Lab Task (develop Iqra University home page using NextJS Do styling using Tailwind CSS the website should be responsive)

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Subject: Web Programming Languages (LAB)

Submission of: Lab Task (Home page using NextJS with styling using

Tailwind CSS the website should be responsive)

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page.tsx Code:

```
import CampusSection from '../components/CampusSection';
import ProgramSection from '../components/ProgramSection';
import InteractiveCard from '../components/InteractiveCard';
import FacultySection from '../components/FacultySection';
import FacultyCard from '../components/FacultyCard';
import DepartmentSection from '../components/DepartmentSection';
import Footer from '../components/Footer';
const Page = () => {
  return (
     {/* Other components, if any */}
      <CampusSection />
      {/* Other components, if any */}
      <ProgramSection />
      <InteractiveCard />
      <FacultySection/>
      <FacultyCard/>
      <DepartmentSection/>
      <Footer/>
  );
export default Page;
```

layout.tsx Code:

```
// app/layout.tsx
import '../app/globals.css';
import Header from '../components/Header';
import { ReactNode } from 'react';
import { useState, useEffect } from 'react';
interface LayoutProps {
  children: ReactNode;
export default function RootLayout({ children }: LayoutProps) {
  return (
    <html lang="en">
        <title>Iqra University</title>
        <meta name="description" content="Iqra University Homepage" />
        <link rel="icon" href="/favicon.ico" />
      </head>
     <body>
        <Header />
        <main>{children}</main>
      </body>
    </html>
  );
```

(components/Header.tsx) Code:

```
<div className="container mx-auto flex justify-between items-center p-4 z-</pre>
10 relative">
        <div className="flex items-center z-20">
          <Image src="/images/Logo.png" alt="Iqra University Logo" width={90}</pre>
height={90} />
          <span className="font-bold ml-2">IQRA UNIVERSITY</span>
        </div>
        <Link href="/get-started">
          <span className="bg-yellow-500 hover:bg-yellow-600 text-white font-bold</pre>
py-2 px-4 rounded cursor-pointer z-20">
            GET STARTED
          </span>
        </Link>
      </div>
      <div className="bg-yellow-500 text-blue-900 z-10 relative">
        <div className="container mx-auto p-4 flex justify-between items-center</pre>
z-20">
          <h1 className="text-2xl font-bold">GULSHAN CAMPUS</h1>
          <Link href="/apply-now">
            <span className="bg-blue-900 hover:bg-blue-800 text-white font-bold</pre>
py-2 px-4 rounded cursor-pointer">
              APPLY NOW
            </span>
          </Link>
        </div>
      </div>
      <nav className="bg-blue-800 z-10 relative">
        <div className="container mx-auto p-4 z-20">
          <Link href="/">
            <span className="text-white hover:text-yellow-500 cursor-</pre>
pointer">Home</span>
          </Link>
          <span className="text-white mx-2">|</span>
          <Link href="/campuses">
            <span className="text-white hover:text-yellow-500 cursor-pointer">IU
Campuses</span>
          </Link>
          <span className="text-white mx-2">|</span>
          <Link href="/gulshan-campus">
            <span className="text-white hover:text-yellow-500 cursor-</pre>
pointer">Gulshan Campus
          </Link>
        </div>
      </nav>
    </header>
```

```
);
};
export default Header;
```

In the components folder (components/CampusSection.tsx) Code:

```
import Image from 'next/image';
import Link from 'next/link';
const CampusSection = () => {
 return (
    <section className="flex flex-col md:flex-row items-center justify-between</pre>
bg-white text-gray-800 py-8">
     <div className="md:w-1/2 p-4">
        <h2 className="text-5x1 font-bold mb-2">Gulshan CAMPUS</h2>
        <div className="bg-yellow-500 h-1 w-20 mb-4"></div>
        Nestled in one of Karachi's most densely populated areas, the Gulshan
Campus caters to the educational needs of a large number of students. This campus
provides a wide range of programs, including undergraduate and postgraduate
courses, in a convenient location, allowing students easy access to their
education.
        <Link href="/admission-office" className="bg-blue-500 hover:bg-blue-700</pre>
text-white font-bold py-2 px-4 rounded cursor-pointer">
          ADMISSION OFFICE
        </Link>
      </div>
      <div className="md:w-1/2 p-4 flex flex-col items-center">
        <div className="shape-with-image mb-4">
          {/* Replace with actual image */}
          <Image src="/images/course.png" alt="Campus Image" width={300}</pre>
height={300} />
        </div>
        <h3 className="text-3xl text-black font-bold mb-4">FIND A COURSE FOR
Y0U</h3>
        <div className="w-full flex justify-center">
          <button className="bg-yellow-500 hover:bg-yellow-600 text-white font-</pre>
bold py-2 px-4 rounded mt-4">
            SEARCH
          </button>
        </div>
```

(components/DepartmentSection.tsx) Code:

```
// components/DepartmentSection.tsx
"use client";
import React, { useState } from 'react';
type Department = {
 id: number;
 name: string;
 backgroundImage: string;
};
const departments: Department[] = [
 { id: 1, name: 'Department of English', backgroundImage: '/images/english.png'
},
  { id: 2, name: 'Department of Social Sciences', backgroundImage:
'/images/2.png' },
 { id: 3, name: 'Department of Education', backgroundImage: '/images/3.png' },
 { id: 4, name: 'Department of Media Studies', backgroundImage:
'/images/media.png' },
];
// Add your styles here
const styles = {
  departmentSection: {
    backgroundColor: '#f1e7d0',
    padding: '20px',
    borderRadius: '8px',
    boxShadow: '0 4px 8px rgba(0,0,0,0.1)',
    margin: '0', // Remove any margin
    width: '100%', // Ensure it covers full width
    position: 'relative',
    '@media (max-width: 768px)': {
      padding: '10px',
    },
  },
 heading: {
```

```
fontSize: '32px',
  color: '#00008b',
  textAlign: 'center',
  marginBottom: '20px',
},
yellowBar: {
 height: '10px',
  backgroundColor: '#ffd700',
  marginBottom: '20px',
},
cardContainer: {
  display: 'flex',
  justifyContent: 'space-around',
  flexWrap: 'wrap',
  gap: '20px',
  '@media (max-width: 768px)': {
   flexDirection: 'column',
    alignItems: 'center',
  },
},
card: (backgroundImage: string) => ({
  backgroundSize: 'cover',
  textAlign: 'center',
  padding: '20px',
  width: 'calc(33% - 20px)',
  height: '300px', // Adjust the height as needed
  backgroundImage: `url(${backgroundImage})`,
  borderRadius: '8px',
  display: 'flex',
  flexDirection: 'column',
  justifyContent: 'flex-end', // Align button to the bottom
  boxShadow: '0 4px 8px rgba(0,0,0,0.1)',
  '@media (max-width: 768px)': {
   width: '100%',
    marginBottom: '20px',
  },
}),
cardTitleStyle: {
  fontWeight: 'bold',
  color: '#fff',
  textShadow: '2px 2px #000',
  fontSize: '24px',
 marginBottom: '16px',
learnMoreButtonStyle: {
```

```
backgroundColor: '#00008b',
  color: '#fff',
  fontWeight: 'bold',
  border: 'none',
  padding: '10px 20px',
  cursor: 'pointer',
  borderRadius: '4px',
},
arrowStyle: {
 cursor: 'pointer',
  position: 'absolute',
  top: '50%',
  transform: 'translateY(-50%)',
  backgroundColor: '#00008b',
  color: '#ffffff',
  border: 'none',
  padding: '10px',
  borderRadius: '50%',
},
arrowPrevStyle: {
 left: '20px',
  '@media (max-width: 768px)': {
    left: '10px',
 },
},
arrowNextStyle: {
 right: '20px',
  '@media (max-width: 768px)': {
    right: '10px',
 },
},
paginationContainer: {
 textAlign: 'center',
 marginTop: '20px',
},
paginationButton: {
 margin: '0 5px',
 width: '20px',
 height: '20px',
 borderRadius: '50%',
 border: 'none',
 display: 'inline-block',
```

```
const DepartmentSection = () => {
  const [currentPage, setCurrentPage] = useState(1);
  const itemsPerPage = window.innerWidth <= 768 ? 1 : 3; // Adjust items per page</pre>
based on screen width
  const pages = Math.ceil(departments.length / itemsPerPage);
  const startIndex = (currentPage - 1) * itemsPerPage;
  const endIndex = startIndex + itemsPerPage;
  const currentItems = departments.slice(startIndex, endIndex);
  const goToPrevPage = () => {
    setCurrentPage((prev) => (prev === 1 ? pages : prev - 1));
  };
  const goToNextPage = () => {
    setCurrentPage((prev) => (prev === pages ? 1 : prev + 1));
  };
  return (
    <section style={styles.departmentSection}>
      <h2 style={styles.heading}>Our Departments</h2>
      <div style={styles.yellowBar}></div>
      <div style={styles.cardContainer}>
        {currentItems.map((dept) => (
          <div key={dept.id} style={styles.card(dept.backgroundImage)}>
            <h3 style={styles.cardTitleStyle}>{dept.name}</h3>
            <button style={styles.learnMoreButtonStyle}>LEARN MORE</button>
          </div>
        ))}
      </div>
      <button onClick={goToPrevPage} style={{ ...styles.arrowStyle,</pre>
...styles.arrowPrevStyle }}>
      </button>
      <button onClick={goToNextPage} style={{ ...styles.arrowStyle,</pre>
...styles.arrowNextStyle }}>
      </button>
      <div style={styles.paginationContainer}>
        {[...Array(pages)].map((_, index) => (
          <button
            kev={index}
            onClick={() => setCurrentPage(index + 1)}
            style={{
              ...styles.paginationButton,
              backgroundColor: currentPage === index + 1 ? '#00008b' : '#ddd',
```

```
}}

/>

/>

//

//div>

//section>
);

};

export default DepartmentSection;
```

(components/FacultyCard.tsx) Code:

```
// FacultyCard.tsx
import React from 'react';
const FacultyCard = ({ name, imageSrc, profileLink, isVisible }) => {
  const cardStyle = {
   display: isVisible ? 'block' : 'none',
    width: '260px', // Larger width
    height: '340px', // Larger height
   margin: '0.5rem',
    padding: '1rem',
    boxShadow: '0 4px 8px rgba(0,0,0,0.2)',
   borderRadius: '10px',
   textAlign: 'center',
    backgroundColor: '#fff',
    transition: 'transform 0.3s ease-in-out', // Smooth transform effect
  };
  const imgStyle = {
   width: '100%',
   height: 'auto',
    borderRadius: '5px',
  };
  const nameStyle = {
   margin: '0.5rem 0',
   fontWeight: 'bold', // Bold font weight
 };
  const profileLinkStyle = {
   display: 'inline-block', // To apply padding and make it look like a button
    backgroundColor: 'darkblue', // Dark blue background
    color: '#fff', // White text color
```

(components/FacultySection.tsx) Code:

```
// FacultySection.tsx
"use client";
import React, { useState } from 'react';
import FacultyCard from './FacultyCard';
const facultyData = [
{ name: 'Prof . Dr.Anjum Bano Kazimi', imageSrc: '/images/anjum.png',
profileLink: '/profile-link' },
 { name: 'Prof . Dr.Imtiaz Arif', imageSrc: '/images/imtiaz.png', profileLink:
'/profile-link' },
 { name: 'Dr.Saad Ahmed', imageSrc: '/images/saad.png', profileLink: '/profile-
link' },
 { name: 'Prof . Dr.Wagar Ahmed', imageSrc: '/images/wagar.png', profileLink:
'/profile-link' },
 { name: 'Prof . Dr.Tanveer Anjum', imageSrc: '/images/tanveer.png',
profileLink: '/profile-link' },
];
const FacultySection = () => {
  const [currentCard, setCurrentCard] = useState(0);
 const handlePrevClick = () => {
    setCurrentCard((prev) => (prev === 0 ? facultyData.length - 1 : prev - 1));
 };
```

```
const handleNextClick = () => {
  setCurrentCard((prev) => (prev === facultyData.length - 1 ? 0 : prev + 1));
};
const sectionStyle = {
 backgroundColor: 'lightpink',
 padding: '2rem',
 display: 'flex',
 flexDirection: 'column',
 alignItems: 'center',
};
const headingStyle = {
 color: 'darkblue',
 textAlign: 'center',
 fontSize: '2rem',
 marginTop: '1rem',
 fontWeight: 'bold', // Bold font weight
};
const cardsContainerStyle = {
 display: 'flex',
 flexWrap: 'nowrap', // Wrap items for responsiveness
 justifyContent: 'center', // Center items in the container
  alignItems: 'center',
 margin: '1rem auto', // Center container horizontally
 maxWidth: '1200px',
 overflowX: 'hidden', // Max width to fit 4 cards in a row
};
const arrowButtonStyle = {
  backgroundColor: '#ffff', // White background for arrows
 border: `2px solid darkblue`, // Stylish border for arrows
 borderRadius: '50%', // Circular shape for arrows
 padding: '.5rem', // Padding for larger clickable area
 cursor: 'pointer',
 margin: '.5rem', // Margin for spacing around arrows
 fontSize: '1.5rem', // Larger font size for arrows
};
const paginationCircleStyle = {
display: 'inline-block',
width: '20px',
height: '20px',
margin: '5px',
```

```
backgroundColor:'lightpink',
   borderRadius: '50%',
   transition: 'background-color .3s'
};
const paginationCircleHoverActiveStyle = {
   backgroundColor:'yellow'
};
const viewAllButtonStyle = {
   backgroundColor:'darkblue',
   color:'#fff',
  border: 'none',
   borderRadius: '5px',
   padding:'0.75rem 1.5rem',
   cursor: 'pointer',
   fontWeight: 'bold'
};
return (
<section style={sectionStyle}>
<h2 style={headingStyle}>Our Faculty</h2>
<div style={cardsContainerStyle}>
<button onClick={handlePrevClick} style={arrowButtonStyle}>{"<"}</pre>/button>
{facultyData.map((faculty, index) => (
  <FacultyCard key={index} {...faculty} isVisible={index === currentCard} />
))}
<button onClick={handleNextClick} style={arrowButtonStyle}>{">"}</button>
</div>
{/* Pagination circles */}
<div>
        {Array.from({ length: Math.ceil(facultyData.length / 4) }, (_, i) => (
          // Create a circle for each set of cards
            key={i}
            style={{
              ...paginationCircleStyle,
              backgroundColor: currentCard >= i * 4 && currentCard < (i + 1) * 4</pre>
? 'yellow' : 'lightpink'
              // Set the background color based on the current set of cards
            onMouseOver={(e) => e.currentTarget.style.backgroundColor = 'yellow'}
            onMouseOut={(e) => e.currentTarget.style.backgroundColor =
(currentCard >= i * 4 && currentCard < (i + 1) * 4) ? 'yellow' : 'lightpink'}</pre>
```

(components/InteractiveCard.js) Code:

```
// InteractiveCard.js
"use client"
import React from 'react';
const InteractiveCard = ({ backgroundImage, title, buttonText, isVisible }) => {
 const cardStyle = {
   width: '300px',
   height: '200px',
   backgroundSize: 'cover',
   backgroundPosition: 'center',
   backgroundImage: `url(${backgroundImage})`,
   margin: '0 10px',
   display: 'flex',
   flexDirection: 'column',
    justifyContent: 'flex-end', // Align content to bottom
   padding: '20px', // Padding inside card
  };
  const titleStyle = {
   color: '#FFFFFF', // Title text color
   fontWeight: 'bold',
  };
  const learnMoreButtonStyle = {
   border: '1px solid #00B4D8', // Blue border color
   backgroundColor: 'transparent',
    color: 'white', // Blue text color
    padding: '10px 20px',
   marginTop: '10px',
    cursor: 'pointer',
    fontWeight: 'bold',
```

```
};
  const buttonStyle = {
    ...learnMoreButtonStyle, // Reuse styles from ProgramsSection
    alignSelf:'center' // Center button in card
  };
  const handleClick = () => {
   alert(`You clicked on ${title}`);
 };
  return (
    <div style={{ ...cardStyle, display: isVisible ? 'flex' : 'none' }}</pre>
onClick={handleClick}>
      <h3 style={titleStyle}>{title}</h3>
      <button style={buttonStyle}>{buttonText}</button>
    </div>
  );
};
export default InteractiveCard;
```

(components/ProgramSection.tsx) Code:

```
// ProgramsSection.tsx
"use client"
import React, { useState } from 'react';
import InteractiveCard from './InteractiveCard';

const ProgramsSection = () => {
    // Add state and functions to handle carousel logic here
    const [currentCard, setCurrentCard] = useState(0);

const handlePrevClick = () => {
    setCurrentCard((prev) => (prev === 0 ? 2 : prev - 1)); // Assuming there are
3 cards
    };

const handleNextClick = () => {
    setCurrentCard((prev) => (prev === 2 ? 0 : prev + 1)); // Assuming there are
3 cards
    };

cards
};
```

```
const sectionStyle = {
 marginTop: '50px',
 textAlign: 'center',
 backgroundColor: '#0D1F2D', // Dark blue background for the section
 color: 'white', // Text color for the section
 padding: '20px 0', // Padding for top and bottom
};
const headingStyle = {
 color: 'white', // Text color for heading
 marginBottom: '30px', // Space below heading
 fontWeight: 'bold',
 fontSize: '25px',
};
const cardContainerStyle = {
 display: 'flex',
 justifyContent: 'center', // Center cards horizontally
 gap: '20px', // Space between cards
};
const learnMoreButtonStyle = {
 border: '1px solid #00B4D8', // Blue border color
 backgroundColor: 'transparent',
 color: '#00B4D8', // Blue text color
 padding: '10px 20px',
 marginTop: '10px',
 cursor: 'pointer',
};
const navigationArrowStyle = {
 cursor: 'pointer',
 color: '#00B4D8', // Blue arrow color
 margin: '0 10px', // Space around arrows
};
const navigationDotStyle = {
 display: 'inline-block',
 height: '10px',
 width: '10px',
 borderRadius: '50%',
 backgroundColor: '#00B4D8', // Active dot with blue background
 margin: '0 5px',
  cursor: 'pointer',
```

```
return (
    <section style={sectionStyle}>
      <h2 style={headingStyle}>Our Programs</h2>
      <div style={cardContainerStyle}>
        {/* Use the InteractiveCard for each program */}
        <InteractiveCard</pre>
          backgroundImage='/images/card.png' // Update with actual path to image
          title='Associate Degree in Computer Networks'
          buttonText='LEARN MORE'
          isVisible={currentCard === 0}
        <InteractiveCard</pre>
          backgroundImage='/images/card.png' // Update with actual path to image
          title='Associate Degree in Computer Science'
          buttonText='LEARN MORE'
          isVisible={currentCard === 0}
        <InteractiveCard</pre>
          backgroundImage='/images/card.png' // Update with actual path to image
          title='Associate Degree in Cyber Security'
          buttonText='LEARN MORE'
          isVisible={currentCard === 0}
      </div>
      <div>
        {/* Navigation arrows */}
         <span style={navigationArrowStyle}</pre>
onClick={handlePrevClick}>{"<"}</span>
        {/* Navigation dots */}
        <span style={navigationDotStyle}></span>
        {/* Change color on click */}
        <span style={{ ...navigationDotStyle, backgroundColor: '#00B4D8'</pre>
}}></span>
         <span style={navigationArrowStyle}</pre>
onClick={handleNextClick}>{">"}</span>
      </div>
      {/* The LEARN MORE button is now part of each InteractiveCard */}
  );
};
export default ProgramsSection;
```

(components/Footer.tsx) Code:

```
import React from 'react';
import { FaPhone, FaLocationArrow, FaEnvelope, FaFacebookF, FaTwitter, FaYoutube,
FaInstagram, FaLinkedinIn } from 'react-icons/fa';
const Footer = () => {
  return (
    <footer style={{
      background: 'darkblue',
      color: 'white',
      display: 'flex',
      flexDirection: 'column',
      alignItems: 'center',
      padding: '20px'
    }}>
      <div style={{ width: '100%', display: 'flex', justifyContent: 'space-</pre>
between', flexWrap: 'wrap' }}>
        {/* Left Section */}
        <div style={{ flexBasis: '30%', minWidth: '300px', margin: '10px' }}>
          <h2 style={{ fontSize: '1.5em', fontWeight: 'bold' }}>IU</h2>
          <div style={{ display: 'flex', flexDirection: 'column' }}>
            <div style={{ display: 'flex', alignItems: 'center', margin: '5px 0'</pre>
}}>
              <FaPhone color='white' />
              <span style={{ marginLeft: '10px' }}>Tel : (021) 111 264 264</span>
            </div>
            <div style={{ display: 'flex', alignItems: 'center', margin: '5px 0'</pre>
}}>
              <FaLocationArrow color='white' />
              <span style={{ marginLeft: '10px' }}>Iqra University Main Campus,
Defence View</span>
            </div>
            <div style={{ display: 'flex', alignItems: 'center', margin: '5px 0'</pre>
}}>
              <FaEnvelope color='white' />
              <span style={{ marginLeft: '10px' }}>info@iqra.edu.pk</span>
            </div>
          </div>
        </div>
        {/* Center Section */}
        <div style={{ flexBasis: '30%', minWidth: '300px', margin: '10px',</pre>
textAlign: 'center' }}>
         <h2 style={{ fontSize: '1.5em', fontWeight: 'bold' }}>Links</h2>
```

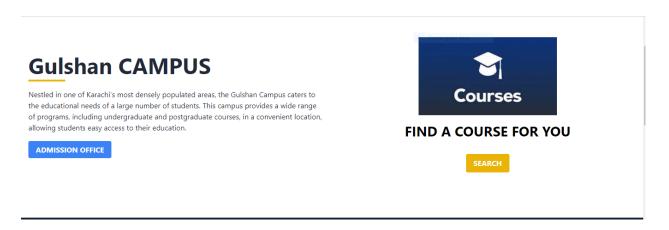
```
{['Apply for Degree/Transcripts', 'Degree Verification',
             'Transcript Verification',
             'Academic Calendar',
             'Policies',
             'Quality Enhancement Cell',
             'Contact Us'].map((link) => (
               {link}
           ))}
         </div>
       {/* Right Section */}
       <div style={{ flexBasis: '30%', minWidth: '300px', margin: '10px',</pre>
textAlign: 'right' }}>
         <h2 style={{ fontSize: '1.2em', fontWeight:'bold'}}>Stay up to date
with the latest courses</h2>
         <div style={{ display: 'flex', alignItems: 'center', margin: '10px 0'</pre>
}}>
           <input</pre>
             type="text"
             placeholder="Email Address"
             style={{ padding: '10px', flex: '1', borderRadius: '4px 0 0 4px',
border: '1px solid #ccc', color: 'darkgray' }}
           <button
             style={{
               background: 'black',
               color: 'white',
               fontWeight: 'bold',
               border: 'none',
               padding: '10px 20px',
               cursor: 'pointer',
               borderRadius: '0 4px 4px 0'
             }}
             Send
           </button>
         </div>
         {/* Social Icons Section */}
         <div style={{ display: 'flex', justifyContent: 'center', marginTop:</pre>
'10px' }}>
           {[FaFacebookF, FaTwitter, FaYoutube, FaInstagram,
FaLinkedinIn].map((IconComponent, index) => (
```

Output:

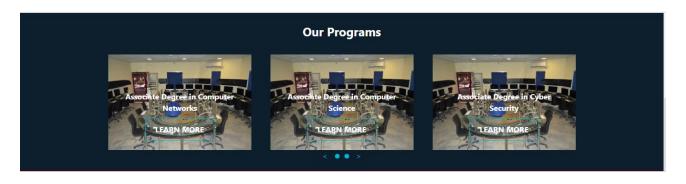
Header



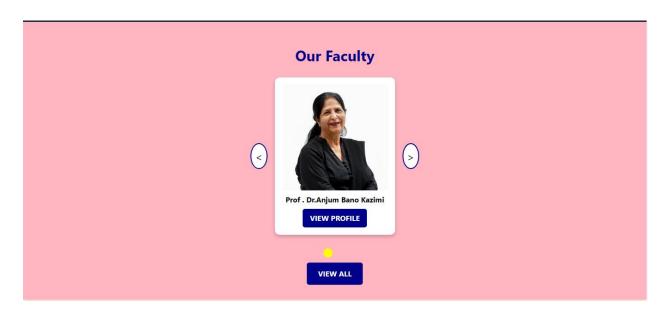
Campus Info



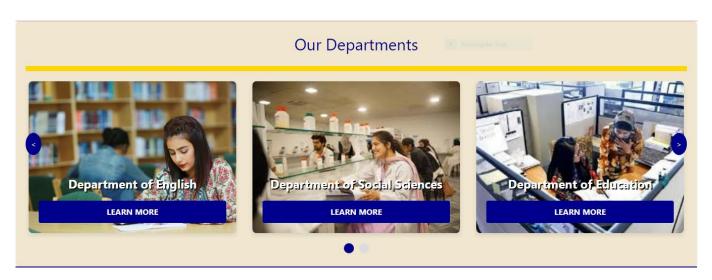
Our Programs



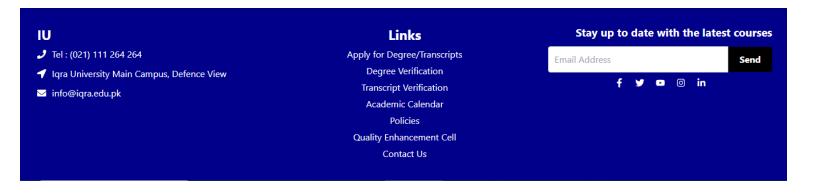
Our Faculty



Our Departments

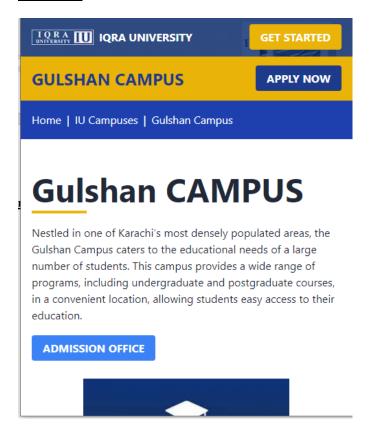


Footer

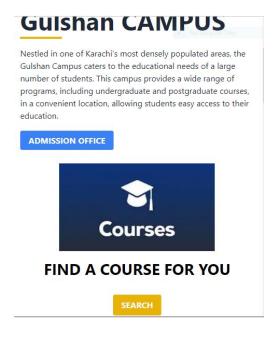


Fully Responsive (Checking) All Pages (Mobile Responsive)

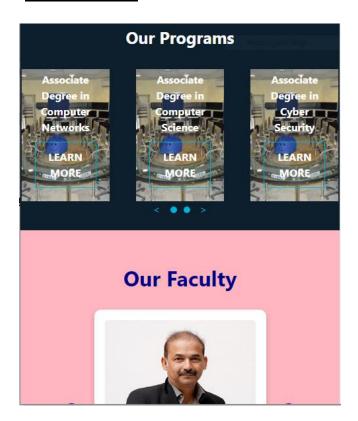
1-Header



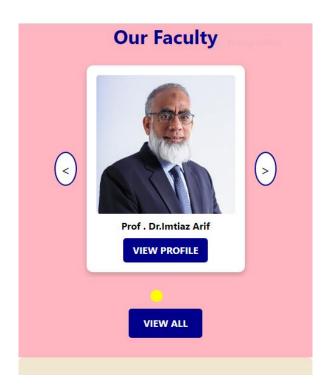
2-Campus Information



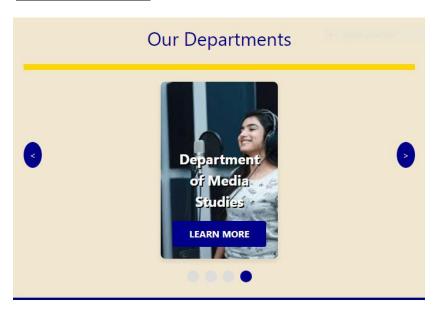
3-Our Programs



4-Our Faculty



5-Our Departments



6-Footer or Contact Us

