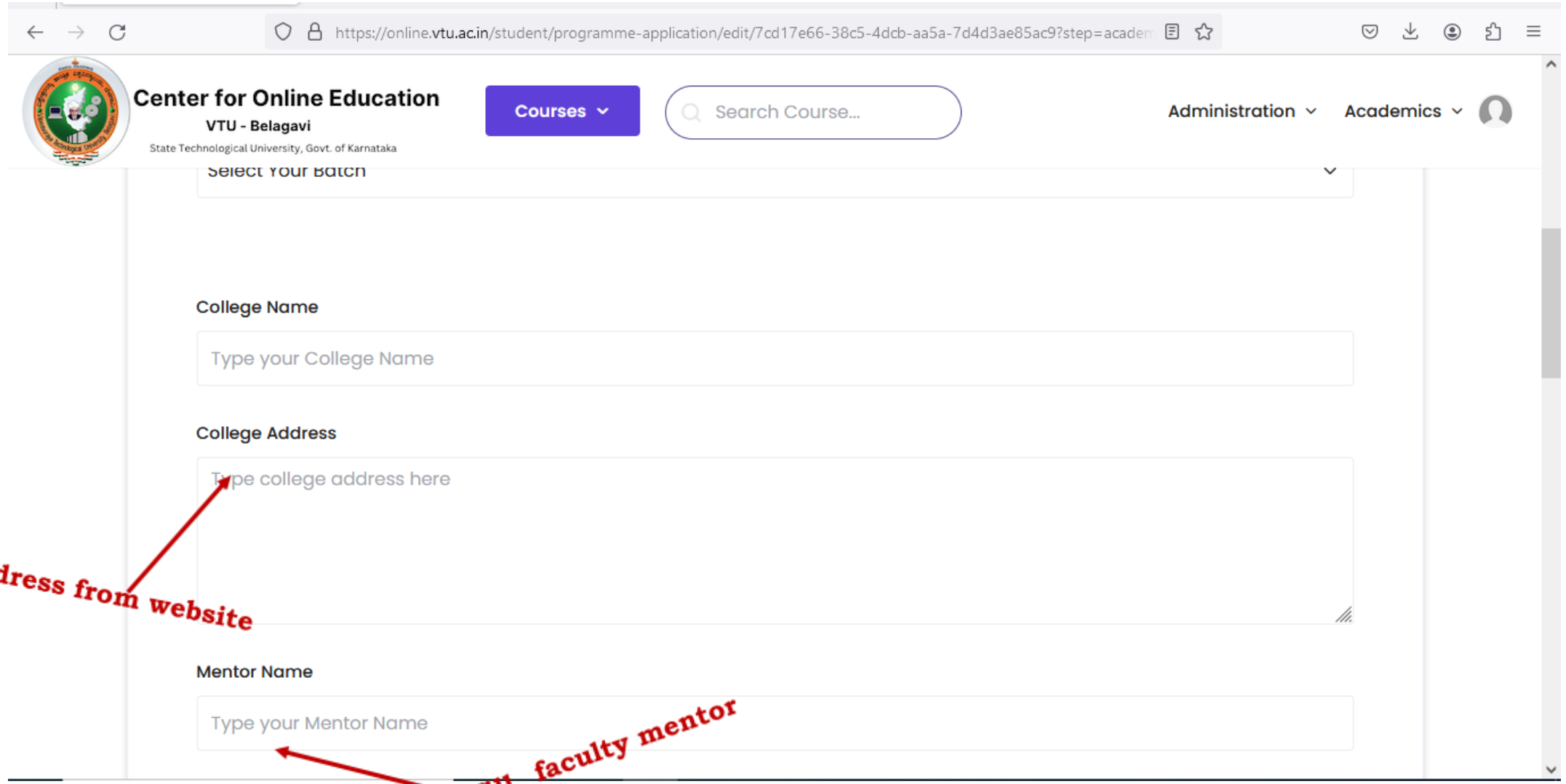
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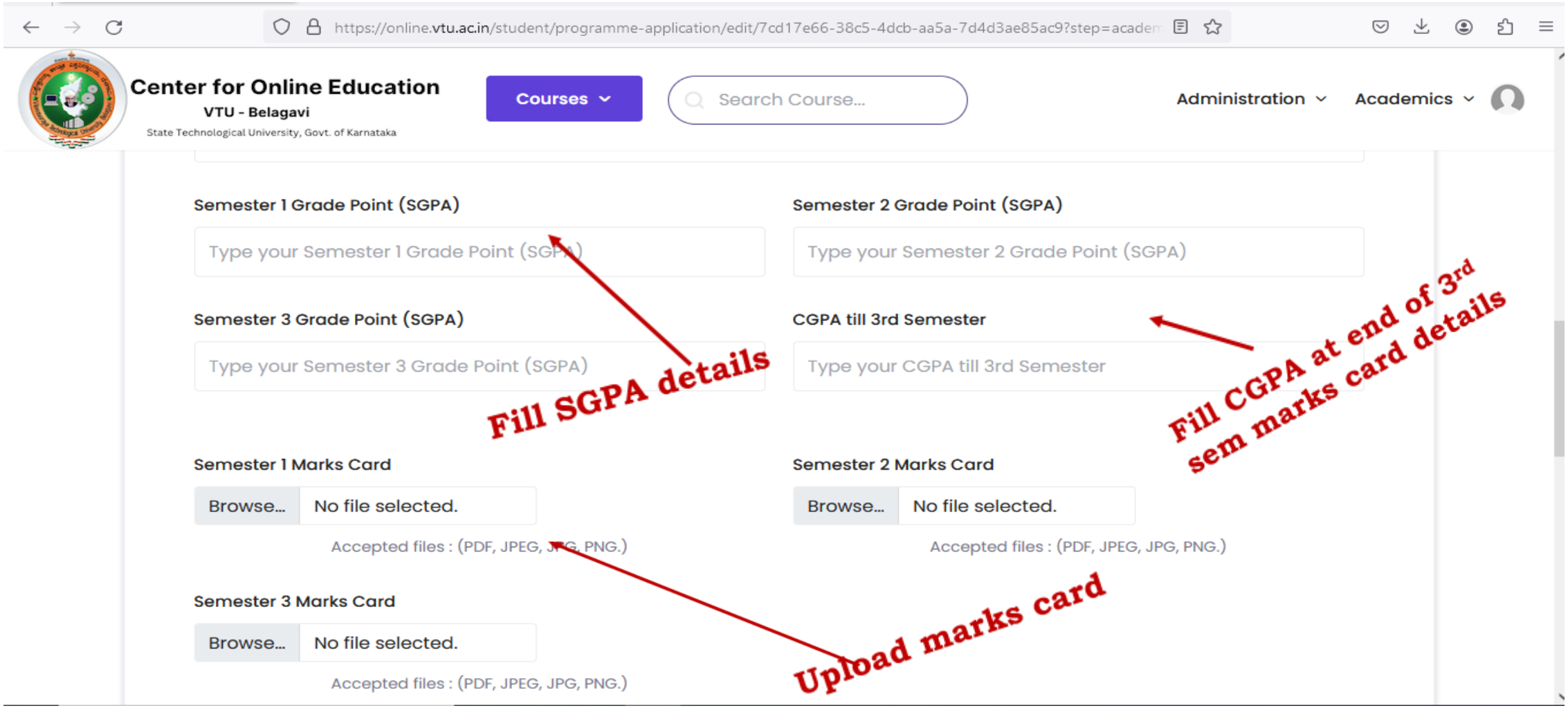
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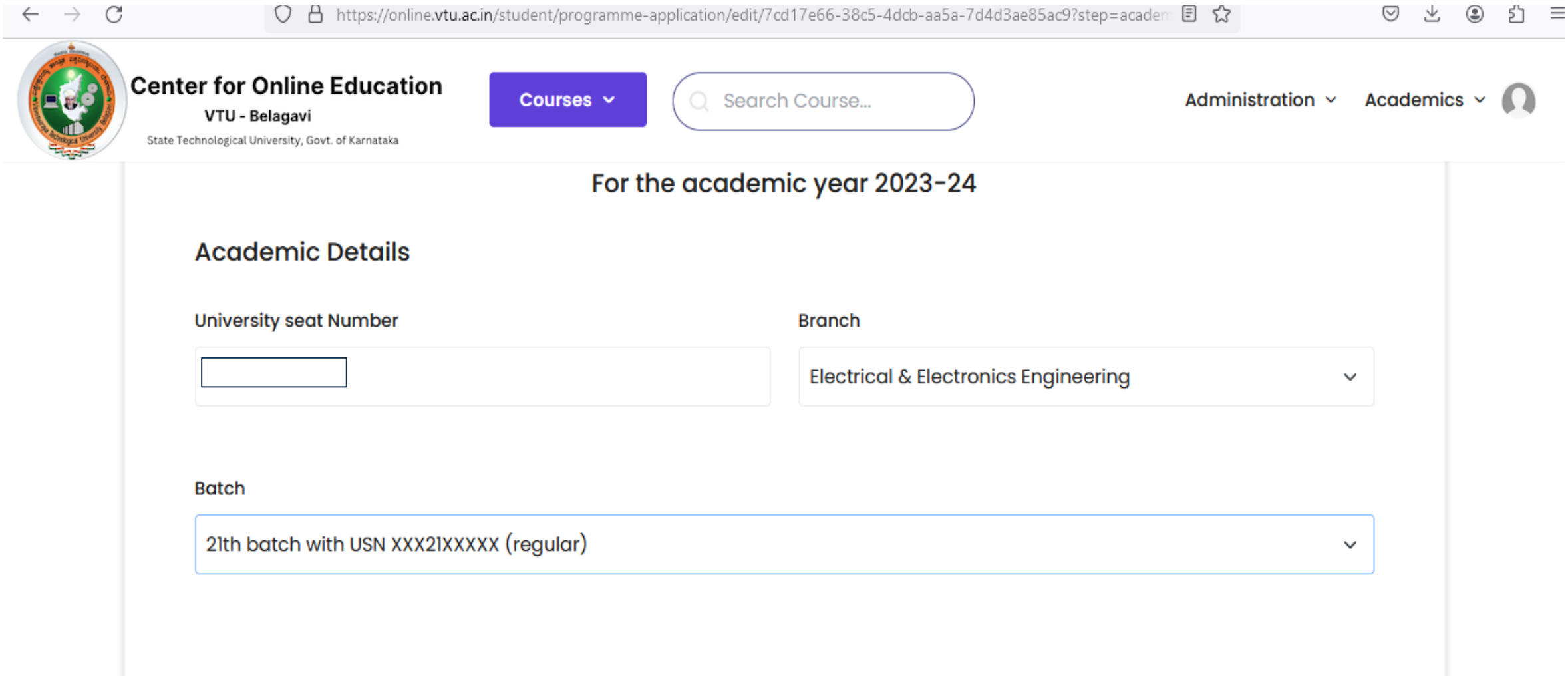
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For the academic year 2023-24
Academic Details
University seat Number
Branch
Electrical & Electronics Engineering
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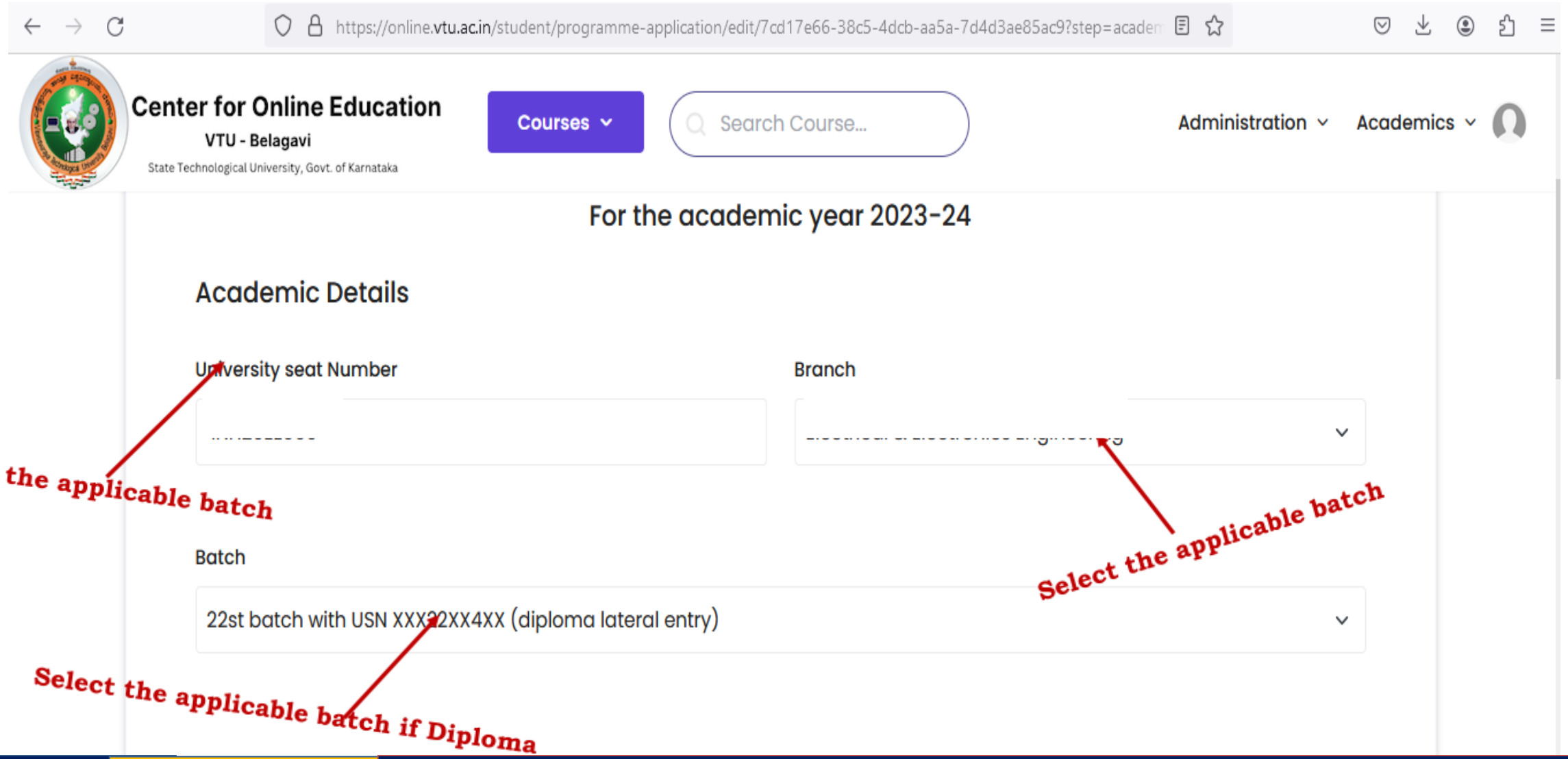
21th batch with USN XXX21XXXXX (regular)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For the academic year 2023-24
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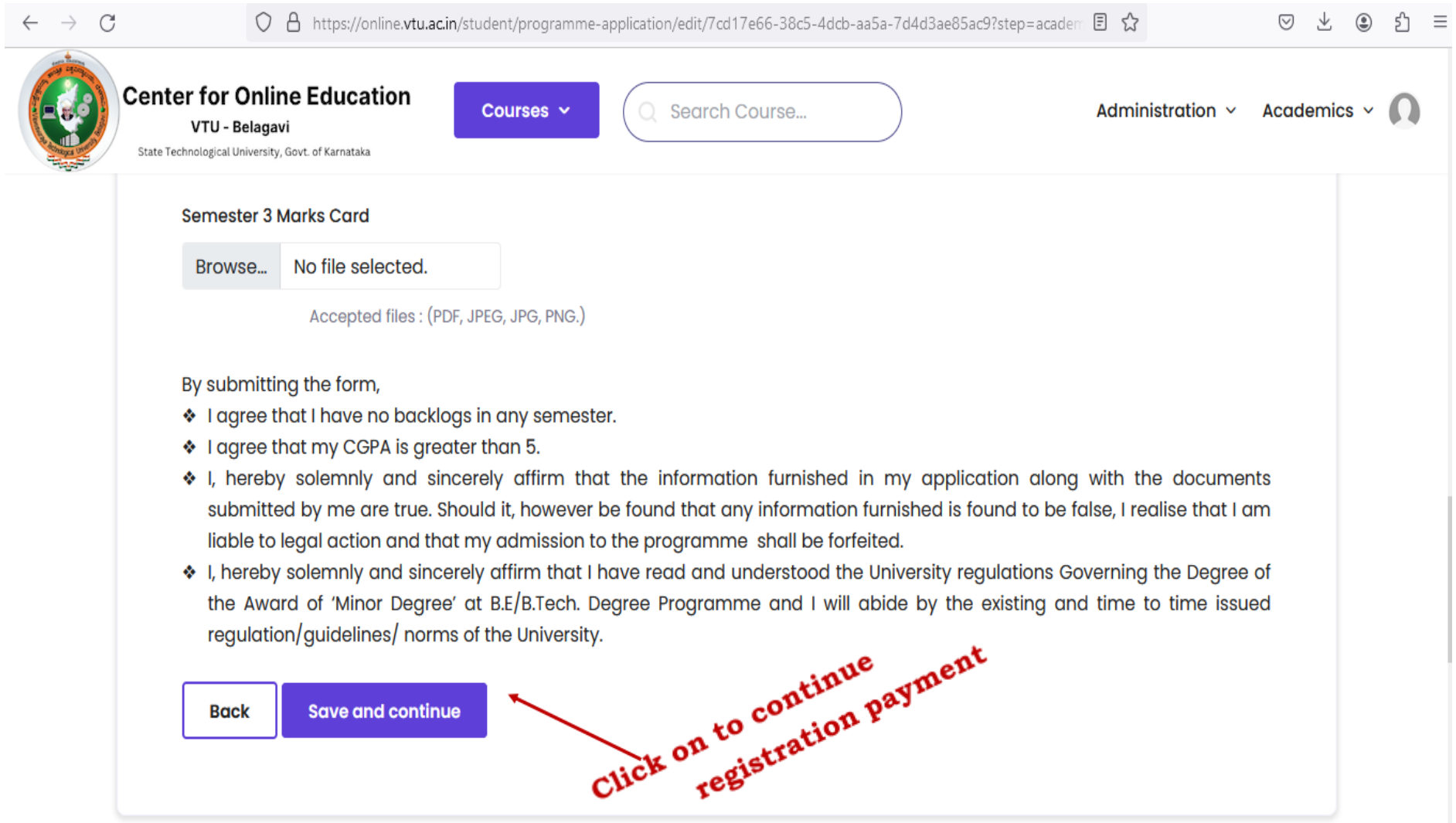
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I agree that I have no backlogs in any semester.
I agree that my CGPA is greater than 5.
I, hereby solemnly and sincerely affirm that the information furnished in my application along with the documents submitted by me are true. Should it, however be found that any information furnished is found to be false, I realise that I am liable to legal action and that my admission to the programme shall be forfeited.
I, hereby solemnly and sincerely affirm that I have read and understood the University regulations Governing the Degree of the Award of 'Minor Degree' at B.E/B.Tech. Degree Programme and I will abide by the existing and time to time issued regulation/guidelines/ norms of the University.
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6.5	6.5

Semester 3 Marks Card

View Document

Click to verify all details before submitting

Programme Name : Apply For Minor Degree and Diversify Your Expertise

Programme Amount : ₹ 1000.00

Category Discount : - ₹ 0

Convenience Fee : ₹ 20

Total : ₹ 1020

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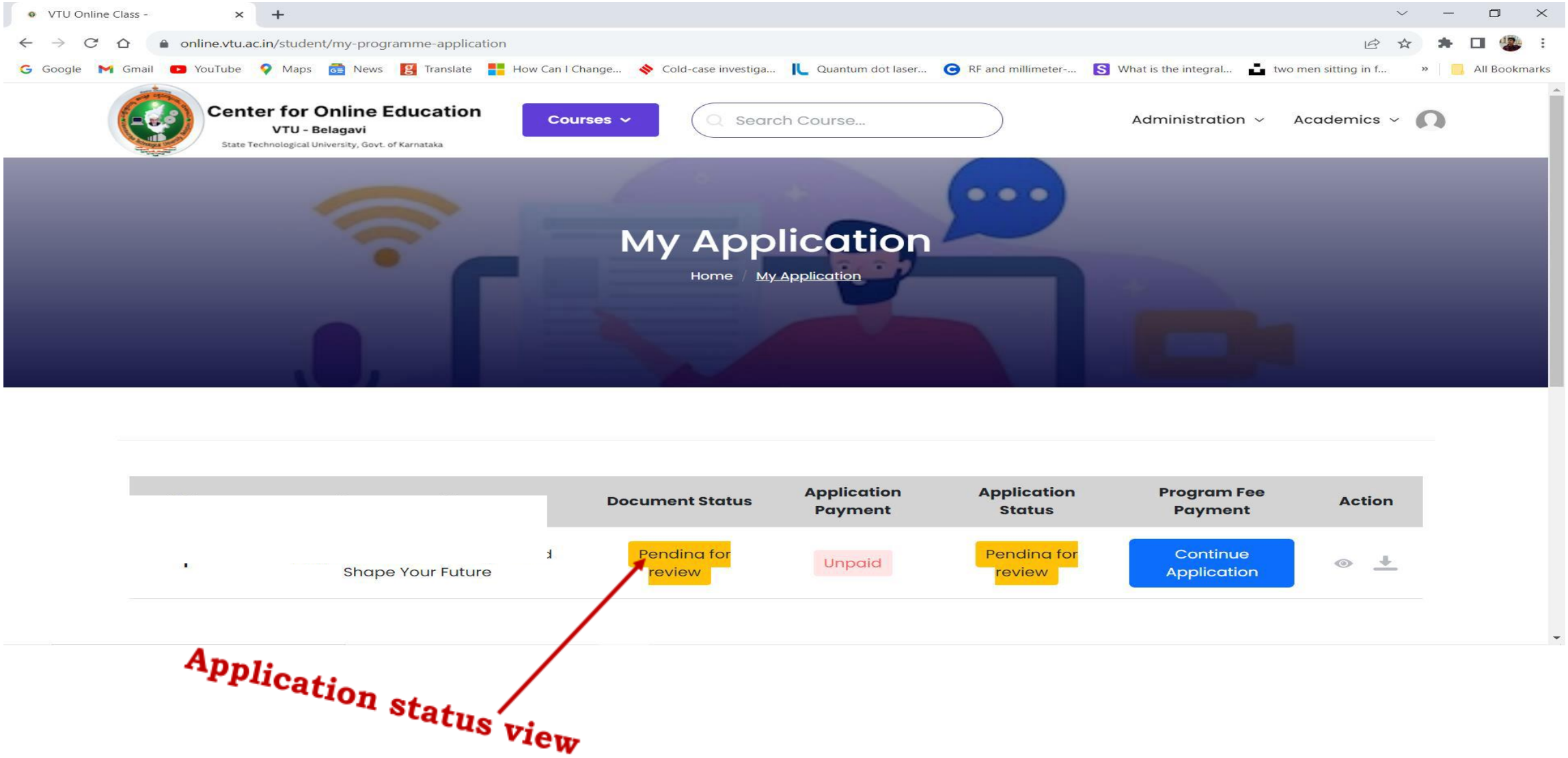
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Action
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Pending for review
Unpaid
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Continue Application
Application status view

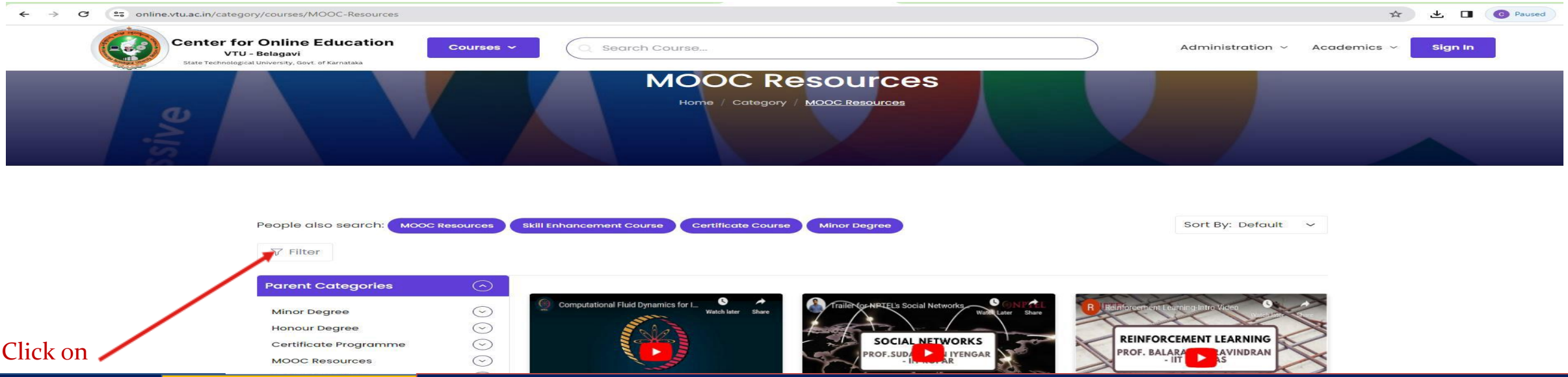
Annexure - VI

Example for awarding of Minor degree

S. No.	Minor Program track name	Eligible branch of students	@ Offering Department	Award of Degree
1.	Artificial Intelligence & Machine Learning	All branches, except B. Tech. in CSE (AI&ML)/B.Tech. (AI&ML)/ B. Tech. (AI)/ B.Tech. CSE(AI)	CSE	"B.E./B. Tech. in branch-name with Minor in Artificial Intelligence & Machine Learning"
2.	Cyber Security	All branches, except B. Tech. in CSE (Cyber Security)/ B.Tech. (Cyber Security)	CSE	"B.E./B. Tech. in branch-name with Minor in Cyber Security"
3.	Data Science	All branches, except B.Tech. In CSE (Data Science) /B.Tech.(Data Science)	CSE	"B.E./B.Tech.in branch name with Minor in Data Science"
4.	IOT	All branches, except B.Tech. in CSE(IOT)/B.Tech.(IOT)	ECE	"B.E./B. Tech. in branch -name with Minor in IOT"
5.	Innovation and Entrepreneurship	All branches.	Management Science /MBA	"B.E./B. Tech. in branch name with Minor in Innovation and Entrepreneurship"

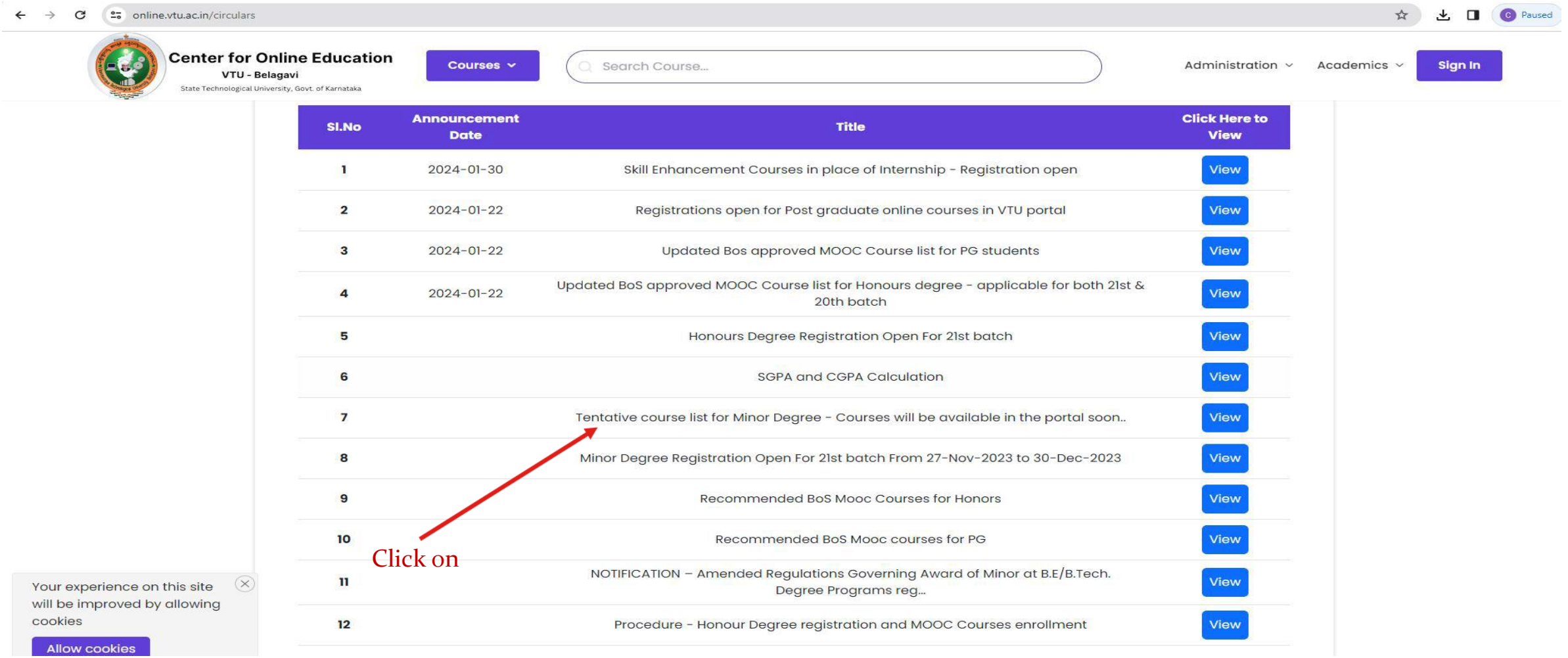
VTU ONLINE COURSES

- **Dept/BOS** has to **select** the relevant **online courses** for major degree from **VTU –BOS**
- **approved** list from https://online.vtu.ac.in/
- The Student has study **advanced courses** from the same discipline specified in **VTU-BOS**
- **approved** online course **additional min 18 credits** through **VTU courses online mode**
- Student has to **register and participate in certificate** for the courses from **VTU Online MOOC**
- **courses** platform as **prescribed by VTU**



TENTAIVE MINOR COURSES LIST

https://online.vtu.ac.in/circulars



Thank You