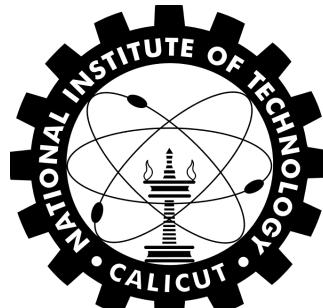


Web Programming Exercise 1

Development of a Website using HTML and CSS



Department of Computer Science and Engineering
National Institute of Technology Calicut

Submitted By: Group 7

Github Link: [WebCoursera](#)

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Introduction

Our E-Learning Platform named WebCoursera is a platform through which students can enroll for various courses based on their interest. Currently the courses offered through the platform are HTML, CSS, Java, Javascript and Python.

WebCoursera has the option to add more courses as and when needed. On accessing the website the student is first directed to the login page. If the user is new, they would need to first sign up and on successful sign up they would be directed to the central dashboard. This page consists of details of the student, their enrollments and their upcoming evaluations. The instructor has the option to conduct weekly assignments and evaluations individually for each student so as to ensure their understanding of the course. We have pages showing all the courses offered by the platform through which any student can enroll for a course as per their liking.

The platform also provides various pages such as help and support, contact us for the student to communicate with us any issue, and a query they would like to get resolved. The platform has also given their Terms and Conditions, Privacy Policy so as to ensure complete transparency with the students. Various filters such as filters based on length, sorting based on a weekly schedule are also added for each of the offered courses so that the students can access and complete a course in a timely manner. On the completion of the course, a certificate issued by the instructor is also given to the email ID of the student which was given by the student during the time of registration.

Project Github Link: <https://github.com/sidmenon23/WebCoursera/tree/main>

Q1. WebCoursera home page must display the icons for categories, search bar, login and sign up page.

Navbar



The navbar of the WebCoursera page contains the Brand Image, and tabs to About US, Contact Us, All Courses, Signup and Login Pages. It also has a Search Bar for the user to search different courses on the platform.

Login Page

A screenshot of the WebCoursera login page. The page features a large Python logo in the center, divided into blue and yellow sections with the text 'From beginners to advanced coders'. To the left, there's a section for 'EXCLUSIVE PYTHON ONLINE TRAINING' with a 'Register Now' button. On the right, there's a 'Login' form with fields for Email address and Password, a 'Remember password' checkbox, and 'SIGN IN' and 'OR' buttons. Below the form are 'LOGIN WITH FACEBOOK' and 'LOGIN WITH GOOGLE+' buttons. At the bottom, there are social media icons for WhatsApp, Instagram, Google+, Facebook, and Snapchat, along with links for Help and Support, Terms and Conditions, and Privacy Policy. The footer also includes the text 'WebCoursera © 2021'.

The login page is the landing page when a user enters the WebCoursera URL. The login page contains a form to collect the user's login credentials. An option to log in via Google and Facebook is also provided. The page also consists of a carousel with image slideshows of all the different courses offered on the platform. We have made course images for all courses and each image will remain on the screen for 4 seconds after which they change. They have been implemented using a circular queue so that the images do repeat after all courses have been displayed once. This page has a navbar and footer with links to different pages viz, About Us, Contact Us, All Courses, Signup Page, Help and Support, Terms and Conditions, and Privacy Policy. On entering the login credentials, the user is redirected to the Dashboard.

Signup Page

WebCoursera About Us Contact Us Courses [Sign Up](#) [Login](#)

**EXCLUSIVE PYTHON
ONLINE TRAINING**

Start your journey
today!

Register Now →

**From beginners
to advanced coders**

Sign Up

Username
Email address
Phone Number
Password
Confirm Password

Gender Male Female Others

SIGN UP

Help and Support Terms and Conditions Privacy Policy

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For every new user, we have a sign up page to take in details and register the new user on WebCoursera. To arrive at the sign up page, a user can click the 'Sign up' hyperlink from the login page or on the 'Sign Up' button on the nav bar above. On reaching the sign up page, the user will be presented with a form requiring details like Username, Email, Phone Number, Password and Gender. The page also consists of a carousel with image slideshows of all the different courses offered on the platform. On entering the required email and submitting by clicking the 'Sign Up' button, the details of the user will be acquired and they will be registered onto the platform. Only on successful entering of details will a user be directed to the Dashboard. The details entered here are used to communicate with the student henceforth and once a student logs in, they have the option to change information they provided initially during signing up.

Dashboard Page

The screenshot shows the WebCoursera dashboard. At the top, there's a navigation bar with links for 'About Us', 'Contact Us', 'Courses', 'Search' (with a placeholder 'Search'), and 'Logout'. Below the navigation is a yellow header section containing a user profile picture of Mathew Jose, his name, student status, email, phone number, and an 'Edit Details' button. To the right of this is a 'Current Progress' section showing three courses: 'Web Design' at 50%, 'Javascript' at 49%, and 'Python' at 49%. Below these are three course cards: 'HTML' by Andrew NG, 'CSS' by Mick Fring, and 'Python' by Mosh, each with a 'Continue' button. To the right is a 'Upcoming Evaluations' section listing 'HTML - Mid Evaluation' (24th September, 2021), 'Javascript - Test 5' (28th September, 2021), and 'CSS - Final Evaluation' (30th September, 2021). At the bottom of the dashboard are social media sharing icons for WhatsApp, Instagram, Google+, Facebook, and Snapchat, along with links for 'Help and Support', 'Terms and Conditions', and 'Privacy Policy'.

The dashboard page is the page a student will be directed to on successful login. The dashboard is the homepage for the user and our idea was that all the important details should be presented on this page so that the users would get the essential details from this page without going to each course separately. It has several key features:

- It displays personal details of each student which can be edited. All the details mentioned here are collected at the time of sign up.
- The current progress of their enrolled courses based on the number of sessions they have attended and the evaluations conducted. A certificate will be issued to the student once the course has been completed and its confirmation has been issued from the instructor
- Upcoming evaluations are sorted based on the closest date from the current day. This gives the student an easy schedule to prepare for a test and it makes it easier for them rather than accessing a course to see such important information.
- It displays what the recently viewed courses were for a student so that they would be able to access the course easily and resume progress. They are ordered based on the last access of the courses, sorted for all the courses in ascending order and displaying the first the courses from the list.

Q2. Courses offered are HTML,CSS,JAVASCRIPT, JAVA,AJAX,PYTHON.

All Courses

The screenshot shows the 'All Courses' page of a website called 'WebCoursera'. The page has a dark blue header with the site name and navigation links for 'About Us', 'Contact Us', and 'Courses'. It includes a search bar and user account links for 'Sign Up' and 'Login'. The main content area displays six course cards arranged in two rows of three. Each card has a large icon on the left, the course name in the center, and a brief description below it. At the bottom of each card are two buttons: 'Enroll' and 'View More'. A 'NEW' badge is placed in the top right corner of the first three cards. The courses listed are HTML 5, CSS, Javascript, Python, AJAX, and Java.

Course	Icon	Description	Instructor	Rating
HTML 5	HTML 5 logo	Level: Beginner Instructor: Mosh Rating: ★★★★★	Mosh	★★★★★
CSS	CSS logo	Level: Intermediate Instructor: Michael Rating: ★★★★★	Michael	★★★★★
Javascript	JS logo	Level: Beginner Instructor: Sarah Rating: ★★★★★	Sarah	★★★★★
Python	Python logo	Level: Beginner Instructor: Surya Rating: ★★★★★	Surya	★★★★★
AJAX	AJAX logo	Level: Hard Instructor: Christopher Rating: ★★★★★	Christopher	★★★★★
Java	Java logo	Level: Beginner Instructor: Abel Rating: ★★★★★	Abel	★★★★★

At the bottom of the page, there are links for 'Help and Support', 'Terms and Conditions', and 'Privacy Policy'. There are also social media sharing icons for WhatsApp, Instagram, Google+, Facebook, and Snapchat.

→ The All Courses Page can be accessed from the Courses tab in the navbar of the website. The page displays all the available courses on the platform in the form of a card. Basic details regarding the course like the Title, Difficulty Level, Instructor Name, Course Rating is given on the card. The card contains two buttons, Enroll and View More.

→ On clicking Enroll,

- If the user is logged in to his account, the course is added to his dashboard and can be accessed and monitored later from the dashboard.
- If the user is not logged in, then he's redirected to the login page.

→ On clicking View More,

- The user is redirected to the specific course page with all the details regarding the course viz, The course description, references, evaluations, and the recorded sessions of the course.
- The recorded sessions are only accessible to users who have enrolled for the particular course.

→ The different courses available on the platform are HTML 5, CSS, JavaScript, Python, AJAX, and Java.

→ When a new course is added by the team, a banner indicating the same is added on the course card.

→ The page also contains a navbar with a search bar and other tabs to different pages.

→ The page also contains a footer with links to help and support, privacy policy and terms and conditions.

Q3. Each course content page must contain all the references required for the course. The course page must also contain the links to the recorded sessions.

Course Content Page

The screenshot shows a course content page for an HTML course. At the top, there's a navigation bar with 'WebCoursera' and 'HTML' selected. Below the navigation is a sidebar with a large orange '5' icon representing HTML, and the text 'Instructor: Mosh'. To the right of the sidebar are three main sections: 'Course Details' (describing HTML as the standard markup language), 'References' (listing two books), and 'Upcoming Evaluations' (HTML Final Evaluation on 30th September, 2021). Further down, there's a 'Previous Results' section (HTML Mid Evaluation) and a table of 10 lectures with descriptions, dates, durations, and 'Watch Now' links. The table has columns for S.No., Lecture, Date, Description, Duration (mins), and Link. The first lecture is highlighted with an orange background.

S.No.	Lecture	Date	Description	Duration (mins)	Link
001	Introduction	02/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	54	Watch Now
002	Creating a basic template	05/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	95	Watch Now
003	Setting up the body	09/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	28	Watch Now
004	Attribute Selectors	13/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	43	Watch Now
005	Introduction to pseudo-classes	15/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	114	Watch Now
006	Negation pseudo-class	18/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	17	Watch Now
007	CSS3 Selectors	21/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	55	Watch Now
008	Laying Out the Website	25/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	64	Watch Now
009	Styling	29/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	22	Watch Now
010	Finishing the Layout	02/10/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	32	Watch Now

This page is the one the student visits when they want to resume a course video, see the schedule of upcoming assignments and evaluations or see their results in an assignment. The functionalities it provides are:

- The page tells the user about the enrolled course and the instructor who is taking the course.
- It gives a brief description on what the course is all about, what the expected outcomes are and what are the benefits of completing such a course.

- The next section of the page tells each student about how the evaluations are done for the course. They are color coded into red indicating an evaluation or test and green indicating an assignment. The results are also color coded and the latest result uploaded by the instructor will also be displayed.

- The next section of the page will give the recorded video sessions where the name, duration and a brief description of each session is also given. We provide 2 sets of filters using which the student can select the session which he wants to attend.
 - ◆ The first filter on the left hand side of the table is duration. We provide 3 filters (Short , Medium, Long) using which we have classified all the videos of a course.
 - Short indicates videos which are less than 30 minutes in duration.
 - Medium indicates videos that are less than 60 minutes in duration but more than 30 minutes.
 - Long indicates videos that are more than 60 minutes in duration.
 - ◆ The second filter on the right hand of the side is weeks. We provide 3 filters (Week 1 , Week 2, Week 3) using which we have classified all the videos of a course. All courses are expected to be completed within a period of 3 weeks. The instructors have ordered the videos based on topics needed to be completed within a week so the student could follow the schedule and complete evaluations.
 - Week 1 provides the introductory sessions on the topic.
 - Week 2 goes with more practical knowledge with various assignments to complete.
 - Week 3 is for slightly harder topics followed by the End examination by the instructor before giving the course completion certificate.

Q4. Categorizing the links to the recorded videos using filters. The filters used are filtering based on session duration and filtering based on weekly schedule.

Available Filters

- **Filtering Using Video Session Duration**

The screenshot shows a course management interface. At the top, there are three filter buttons: 'Short' (highlighted in green), 'Medium', and 'Long'. To the right are three circular buttons labeled 'Week 1', 'Week 2', and 'Week 3'. Below this is a table with the following data:

S.No. Lecture	Date	Description	Duration (mins)	Link
003 Setting up the body	09/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	28	Watch Now
006 Negation pseudo-class	18/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	17	Watch Now
009 Styling	29/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	22	Watch Now

At the bottom of the page, there is a dark blue footer bar with social media icons (Twitter, Instagram, Google+, Facebook, Snapchat) and links to 'Help and Support', 'Terms and Conditions', and 'Privacy Policy'.

- ◆ The first filter on the left hand side of the table is duration. We provide 3 filters (Short , Medium, Long) using which we have classified all the videos of a course.
 - Short indicates videos which are less than 30 minutes in duration.
 - Medium indicates videos that are less than 60 minutes in duration but more than 30 minutes.
 - Long indicates videos that are more than 60 minutes in duration.

- Filtering based on Weekly Video Schedule

The screenshot shows a course schedule page with a header featuring three filter buttons: 'Short', 'Medium', and 'Long'. Below the header is a table with columns: S.No., Lecture, Date, Description, Duration (mins), and Link. The table contains four rows of data. At the bottom of the page is a dark blue footer bar with social media icons and links to Help and Support, Terms and Conditions, and Privacy Policy.

S.No.	Lecture	Date	Description	Duration (mins)	Link
007	CSS3 Selectors	21/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	55	Watch Now
008	Laying Out the Website	25/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	64	Watch Now
009	Styling	29/09/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	22	Watch Now
010	Finishing the Layout	02/10/2021	This is a mock description for the lecture video, explaining in brief, what the video is about.	32	Watch Now

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◆ The second filter on the right hand of the side is weeks. We provide 3 filters (Week 1 , Week 2, Week 3) using which we have classified all the videos of a course. All courses are expected to be completed within a period of 3 weeks. The instructors have ordered the videos based on topics needed to be completed within a week so the student could follow the schedule and complete evaluations.

- Week 1 provides the introductory sessions on the topic.
- Week 2 goes with more practical knowledge with various assignments to complete.
- Week 3 is for slightly harder topics followed by the End examination by the instructor before giving the course completion certificate.

Page Footer

The screenshot shows a dark blue footer bar with social media icons and links to Help and Support, Terms and Conditions, Privacy Policy, About Us, and Contact Us. Below the footer is a white space containing text about the page footer.

[Help and Support](#) [Terms and Conditions](#) [Privacy Policy](#) [About Us](#) [Contact Us](#)

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The page footer consists of the socials and links to Help and Support, Terms and Conditions, Privacy Policy, About Us and Contact Us.

Q5. In the footer section of the WebCoursera, provide the information for Terms, Privacy policy, Help and support, About us and Contact us.

Contact Us

WebCoursera About Us Contact Us Courses Sign Up Login

CONTACT US

If You Have Any Queries, please feel free to reach us out!

CALL US
+91 12345 54321

FAX MACHINE
+1-212-9876543

OFFICE LOCATION
Imperial Tower, Kochi, Ernakulam,
Kerala, India

EMAIL
hr@webcoursera.com

Help and Support Terms and Conditions Privacy Policy

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This page is created so that the student can let us know their feedback, any issues they face or any queries on any aspect. We have provided a variety of means using which any student who wishes to contact us could do so. Some of the means of communication we have established are:

- To CALL the main office using +91 12345 54321.
- To send a FAX using +1-212-9876543.
- To send any documents, letters to our main office ADDRESS situated in Imperial Tower, Kochi, Ernakulam, Kerala, India.
- To EMAIL us using hr@webcoursera.com.

All communications from Webcourera will also be using these mediums which can help students in any situation that arises.

Terms and Conditions

WebCoursera

About Us Contact Us Courses

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Terms and Conditions

Last updated: September 09, 2021

Please read these terms and conditions carefully before using Our Service.

Interpretation and Definitions

Interpretation

The words of which the initial letter is capitalized have meanings defined under the following conditions. The following definitions shall have the same meaning regardless of whether they appear in singular or in plural.

Definitions

For the purposes of these Terms and Conditions:

- **Affiliate** means an entity that controls, is controlled by or is under common control with a party, where "control" means ownership of 50% or more of the shares, equity interest or other securities entitled to vote for election of directors or other managing authority.
- **Country** refers to: Kerala, India
- **Company** (referred to as either "the Company", "We", "Us" or "Our" in this Agreement) refers to WebCoursera LLC, NITC, CALICUT, KERALA, INDIA.
- **Device** means any device that can access the Service such as a computer, a cellphone or a digital tablet.
- **Service** refers to the Website.
- **Terms and Conditions** (also referred as "Terms") mean these Terms and Conditions that form the entire agreement between You and the Company regarding the use of the Service. This Terms and Conditions agreement has been created with the help of the [Terms and Conditions Generator](#).

Limitation of Liability

Notwithstanding any damages that You might incur, the entire liability of the Company and any of its suppliers under any provision of this Terms and Your exclusive remedy for all of the foregoing shall be limited to the amount actually paid by You through the Service or 100 USD if You haven't purchased anything through the Service.

To the maximum extent permitted by applicable law, in no event shall the Company or its suppliers be liable for any special, incidental, indirect, or consequential damages whatsoever (including, but not limited to, damages for loss of profits, loss of data or other information, for business interruption, for personal injury, loss of privacy arising out of or in any way related to the use of or inability to use the Service, third-party software and/or third-party hardware used with the Service, or otherwise in connection with any provision of this Terms), even if the Company or any supplier has been advised of the possibility of such damages and even if the remedy fails of its essential purpose.

Some states do not allow the exclusion of implied warranties or limitation of liability for incidental or consequential damages, which means that some of the above limitations may not apply. In these states, each party's liability will be limited to the greatest extent permitted by law.

"AS IS" and "AS AVAILABLE" Disclaimer

The Service is provided to You "AS IS" and "AS AVAILABLE" and with all faults and defects without warranty of any kind. To the maximum extent permitted under applicable law, the Company, on its own behalf and on behalf of its Affiliates and its and their respective licensors and service providers, expressly disclaims all warranties, whether express, implied, statutory or otherwise, with respect to the Service, including all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and warranties that may arise out of course of dealing, course of performance, usage or trade practice. Without limitation to the foregoing, the Company provides no warranty or undertaking, and makes no representation of any kind that the Service will meet Your requirements, achieve any intended results, be compatible or work with any other software, applications, systems or services, operate without interruption, meet any performance or reliability standards or be error free or that any errors or defects can or will be corrected.

Without limiting the foregoing, neither the Company nor any of the company's provider makes any representation or warranty of any kind, express or implied: (i) as to the operation or availability of the Service, or the information, content, and materials or products included thereon; (ii) that the Service will be uninterrupted or error-free; (iii) as to the accuracy, reliability, or currency of any information or content provided through the Service; or (iv) that the Service, its servers, the content, or e-mails sent from or on behalf of the Company are free of viruses, scripts, trojan horses, worms, malware, timebombs or other harmful components.

The Terms and Conditions Page consists of all our Terms and Conditions. We have used an online Terms and Conditions generator for creating our T&C. The page has different sections viz, Interpretations and Definitions, Acknowledgment, Links to Other Websites, Termination, Limitation of Liability, Disclaimer, Governing Law, Disputes Resolution, EU Users, Legal Compliance, Severability and Waiver, Translation Interpretation, Changes to T&C, and Contact US. The page has a navbar and footer with links to different pages viz, About Us, Contact Us, All Courses, Signup Page, Help and Support, Terms and Conditions, and Privacy Policy.

Privacy Policy

WebCoursera About Us Contact Us Courses

 Sign Up  Login

Privacy Policy

Last updated: September 09, 2021

This Privacy Policy describes Our policies and procedures on the collection, use and disclosure of Your information when You use the Service and tells You about Your privacy rights and how the law protects You.

We use Your Personal data to provide and improve the Service. By using the Service, You agree to the collection and use of information in accordance with this Privacy Policy.

Interpretation and Definitions

Interpretation

The words of which the initial letter is capitalized have meanings defined under the following conditions. The following definitions shall have the same meaning regardless of whether they appear in singular or in plural.

Definitions

For the purposes of this Privacy Policy:

- **Account** means a unique account created for You to access our Service or parts of our Service.
- **Company** (referred to as either "the Company", "We", "Us" or "Our" in this Agreement) refers to WebCoursera.
- **Cookies** are small files that are placed on Your computer, mobile device or any other device by a website, containing the details of Your browsing history on that website among its many uses.
- **Country** refers to: Kerala, India
- **Device** means any device that can access the Service such as a computer, a cellphone or a digital tablet.

Links to Other Websites

Our Service may contain links to other websites that are not operated by Us. If You click on a third party link, You will be directed to that third party's site. We strongly advise You to review the Privacy Policy of every site You visit.

We have no control over and assume no responsibility for the content, privacy policies or practices of any third party sites or services.

Changes to this Privacy Policy

We may update Our Privacy Policy from time to time. We will notify You of any changes by posting the new Privacy Policy on this page.

We will let You know via email and/or a prominent notice on Our Service, prior to the change becoming effective and update the "Last updated" date at the top of this Privacy Policy.

You are advised to review this Privacy Policy periodically for any changes. Changes to this Privacy Policy are effective when they are posted on this page.

Contact Us

If you have any questions about this Privacy Policy, You can contact us:

- **By email:** hr@webcoursera.org



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The Privacy Policy **discloses all the way our website gathers, collects, uses, discloses, and/or manages a user's or client's data**. We have built a separate webpage for our privacy policy which is accessible from the footer of every web page via a hyperlink labeled 'Privacy Policy'. The Privacy Policy webpage states in detail the various types of user data that would possibly be gathered and how the website was going to use the data. It provides **detailed descriptions about tracking technologies like cookies, web beacons**, etc. and also categorizes this data based on their necessity. Other information provided in the policy includes **disclosure of personal**

data, business transactions, data security, legal requirements and links to other websites to name a few. We have also provided an HR email address for any further inquiries from the user's end.

Help and Support

WebCoursera About Us Contact Us Courses [Sign Up](#) [Login](#)

Send Us a Message

Your Name *

Your Email *

Your Phone Number *

Send Message

Help and Support Terms and Conditions Privacy Policy

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Our Help and Support page aims to **help our users find the information and resources they need about the website quickly and intuitively**. For help and support, we have designed a separate webpage, which is directly accessible from the footer of every web page via a hyperlink labeled 'Help and Support'. We have provided the user with a form to enquire about any further information or **ask requests by entering their details and a message** that we can address via email.

About Us

WebCoursera [About Us](#) [Contact Us](#) [Courses](#) [Sign Up](#) [Login](#)

ABOUT US



VISHNU SAJITH
B180474CS
B. TECH CSE
NIT Calicut

MATHEW JOSE
B180586CS
B. TECH CSE
NIT Calicut

SIDHARTH MENON
B180561CS
B. TECH CSE
NIT Calicut

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The About Us page has the Photo, Name, Roll Number, Course and College of all the group members of Group 7.