For the students who are willing to take an Industry Internship for one-semester duration and independent project work next semester

<table>
<tr><td colspan="15">VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Scheme of Teaching and Examinations – 2024
M.Tech., Geoinformatics (CGI)
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)</td></tr>
<tr><td colspan="15">IIISEMESTER (B)</td></tr>
<tr><td rowspan="3">Sl. No</td><td rowspan="3">Course</td><td rowspan="3">Course Code</td><td rowspan="3">Course Title</td><td colspan="3">Teaching Hours /Week</td><td colspan="4">Examination</td><td rowspan="3">Credits</td></tr>
<tr><td>Theory</td><td>Practical/ Mini–Project/ Internship</td><td>Tutorial/ Skill Development Activities</td><td>Duration in hours</td><td>CIE Marks</td><td>SEE Marks</td><td>Total Marks</td></tr>
<tr><td>L</td><td>P</td><td>SDA</td><td></td><td></td><td></td><td></td></tr>
<tr><td>1</td><td rowspan="3">MDC/PEC</td><td>MCGI311</td><td>Geoinformatics Project Planning and Applications</td><td>02</td><td>00</td><td>02</td><td>03</td><td>50</td><td>50</td><td>100</td><td>3</td></tr>
<tr><td>2</td><td>MCGI312X</td><td>Professional Elective-5</td><td>02</td><td>00</td><td>02</td><td>03</td><td>50</td><td>50</td><td>100</td><td>3</td></tr>
<tr><td>3</td><td>MCGI313X</td><td>Professional Elective-6</td><td>02</td><td>00</td><td>02</td><td>03</td><td>50</td><td>50</td><td>100</td><td>3</td></tr>
<tr><td>4</td><td>INT</td><td>24INT384</td><td>Research Internship</td><td colspan="3">One semester Duration</td><td>03</td><td>100</td><td>100</td><td>200</td><td>11</td></tr>
<tr><td colspan="4">TOTAL</td><td>06</td><td>00</td><td>06</td><td></td><td></td><td></td><td>500</td><td>20</td></tr>
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<tr><td colspan="2">**Professional Elective-5**</td><td colspan="2">**Professional Elective-6**</td></tr>
<tr><td>Course Code</td><td>Course Title</td><td>Course Code</td><td>Course Title</td></tr>
<tr><td>MCGI312A</td><td>Unmanned Aerial Systems (UAS) and Applications</td><td>MCGI313A</td><td>Geoinformatics in Marine and Coastal Resources Management</td></tr>
<tr><td>MCGI312B</td><td>Programming in .Net, JavaScript and HTML, Cloud Computing</td><td>MCGI313B</td><td>Location Based Intelligence and Supply Chain Management.</td></tr>
<tr><td>MCGI312C</td><td>Advanced Earth Observation Systems and Applications</td><td>MCGI313C</td><td>Programming Skills in spatial data analytics</td></tr>
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SI. No	Course	Course Code	Course Title	Teaching Hours /Week Theory (L)	Practical/ Field work (P)	Examination Duration in hours	CIE Marks	SEE Marks Viva voce	Total Marks	Credits
IV SEMESTER (B)										
1	Project	MPRJ481	Project work	--	08	03	100	100	200	20
				04	**08**	**03**	**100**	**100**	**200**	**20**

Research Internship: A research internship is an opportunity for students or early career professionals to gain hands-on experience in conducting research under the guidance of a mentor or within a research team. These internships can take place in academic institutions, research organizations, government agencies, or private companies

Research /Industry Internship: In the third-semester Students have to be in touch with a guide/mentor/coordinator and regularly submit the report referred to the progress internship. Based on the progress report the Guide/Mentor/coordinator has to enter the CIE marks at the end of the 3rd semester. At the beginning of the 4th semester, students have to define the project topic out of the learning due to the Internship, upon completion of the project work he/she has to attend the SEE at the parent Institute

Industry Internship: The main objective of the industry internship is to ensure that the intern is exposed to a real-world environment and gains practical experience. Often, it may be a practical exposure to the theory that has been learned during the academic period. The industry internship helps students understand of analytical concepts and tools, hone their skills in real-life situations, and build confidence in applying the skills learned. The students who take up a one-semester Internship in the Industry have to appear SEE at the institute at the end of the semester as per the examination calendar.

Project Work: Students in consultation with the guide shall carry out literature survey/ visit industries to finalize the topic of the Project. Subsequently, the students shall collect the material required for the selected project, prepare a synopsis, and narrate the methodology to carry out the project work. Each student, under the guidance of a Faculty, is required to
- Present the seminar on the selected project orally and/or through Power Point slides.
- Answer the queries and be involved in debate/discussion.
- Submit two copies of the typed report with a list of references.

- The participants shall take part in discussions to foster a friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident

CIE marks for the project report (20 marks), seminar (20 marks) and question and answer (10 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session by the student) by the committee constituted for the purpose by the Principal. The committee shall consist of internal guide and a faculty from the department with the senior most acting as the Chairperson.
Semester End Examination SEE marks for the project report (30 marks), seminar (10 marks) and question and answer session (10 marks) shall be awarded (based on the quality of the report and presentation skill, participation in the question and answer session) by the examiners appointed by the University.

Mxxx301/401 to 303/403:MOOC courses of 12 weeks duration are the courses suggested by the Board of Studies of the University and will be displayed on www.online.vtu.ac.in. The online courses selected should not be the same as those studied in the first and second semesters of the program. The student will not be eligible to get their degree if they unintentionally select online courses that match previously finished courses. These courses are not considered for the vertical progression; however, qualifying for these courses and earning the credits is a must for the award of the degree. It is permitted to complete these online MOOC courses either in 3rd semester or in 4th semester.