

**SE 216 – SOFTWARE PROJECT MANAGEMENT**  
**REQUIREMENTS DOCUMENT**

**PROJECT NAME:***DrivECO*

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| REQ. # | FUNCTIONAL REQUIREMENTS  |
|--------|--|
| 1      | Provide user registration and login interfaces.  |
| 2      | ID verification, verify ID's at each registration.                                     |
| 3      | Users are able to send messages to each other.   |
| 4      | Users must be able to create appointments.   |
| 5      | Program must store user information data securely.                                     |
| 6      | Users must be able to offer prices for trips.  |
| 7      | System must fetch student data from IUE.   |
| 8      | Program must be able to access to users location                                       |
| 9      | There will be a Help button to notify to the police dispatcher in an emergency.        |
| 10     | Money transfer tool implementation   |
| 11     | Users will verify their phone numbers through a one-time SMS code during registration. |

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| <b>12</b>     | Create a discount coupon.   |
| <b>13</b>     | App allows to blocking a user.  |
| <b>14</b>     | Show active appointments on the map.  |
| <b>15</b>     | Appointment filtering by time day price.  |
| <b>16</b>     | Showing the route to the destination point.   |
| <b>17</b>     | Showing estimated arrival time.   |
| <b>18</b>     | Estimated cost calculation.   |
| <b>19</b>     | Algorithm that matches students who have the same Schedule.                                       |
| <b>20</b>     | Saving the information of the created appointments.   |
| <b>21</b>     | There will be a help button to calls police.  |
| <b>22</b>     | Users will be able to switch between light and dark mode.   |
| <b>REQ. #</b> | <b>NON-FUNCTIONAL REQUIREMENTS</b>  |
| <b>1</b>      | Keeping the users location information confidential.  |
| <b>2</b>      | User data, including personal information and payment details, must be securely stored.           |
| <b>3</b>      | ID verification and phone verification processes should be robust to prevent unauthorized access. |

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| <b>4</b>  | The app should have an user-friendly interface, allowing users to easily navigate and utilize its features.              |
| <b>5</b>  | The app should be compatible with Android and IOS devices and web browsers.  |
| <b>6</b>  | The server must be designed to handle quantity of the IUE students.  |
| <b>7</b>  | Regular backups of user data and app configurations should be performed to prevent data loss in case of system failures. |
| <b>8</b>  | Server response times should be optimized to minimize latency during user interactions.                                  |
| <b>9</b>  | All appointment have to be shown in current status.  |
| <b>10</b> | ID's and Timetables fetched from the IUE database.   |