



PROJECT REPORT ON
AUTOMATION TESTING USING SELENIUM WEBDRIVER ON “INDIA.GOV.IN” WEBSITE.
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UNDER THE GUIDANCE OF
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INTRODUCTION

1.1. THEORY BEHIND THE PROJECT:

- Software testing, an integral part of the development process for software applications that meet the highest standards of quality, can be a complex process, to say the least. With the increasing number of functionalities that applications today are bestowed with, not to mention the large number of platforms and browsers to account for, there is an ever-increasing possibility of bugs and issues going unnoticed. However, the highly competitive market scenario does not allow software developers the luxury of allowing products with even minor bugs to reach the market, as a product with issues will be outright rejected.
- In such a scenario, software developers have embraced automation testing to increase the efficiency of the testing process and to maximize test coverage. The best thing about automation is that it not just improves the quality of testing and makes it several times faster, but also reduces the cost involved.

1.2. AIM OF THE PROJECT:

- This project aims to do the overall Functional Testing on the website. It helps to improve the quality of the website and saves time from manually testing the website.

1.3. SOFTWARE REQUIREMENTS:

- Operating System : Windows 10
- Browser : Google Chrome (90.0.4430.212)
- Building Platform : Eclipse IDE
- Front-end : Language- Java
 Tool- Selenium WebDriver

TEST SCRIPTS

TC_01: To launch the browser and open india.gov.in website.

```
System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Akshay\\\\Desktop\\\\Selenium\nJar\\\\chromedriver_win32\\\\chromedriver.exe");\nWebDriver w=new ChromeDriver();\nw.manage().window().maximize();\n\nw.get("https://www.india.gov.in/content-available-on-ngsp");
```

TC_02: To check the functionality of Topics tab.

```
Actions a1=new Actions(w);\n    a1.moveToElement(w.findElement(By.xpath("//span[contains(text(),'Topics')]"))).perform();
```

TC_03: To check the functionality of Environment and forest button.

```
Actions a1=new Actions(w);\n    a1.moveToElement(w.findElement(By.xpath("//span[contains(text(),'Topics')]"))).perform();\n\n    w.findElement(By.xpath("//header/section[2]/div[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/nav[1]/ul[1]/li[1]/ul[1]/li[7]/a[1]")).click();\n    System.out.println("Environment & Forest page is displayed");
```

TC_04: To check the functionality of Schemes button.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();
```

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();\n    w.findElement(By.xpath("//a[contains(text(),'Centrally Sponsored Schemes by UP Forest')]")).click();\n    System.out.println("Centrally Sponsored Schemes by UP Forest page is displayed");\n    Thread.sleep(1000);\n    JavascriptExecutor js=(JavascriptExecutor)w;\n    js.executeScript("window.scrollTo(0, document.body.scrollHeight)");\n    Thread.sleep(1000);\n    js.executeScript("window.scrollTo(document.body.scrollHeight, 0)");\n    //Thread.sleep(1000);\n    w.navigate().back();
```

TC_06: To check the functionality of Schemes button-2nd link.

```

w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();
w.findElement(By.xpath("//a[contains(text(),'District Sector Scheme by UP Forest')]")).click();
System.out.println("District Sector Scheme by UP Forest page is displayed");
Thread.sleep(1000);
JavascriptExecutor js1=(JavascriptExecutor)w;
js1.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js1.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
//Thread.sleep(1000);
w.navigate().back();

```

TC_07: To check the functionality of Schemes button-3rd link.

```

w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();
w.findElement(By.xpath("//a[contains(text(),'State Sector Scheme by UP Forest')]")).click();
System.out.println("State Sector Scheme by UP Forest page is displayed");
Thread.sleep(1000);
JavascriptExecutor js2=(JavascriptExecutor)w;
js2.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js2.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();

```

TC_08: To check the functionality of Schemes button-4th link.

```

w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();
w.findElement(By.xpath("//a[contains(text(),'Information Education and Communication Scheme')]")).click();
System.out.println("Information Education and Communication Scheme page is displayed");
Thread.sleep(1000);
JavascriptExecutor js3=(JavascriptExecutor)w;
js3.executeScript("window.scrollTo(0, 1000)");
Thread.sleep(1000);
js3.executeScript("window.scrollTo(0, -1000)");
Thread.sleep(1000);
w.navigate().back();

```

TC_09: To check the functionality of Schemes button-5th link.

```

w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();
w.findElement(By.xpath("//a[contains(text(),'Desert Development Programme by Department of Land')]")).click();
System.out.println("Desert Development Programme by Department of Land Resources page is displayed");
w.navigate().back();

```

TC_10: To check the functionality of Open Data button.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-4']")).click();
```

TC_11: To check the functionality of Open Data-1st link.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-4']")).click();
w.findElement(By.xpath("//a[contains(text(),'Natural Landscape:Thane')]")).click();
System.out.println("Natural Landscape:Thane :");
```

```
Set <String> win=w.getWindowHandles();
Iterator <String> it=win.iterator();
String pw=it.next();
String cw=it.next();
```

```
w.switchTo().window(cw);
Thread.sleep(8000);
```

TC_12: To check the functionality of Home button.

```
//NATURAL LANDSCAPE-HOME
w.findElement(By.xpath("//header/div[2]/div[1]/div[1]/div[4]/div[1]/ul[1]/li[1]/a[1]")).click();
System.out.println("Open Data Platform:India Smart Cities");
w.navigate().back();
```

TC_13: To check the functionality of Data_Catalogs button.

```
//NATURAL LANDSCAPE-DATA-CATALOGS
Actions a2=new Actions(w);
a2.moveToElement(w.findElement(By.xpath("//header/div[2]/div[1]/div[1]/div[4]/div[1]/ul[1]/li[2]/a[1]"))).perform();
w.findElement(By.xpath("//header/div[2]/div[1]/div[1]/div[4]/div[1]/ul[1]/li[2]/ul[1]/li[1]/a[1]")).click();
System.out.println("Catalogs page is displayed");
w.navigate().back();
```

TC_14: To check the functionality of Data_SearchbyCities button.

```
//NATURAL LANDSCAPE-DATA-SEARCH bY CITIES
Actions a3=new Actions(w);
a3.moveToElement(w.findElement(By.xpath("//header/div[2]/div[1]/div[1]/div[4]/div[1]/ul[1]/li[2]/a[1]"))).perform();
w.findElement(By.xpath("//a[contains(text(),'Search by Cities')]")).click();
System.out.println("Cities page is displayed");
```

```
w.findElement(By.xpath("//div[contains(text(),'Agra')]")).click();
w.navigate().back();
w.navigate().back();
```

TC_15: To check the functionality of Data_SearchbySector button.

```
//NATURAL LANDSCAPE-DATA-SEARCH bY SECTOR
Actions a4=new Actions(w);
a4.moveToElement(w.findElement(By.xpath("//header/div[2]/div[1]/div[1]/div[4]/div[1]/ul[1]
/li[2]/a[1]"))).perform();
w.findElement(By.xpath("//a[contains(text(),'Search by Sector')]")).click();
System.out.println("Sectors page is displayed");
w.findElement(By.xpath("//div[contains(text(),'Art and Culture')]")).click();
w.navigate().back();
w.navigate().back();
```

TC_16: To check the functionality of Cities button

```
//NATURAL LANDSCAPE-CITIES
w.findElement(By.xpath("//header/div[2]/div[1]/div[1]/div[4]/div[1]/ul[1]/li[3]/a[1]")).click();
System.out.println("Cities page is displayed");
w.navigate().back();
```

TC_17: To check the functionality of CDO button.

```
//NATURAL LANDSCAPE-CDO
w.findElement(By.xpath("//a[contains(text(),'CDO')]")).click();
System.out.println("Chief Data Officers page is displayed");
w.navigate().back();
```

TC_18: To check the functionality of Documents button.

```
//NATURAL LANDSCAPE-DOCUMENTS
w.findElement(By.xpath("//a[contains(text(),'Documents')]")).click();
System.out.println("Documents page is displayed");
//w.findElement(By.xpath("//div[contains(text(),'Help Documents')]")).click();
//JavascriptExecutor js4=(JavascriptExecutor)w;
//js4.executeScript("window.scrollTo(0,700)");
//Thread.sleep(1000);
//js4.executeScript("window.scrollTo(0, -700)");
//System.out.println("Help documents are listed");
w.navigate().back();
```

DEFECT:In this module, none of the locators are working.

TC_19: To check the functionality of FAQ button.

```
//NATURAL LANDSCAPE-FAQ  
w.findElement(By.xpath("//a[contains(text(),'FAQ')]")).click();  
System.out.println("FAQs page is displayed");  
w.findElement(By.xpath("//a[contains(text(),'Q3) We are facing challenges in fetching data from')]")).click();  
w.navigate().back();  
w.switchTo().window(pw);  
Thread.sleep(1000);
```

TC_20: To check the functionality of Open data-2nd link.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-4']")).click();  
w.findElement(By.xpath("//a[contains(text(),'Open Spaces: Thane')]")).click();  
System.out.println("Open Spaces: Thane page is displayed");  
  
Set <String> wind=w.getWindowHandles();  
Iterator <String> it1=win.iterator();  
String pw1=it1.next();  
String cw1=it1.next();  
  
w.switchTo().window(cw1);  
Thread.sleep(1000);  
w.switchTo().window(pw1);  
Thread.sleep(1000);
```

TC_21: To check the functionality of Open data-3rd link.

REGISTRATION BUTTON:

```
w.findElement(By.cssSelector("body.html.not-front.not-logged-in.no-sidebars.page-node.page-node-.page-node-6819062.node-type-catalog.domain-data-gov-in.color-standard.ogpl-processed1:nth-child(6) div.page-container div.container.page div.top-wrapper:nth-child(1) div.header.clearfix div.region.region-header:nth-child(3) div.block.block-common-utility:nth-child(2) div.block-content.content > a.user-Register-link.ext")).click();  
  
w.findElement(By.xpath("//input[@id='edit-full-name']")).sendKeys("Ankita Thamke");  
w.findElement(By.xpath("//input[@id='edit-email']")).sendKeys("ankitathamke143.at@gmail.com");  
  
Select s1=new Select(w.findElement(By.xpath("//select[@id='edit-gateway-country']")));  
s1.selectByVisibleText("India");  
w.findElement(By.xpath("//input[@id='edit-number']")).sendKeys("9819798427");  
Select s2=new Select(w.findElement(By.xpath("//select[@id='edit-links-fieldset-date']")));  
s2.selectByVisibleText("21");  
Select s3=new Select(w.findElement(By.xpath("//select[@id='edit-links-fieldset-month']")));
```

```
s3.selectByVisibleText("September");
Select s4=new Select(w.findElement(By.xpath("//select[@id='edit-links-fieldset-year']")));
s4.selectByVisibleText("1997");
Select s5=new Select(w.findElement(By.xpath("//select[@id='edit-gender']")));
s5.selectByVisibleText("Female");
w.findElement(By.xpath("//input[@id='edit-submit']")).click();
```

TC_22: To check the functionality of ‘NDASP’ button.

```
//RELEASED UNDER
w.findElement(By.xpath("//a[contains(text(),'National Data Sharing and Accessibility Policy (ND')])")).click();
Set <String> wind2=w.getWindowHandles();
Iterator <String> it3=wind2.iterator();
String pw3=it3.next();
String cw3=it3.next();
Thread.sleep(1000);
w.switchTo().window(cw3);
Thread.sleep(1000);
//w.switchTo().window(pw3);
```

TC_23: To check the functionality of ‘Annual Building Construction Cost index for Punjab’ link.

```
//CONTRIBUTOR-PUNJAb PLANNING DEPARTMENT-1
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();
System.out.println("Planning Department, Punjab page is displayed");
w.findElement(By.xpath("//a[contains(text(),'Annual Building Construction Cost index for Punjab')]")).click();
System.out.println("Annual Building Construction Cost index for Punjab page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_24: To check the functionality of ‘District-wise Medical Termination of Pregnancies in Punjab’ link.

```
//CONTRIBUTOR-PUNJAb PLANNING DEPARTMENT-2
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();
System.out.println("Planning Department, Punjab page is displayed");
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-column']/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/h3[1]")).click();
System.out.println("District-wise Medical Termination of Pregnancies in Punjab page is displayed");
```

```
w.navigate().back();
w.navigate().back();
```

TC_24: To check the functionality of ‘District-wise progress of Family Welfare Programme in Punjab’ link.

```
//CONTRIBUTOR-PUNJAb PLANNING DEPARTMENT-3
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();
System.out.println("Planning Department, Punjab page is displayed");
w.findElement(By.xpath("//a[contains(text(),'District-wise progress of Family Welfare Programme')]")).click();
System.out.println("District-wise progress of Family Welfare Programme in Punjab page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_25: To check the functionality of ‘District-wise Population Served per Institution and Bed, Area Covered per Institution and Bed in Punjab’ link.

```
//CONTRIBUTOR-PUNJAb PLANNING DEPARTMENT-4
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();
System.out.println("Planning Department, Punjab page is displayed");
w.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]
/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[4]/div[1]/h3[1]/a[1]")).click();
System.out.println("District-wise Population Served per Institution and Bed, Area Covered per
Institution and Bed in Punjab page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_25: To check the functionality of ‘Per Capita Annual Earning of Workers in Punjab’ link.

```
//CONTRIBUTOR-PUNJAb PLANNING DEPARTMENT-5
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();
System.out.println("Planning Department, Punjab page is displayed");
w.findElement(By.xpath("//a[contains(text(),'Per Capita Annual Earning of Workers in
Punjab')]")).click();
System.out.println("Per Capita Annual Earning of Workers in Punjab page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_26: To check the functionality of ‘Annual Building Construction Cost index for Punjab’ link.

```
//CONTRIBUTOR-DEPARTMENT OF ECONOMIC AND STATISTICAL ORGANIZATION-1  
w.findElement(By.xpath("//a[contains(text(),'Department of Economic and Statistical Organization')]")).click();  
System.out.println("Department of Economic and Statistical Organization, Punjab page is displayed");  
w.findElement(By.xpath("//a[contains(text(),'Annual Building Construction Cost index for Punjab')]")).click();  
System.out.println("Annual Building Construction Cost index for Punjab page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_27: To check the functionality of ‘District-wise Medical Termination of Pregnancies in Punjab’ link.

```
//CONTRIBUTOR-DEPARTMENT OF ECONOMIC AND STATISTICAL ORGANIZATION-2  
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();  
System.out.println("Planning Department, Punjab page is displayed");  
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-column']/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/h3[1]")).click();  
System.out.println("District-wise Medical Termination of Pregnancies in Punjab page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_28: To check the functionality of ‘District-wise progress of Family Welfare Programme in Punjab’ link.

```
//CONTRIBUTOR-DEPARTMENT OF ECONOMIC AND STATISTICAL ORGANIZATION-3  
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();  
System.out.println("Planning Department, Punjab page is displayed");  
w.findElement(By.xpath("//a[contains(text(),'District-wise progress of Family Welfare Programme')]")).click();  
System.out.println("District-wise progress of Family Welfare Programme in Punjab page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_28: To check the functionality of ‘District-wise Population Served per Institution and Bed, Area Covered per Institution and Bed in Punjab’ link.

```
//CONTRIBUTOR-DEPARTMENT OF ECONOMIC AND STATISTICAL ORGANIZATION-4  
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();  
System.out.println("Planning Department, Punjab page is displayed");  
w.findElement(By.xpath("//html[1]/body[1]/div[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]  
/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[4]/div[1]/h3[1]/a[1]")).click();  
System.out.println("District-wise Population Served per Institution and Bed, Area Covered per  
Institution and Bed in Punjab page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_29: To check the functionality of ‘Per Capita Annual Earning of Workers in Punjab’ link.

```
//CONTRIBUTOR-DEPARTMENT OF ECONOMIC AND STATISTICAL ORGANIZATION-5  
w.findElement(By.xpath("//a[contains(text(),'Planning Department, Punjab')]")).click();  
System.out.println("Planning Department, Punjab page is displayed");  
w.findElement(By.xpath("//a[contains(text(),'Per Capita Annual Earning of Workers in  
Punjab')]")).click();  
System.out.println("Per Capita Annual Earning of Workers in Punjab page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_29: To check the functionality of ‘Employment in forestry in Punjab’ link.

```
//GROUP:FOREST-1  
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-  
container']/div[@id='page']/div[@id='columns']/div[@id='content-  
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[  
2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();  
System.out.println("Forest page is displayed");  
w.findElement(By.xpath("//a[contains(text(),'Employment in forestry in Punjab')]")).click();  
System.out.println("Employment in forestry in Punjab page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_30: To check the functionality of ‘Annual forest planting of major species in Punjab’ link.

```
//GROUP:FOREST-2  
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-  
container']/div[@id='page']/div[@id='columns']/div[@id='content-  
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[  
2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
```

```

System.out.println("Forest page is displayed");
w.findElement(By.xpath("//a[contains(text(),'Annual forest planting of major species in Punjab')]")).click();
System.out.println("Annual forest planting of major species in Punjab page is displayed");
w.navigate().back();
w.navigate().back();

```

TC_30: To check the functionality of ‘Area protected against fire and cattle grazing in Punjab’ link.

```

//GROUP:FOREST-3
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
System.out.println("Forest page is displayed");
w.findElement(By.xpath("//html[1]/body[1]/div[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[3]/div[1]/h3[1]/a[1]")).click();
System.out.println("Area protected against fire and cattle grazing in Punjab page is displayed");
w.navigate().back();
w.navigate().back();

```

TC_31: To check the functionality of ‘Minor forest produce in Punjab State Forest only page’ link.

```

//GROUP:FOREST-4
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
System.out.println("Forest page is displayed");
w.findElement(By.xpath("//a[contains(text(),'Minor forest produce in Punjab State Forest only')]")).click();
System.out.println("Minor forest produce in Punjab State Forest only page is displayed");
w.navigate().back();
w.navigate().back();

```

TC_32: To check the functionality of ‘Major forest produce in Punjab State Forest only’ link.

```

//GROUP:FOREST-5
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-")

```

```

column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1"])).click();
System.out.println("Forest page is displayed");
w.findElement(By.xpath("//a[contains(text(),'Major forest produce in Punjab State Forest only')]")).click();
System.out.println("Major forest produce in Punjab State Forest only page is displayed");
w.navigate().back();
w.navigate().back();

```

TC_33: To check the functionality of 'State-wise Elephant Deaths Due to Electrocution' link.

```

//SECTORS-ENVIRONMENT AND FOREST-1
w.findElement(By.xpath("//a[contains(text(),'Environment and Forest')]")).click();
System.out.println("Environment and Forest page is displayed");
w.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/h3[1]/a[1"])).click();
System.out.println("State-wise Elephant Deaths Due to Electrocution from 2016-17 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed");
w.navigate().back();
w.navigate().back();

```

TC_34: To check the functionality of 'District-wise Status of Installation of OCEMS' link.

```

//SECTORS-ENVIRONMENT AND FOREST-2
w.findElement(By.xpath("//a[contains(text(),'Environment and Forest')]")).click();
System.out.println("Environment and Forest page is displayed");
w.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[3]/div[1]/h3[1]/a[1"])).click();
System.out.println("District-wise Status of Installation of OCEMS page is displayed");
w.navigate().back();
w.navigate().back();

```

TC_35: To check the functionality of 'District-wise Status of Installation of OCEMS' link.

```

//SECTORS-ENVIRONMENT AND FOREST-3
w.findElement(By.xpath("//a[contains(text(),'Environment and Forest')]")).click();
System.out.println("Environment and Forest page is displayed");
w.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[4]/div[1]/h3[1]/a[1"])).click();
System.out.println("State/UT-wise Forest Cover as per ISFR during 2017 and 2019 (From: Ministry of Environment, Forest and Climate Change) page is displayed");

```

```
w.navigate().back();
w.navigate().back();
```

TC_36: To check the functionality of 'State/UT-wise Afforestation Status from 2014-15 to 2018-19' link.

```
//SECTORS-ENVIRONMENT AND FOREST-4
w.findElement(By.xpath("//a[contains(text(),'Environment and Forest')]")).click();
System.out.println("Environment and Forest page is displayed");
w.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]
/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[5]/div[1]/h3[1]/a[1]")).click();
System.out.println("State/UT-wise Afforestation Status from 2014-15 to 2018-19 (From:
Ministry of Environment, Forest and Climate Change) page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_37: To check the functionality of 'State/UT-wise Forest area Diverted for Non-Forest from 2014-15 to 2018-19' link.

```
//SECTORS-ENVIRONMENT AND FOREST-5
w.findElement(By.xpath("//a[contains(text(),'Environment and Forest')]")).click();
System.out.println("Environment and Forest page is displayed");
w.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[1]/div[7]/div[1]/div[1]/section[1]
/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[6]/div[1]/h3[1]/a[1]")).click();
System.out.println("State/UT-wise Forest area Diverted for Non-Forest from 2014-15 to 2018-
19 (From: Ministry of Environment, Forest and Climate Change) page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_38: To check the functionality of 'Open Government Data Portal Punjab' link.

```
//SOURCE:OPEN GOVERNMENT DATA PORTAL PUNJAB
w.findElement(By.xpath("//a[contains(text(),'Open
Punjab')]")).click();
w.navigate().back();

System.out.println("QUICK LINKS:");
```

TC_39: To check the functionality of 'Catalog' button.

```
//QUICK LINKS-CATALOG
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//a[contains(text(),'CATALOG')]")).click();
System.out.println("Catalog page is displayed");
```

```
w.navigate().back();
```

TC_40: To check the functionality of 'Sectors' button.

```
//QUICK LINKS-SECTORS  
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();  
w.findElement(By.xpath("//a[contains(text(),'SECTORS')]")).click();  
System.out.println("Sectors page is displayed");  
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-column']/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/ul[1]/li[1]/div[1]/span[1]/a[2]")).click();  
System.out.println("Census and Survey page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_41: To check the functionality of 'Events' button.

```
//QUICK LINKS-EVENTS  
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();  
w.findElement(By.xpath("//a[contains(text(),'EVENTS')]")).click();  
System.out.println("Events page is displayed");  
w.navigate().back();
```

TC_42: To check the functionality of 'CDO' button.

```
//QUICK LINKS-CDO  
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();  
w.findElement(By.xpath("//a[contains(text(),'CHIEF DATA OFFICERS')]")).click();  
System.out.println("Chief Data Officers page is displayed");  
Thread.sleep(1000);  
w.navigate().back();
```

TC_43: To check the functionality of 'Apps Gallery' button.

```
//QUICKS LINK-APPS GALLERY  
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();  
w.findElement(By.xpath("//a[contains(text(),'APPs GALLERY')]")).click();  
System.out.println("Apps page is displayed");  
w.navigate().back();
```

TC_44: To check the functionality of 'Metrics' button.

```
//QUICK LINKS-METRICS  
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();  
w.findElement(By.xpath("//a[contains(text(),'METRICS')]")).click();
```

```
System.out.println("Central Publication Metrics page is displayed");
w.findElement(By.xpath("//a[contains(text(),'Department of Health and Family Welfare')]")).click();
w.navigate().back();
w.navigate().back();
```

TC_45: To check the functionality of 'Suggestions' button.

```
//QUICK LINKS-SUGGESTIONS
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//a[contains(text(),'SUGGESTIONS')]")).click();
System.out.println("Recent Suggestions page is displayed");
w.navigate().back();
```

TC_46: To check the functionality of 'Announcements' button.

```
//QUICK LINKS-ANNOUNCEMENTS
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//a[contains(text(),'ANNOUNCEMENTS')]")).click();
System.out.println("Announcements page is displayed");
w.navigate().back();
```

TC_47: To check the functionality of 'Communities' button.

```
//QUICK LINKS-COMMUNITIES
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//a[contains(text(),'COMMUNITIES')]")).click();
System.out.println("COMMUNITIES page is displayed");
w.navigate().back();
```

TC_48: To check the functionality of 'Visualization' button.

```
//QUICK LINKS-VISUALIZATION
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//a[contains(text(),'VISUALIZATION')]")).click();
System.out.println("Visualization page is displayed");

System.out.println("ASSISTIVE LINKS:");
```

TC_49: To check the functionality of 'About Portal' button.

```
//ASSISTIVE LINKS-ABOUT PORTAL
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
System.out.println("Quick Link and Assisstive Links page is displayed");
```

```
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='mega-container']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).click();
System.out.println("About Open Government Data (OGD) Platform India page is displayed");
JavascriptExecutor js5=(JavascriptExecutor)w;
js5.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js5.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();
```

TC_50: To check the functionality of 'BLOG'button.

```
//ASSISTIVE LINKS-BLOG
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//a[contains(text(),'Blog')]")).click();
System.out.println("Blog page is displayed");
JavascriptExecutor js6=(JavascriptExecutor)w;
js6.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js6.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();
```

TC_51: To check the functionality of 'Tell A Friend'button.

```
//ASSISTIVE LINKS-TELL A FRIEND
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[5]/a[1]")).click();
System.out.println("Tell a Friend page is displayed");
w.navigate().back();
```

TC_52: To check the functionality of 'Accessibility Statement'button.

```
//ASSISTIVE LINKS-ACCESSIBILITY STATEMENT
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[7]/a[1]")).click();
System.out.println("Accessibility Statement page is displayed");
JavascriptExecutor js7=(JavascriptExecutor)w;
js7.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js7.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();
```

TC_53: To check the functionality of 'Policies'button.

```
//ASSISTIVE LINKS-POLICIES
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='mega-
container']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[9]/a[1]")).click();
System.out.println("Policies page is displayed");
JavascriptExecutor js8=(JavascriptExecutor)w;
js8.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js8.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();
```

TC_54: To check the functionality of 'FAQs'button.

```
//ASSISTIVE LINKS-FAQS
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='mega-
container']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[2]/a[1]")).click();
System.out.println("Frequently Asked Questions page is displayed");
w.findElement(By.xpath("//a[contains(text(),'How datasets are identified?')]")).click();
JavascriptExecutor js11=(JavascriptExecutor)w;
js11.executeScript("window.scrollTo(0, 300)");
Thread.sleep(5000);
js11.executeScript("window.scrollTo(0, -300)");
Thread.sleep(2000);
w.navigate().back();
```

TC_55: To check the functionality of 'Open Data Sites'button.

```
//ASSISTIVE LINKS-OPEN DATA SITES
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='mega-
container']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[4]/a[1]")).click();
System.out.println("Open Data Sites page is displayed");
w.navigate().back();
```

TC_56: To check the functionality of 'Terms Of Use'button.

```
//ASSISTIVE LINKS-TERMS OF USE
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
```

```
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='mega-container']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[6]/a[1]")).click();
System.out.println("Terms of Use page is displayed");
JavascriptExecutor js9=(JavascriptExecutor)w;
js9.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js9.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();
```

TC_57: To check the functionality of 'Connect With Us'button.

```
//ASSISTIVE LINKS-CONNECT WITH US
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[8]/a[1]")).click();
System.out.println("Connect With Us page is displayed");
w.navigate().back();
```

TC_58: To check the functionality of 'Help'button.

```
//ASSISTIVE LINKS-HELP
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[1]/div[2]/div[1]/div[1]/ul[1]/li[10]/a[1]")).click();
System.out.println("Open Government Data Platform Help page is displayed");
JavascriptExecutor js10=(JavascriptExecutor)w;
js10.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js10.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
w.navigate().back();
```

TC_59: To check the functionality of 'Link To Us'button.

```
//ASSISTIVE LINKS-LINK TO US
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[11]/a[1]")).click();
System.out.println("Link To Us page is displayed");
w.navigate().back();
```

TC_60: To check the functionality of 'Newsletter'button.

```
//ASSISTIVE LINKS-NEWSLETTER  
w.findElement(By.xpath("//a[@id='mega-menu-selector']")).click();  
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-  
container']/div[@id='page']/div[@id='mega-  
container']/div[1]/div[2]/div[1]/div[1]/div[1]/ul[1]/li[12]/a[1]")).click();  
w.findElement(By.xpath("//tbody/tr[1]/td[1]/div[1]/div[1]/a[1]/img[1]")).click();  
System.out.println("Newsletter September 2020 page is displayed");  
w.navigate().back();
```

TC_61: To check the functionality of Open Data-4th link.

```
//OPEN DATA-4  
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-4']")).click();  
w.findElement(By.xpath("//a[contains(text(),'More...')]")).click();  
System.out.println("Catalogs page is displayed");  
Set <String> win3=w.getWindowHandles();  
Iterator <String> it4=win3.iterator();  
String pw4=it4.next();  
String cw4=it4.next();  
  
w.switchTo().window(cw4);  
Thread.sleep(3000);  
w.findElement(By.xpath("//html[1]/body[1]/div[1]/div[1]/div[9]/div[1]/div[1]/section[1]  
/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/span[1]/a[1]")).click()  
();
```

TC_62: To check the functionality of 'Contributor-1st' link.

```
//CONTRIBUTOR-MINISTRY OF ENVIRONMENT,FOREST AND CLIMATE CHANGE-1  
w.findElement(By.xpath("//a[contains(text(),'Ministry of Environment, Forest and Climate  
Change')]")).click();  
System.out.println("Ministry of Environment, Forest and Climate Change:");  
w.findElement(By.xpath("//a[contains(text(),'Real time Air Quality Index from various  
locations')]")).click();  
System.out.println("Real time Air Quality Index from various locations page is displayed");  
w.navigate().back();  
w.navigate().back();
```

TC_63: To check the functionality of 'Contributor-2nd'link.

```
//CONTRIBUTOR-MINISTRY OF ENVIRONMENT,FOREST AND CLIMATE CHANGE-2  
w.findElement(By.xpath("//a[contains(text(),'Ministry of Environment, Forest and Climate  
Change')]")).click();  
w.findElement(By.xpath("//a[contains(text(),'Water Quality in India - 2014')]")).click();
```

```
System.out.println("Water Quality in India - 2014 page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_64: To check the functionality of 'Contributor-3rd'link.

```
//CONTRIBUTOR-MINISTRY OF ENVIRONMENT,FOREST AND CLIMATE CHANGE-3
w.findElement(By.xpath("//a[contains(text(),'Ministry of Environment, Forest and Climate Change')]")).click();
w.findElement(By.xpath("//a[contains(text(),'Water Quality in India - 2013')]")).click();
System.out.println("Water Quality in India - 2013 page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_65: To check the functionality of 'Contributor-4th'link.

```
//CONTRIBUTOR-MINISTRY OF ENVIRONMENT,FOREST AND CLIMATE CHANGE-4
w.findElement(By.xpath("//a[contains(text(),'Ministry of Environment, Forest and Climate Change')]")).click();
w.findElement(By.xpath("//a[contains(text(),'Historical Daily Ambient Air Quality Data')]")).click();
System.out.println("Historical Daily Ambient Air Quality Data page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_66: To check the functionality of 'Contributor-5th'link.

```
//CONTRIBUTOR-MINISTRY OF ENVIRONMENT,FOREST AND CLIMATE CHANGE-5
w.findElement(By.xpath("//a[contains(text(),'Ministry of Environment, Forest and Climate Change')]")).click();
w.findElement(By.xpath("//a[contains(text(),'Sameer (National Air Quality Index)]")).click();
System.out.println("Sameer (National Air Quality Index) page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_67: To check the functionality of 'Groups:Water Quality' link.

```
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-container']/div[@id='page']/div[@id='columns']/div[@id='content-column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
```

TC_68: To check the functionality of ‘Groups:Water Quality-1st’link.

```
//GROUPS:WATER QUALITY-1
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='columns']/div[@id='content-
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
System.out.println("Water Quality:");
w.findElement(By.xpath("//a[contains(text(),'Water Quality in India - 2014')]")).click();
System.out.println("Water Quality in India - 2014 page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_69: To check the functionality of ‘Groups:Water Quality-2nd’link.

```
//GROUPS:WATER QUALITY-2
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='columns']/div[@id='content-
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Water Quality in India - 2013')]")).click();
System.out.println("Water Quality in India - 2013 page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_70: To check the functionality of ‘Groups:Water Quality-3rd’link.

```
//GROUPS:WATER QUALITY-3
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='columns']/div[@id='content-
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
System.out.println("Water Quality page is displayed");
w.findElement(By.xpath("//html[1]/body[1]/div[1]/div[1]/div[1]/div[7]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/h3[1]/a[1]")).click();
System.out.println("Water Quality in India - 2013 page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_71: To check the functionality of ‘Groups:Water Quality-4th’link.

```
//GROUPS:WATER QUALITY-4
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='columns']/div[@id='content-
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/article[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Bio Monitoring Field Protocol')]")).click();
System.out.println("Bio Monitoring Field Protocol page is displayed");
w.navigate().back();
w.navigate().back();
```

TC_72: To check the functionality of ‘Groups:Water Quality-5th’link.

```
//GROUPS:WATER QUALITY-5
w.findElement(By.xpath("//body/div[@id='main-wrapper']/div[@id='page-
container']/div[@id='page']/div[@id='columns']/div[@id='content-
column']/div[2]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/ul[1]/li[4]/span[2]/ul[1]/li[1]/a[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Ganga Shravan Abhiyaan')]")).click();
System.out.println("Ganga Shravan Abhiyaan page is displayed");
w.navigate().back();
w.navigate().back();

w.switchTo().window(pw4);
```

TC_73: To check the functionality of Services button.

```
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[1]")).click();
```

TC_74: To check the functionality of Services-1st link.

```
//SERVICES-1
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/div[1]/ul[1]/li[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Tree Felling Permission for Nagari Municipal
Corpo')]")).click();
JavascriptExecutor ex1 =(JavascriptExecutor)w;
ex1.executeScript("window.scrollTo(0,300)");
Thread.sleep(2000);
```

```
w.navigate().back();
Thread.sleep(2000);
```

TC_75: To check the functionality of Services-2nd link.

```
//SERVICES-2
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/
div[1]/div[1]/ul[1]/li[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Tree Felling Permission for Markapur Municipal
Cor')]")).click();
JavascriptExecutor ex2 =(JavascriptExecutor)w;
ex2.executeScript("window.scrollTo(0,300)");
Thread.sleep(2000);
w.navigate().back();
```

TC_76: To check the functionality of Services-3rd link.

```
//SERVICES-3
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/
div[1]/div[1]/ul[1]/li[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Tree Felling Permission for Mangalagiri
Municipal ')]")).click();
JavascriptExecutor ex3 =(JavascriptExecutor)w;
ex3.executeScript("window.scrollTo(0,300)");
Thread.sleep(2000);
w.navigate().back();
```

TC_77: To check the functionality of Services-4th link.

```
//SERVICES-4
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/
div[1]/div[1]/ul[1]/li[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Tree Felling Permission for Macherla Municipal
Cor')]")).click();
JavascriptExecutor ex4 =(JavascriptExecutor)w;
ex4.executeScript("window.scrollTo(0,300)");
Thread.sleep(2000);
w.navigate().back();
```

TC_78: To check the functionality of Services-5th link.

```

//SERVICES-5
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/
div[1]/div[1]/ul[1]/li[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Tree Felling Permission for Kovvur Municipal
Corpo')]")).click();
JavascriptExecutor ex5 =(JavascriptExecutor)w;
ex5.executeScript("window.scrollTo(0,300)");
Thread.sleep(2000);
w.navigate().back();

```

TC_79: To check the functionality of Services-6th link.

```

//SERVICES-6
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/
div[1]/div[1]/ul[1]/li[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Tree Felling Permission for Kavali Municipal
Corpo')]")).click();
JavascriptExecutor ex6 =(JavascriptExecutor)w;
ex6.executeScript("window.scrollTo(0,300)");
Thread.sleep(2000);
w.navigate().back();

```

TC_80: To check the functionality of Documents button.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
```

TC_81: To check the functionality of Documents-1st link.

```

//DOCUMENTS-1
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
w.findElement(By.xpath("//a[contains(text(),'Detailed Demands for Grants, Ministry of Water
Res')]")).click();
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/
div[1]/div[1]/ol[1]/li[1]/h3[1]/a[1]")).click();
Thread.sleep(2000);
w.navigate().back();
w.navigate().back();

```

TC_82: To check the functionality of Documents-2nd link.

```
//DOCUMENTS-2
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
```

```
w.findElement(By.xpath("//a[contains(text(),'Demands for Grants, Ministry of Environment, Forest')]")).click();
System.out.println("Demands for Grants, Ministry of Environment, Forest and Climate Change page is displayed");
Thread.sleep(2000);w.navigate().back();
```

TC_83: To check the functionality of Documents-3rd link.

```
//DOCUMENTS-3
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
w.findElement(By.xpath("//a[contains(text(),'Demand for Grants, Ministry of Environment & Forest')]")).click();
System.out.println("Demand for Grants, Ministry of Environment & Forests is displayed");
Thread.sleep(2000);
w.navigate().back();
```

TC_84: To check the functionality of Documents-4th link.

```
//DOCUMENTS-4
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[3]/div[1]/div[1]/div[1]/div[2]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[4]/div[1]/span[1]/a[1]")).click();
System.out.println("E-book of Ministry of Water Resources River Development and Ganga Rejuvenation page is displayed");
Thread.sleep(2000);
w.navigate().back();
```

TC_85: To check the functionality of Documents-5th link.

```
//DOCUMENTS-5
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
w.findElement(By.xpath("//a[contains(text(),'Reports on Tiger in India by Wildlife Institute of')]")).click();
System.out.println("Reports on Tiger in India by Wildlife Institute of India");
Thread.sleep(2000);
w.navigate().back();
```

TC_86: To check the functionality of Forms button.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
```

TC_87: To check the functionality of Forms-1st link.

```
//FORMS-1
```

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-1']")).click();
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-2']")).click();
w.findElement(By.xpath("//a[contains(text(),'Send your feedback to ENVIS Centre of Nagaland')]")).click();
System.out.println("Send your feedback to ENVIS Centre of Nagaland");
Thread.sleep(2000);
w.navigate().back();
```

TC_88: To check the functionality of Forms-2nd link.

```
//FORMS-2
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-2']")).click();
w.findElement(By.xpath("//a[contains(text(),'Write your feedback for Forest Department of Madhya')]")).click();
System.out.println("Write your feedback for Forest Department of Madhya Pradesh");
Thread.sleep(2000);
w.navigate().back();
```

TC_89: To check the functionality of Forms-3rd link.

```
//FORMS-3
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-2']")).click();
w.findElement(By.xpath("//a[contains(text(),'Write to Ministry of Environment and Forests')]")).click();
System.out.println("Write to Ministry of Environment and Forests");
Thread.sleep(2000);
w.navigate().back();
```

TC_90: To check the functionality of Forms-4th link.

```
//FORMS-4
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-2']")).click();
w.findElement(By.xpath("//a[contains(text(),'Ministry of Earth Sciences seminars application fo')]")).click();
System.out.println("Ministry of Earth Sciences seminars application form ");
Thread.sleep(2000);
w.navigate().back();
```

TC_91: To check the functionality of Forms-5th link.

```
//FORMS-5
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-2']")).click();
w.findElement(By.xpath("//a[contains(text(),'Post comments for Andhra Pradesh Water Sector Impr')]")).click();
System.out.println("Post comments for Andhra Pradesh Water Sector Improvement Project ");
Thread.sleep(2000);
```

```
w.navigate().back();

System.out.println("Environment & Forest:");
```

TC_92: To check the functionality of 'Environment & Forest-1st 'link.

```
//ENVIRONEMNT AND FOREST-1
w.findElement(By.xpath("//*[@id='leftside-bar']/ul/li[1]/a")).click();
System.out.println("Environment page is displayed ");
Select s1=new Select(w.findElement(By.xpath("//select[@id='edit-sort-by']")));
s1.selectByVisibleText("Most Updated");
JavascriptExecutor js12=(JavascriptExecutor)w;
js12.executeScript("window.scrollTo(0 ,document.body.scrollHeight)");
Thread.sleep(1000);
js12.executeScript("window.scrollTo(document.body.scrollHeight ,0)");
w.navigate().back();
```

TC_93: To check the functionality of 'Environment & Forest-2nd 'link.

```
//ENVIRONMENT AND FOREST-2
w.findElement(By.xpath("//*[@id='leftside-bar']/ul/li[2]/a")).click();
System.out.println("Forest page is displayed");
Select s2=new Select(w.findElement(By.xpath("//select[@id='edit-sort-by']")));
s2.selectByVisibleText("Most Recent");
JavascriptExecutor js13=(JavascriptExecutor)w;
js13.executeScript("window.scrollTo(0 ,document.body.scrollHeight)");
Thread.sleep(1000);
js13.executeScript("window.scrollTo(document.body.scrollHeight ,0)");
w.navigate().back();
```

TC_94: To check the functionality of 'Environment & Forest-3rd'link.

```
//ENVIRONMENT AND FOREST-3
w.findElement(By.xpath("//*[@id='leftside-bar']/ul/li[3]/a")).click();
System.out.println("Natural Resources page is displayed");
Select s3=new Select(w.findElement(By.xpath("//select[@id='edit-sort-by']")));
s3.selectByVisibleText("Most Updated");
JavascriptExecutor js14=(JavascriptExecutor)w;
js14.executeScript("window.scrollTo(0 ,document.body.scrollHeight)");
Thread.sleep(1000);
js14.executeScript("window.scrollTo(document.body.scrollHeight ,0)");
```

```
w.navigate().back();
```

TC_95: To check the functionality of 'Environment & Forest-4th' link.

```
//ENVIRONMENT AND FOREST-4
w.findElement(By.xpath("//*[@id=\"leftside-bar\"]/ul/li[4]/a")).click();
System.out.println("Wildlife page is displayed");
Select s4=new Select(w.findElement(By.xpath("//select[@id='edit-sort-by']")));
s4.selectByVisibleText("Most Recent");
JavascriptExecutor js15=(JavascriptExecutor)w;
js15.executeScript("window.scrollTo(0 ,700)");
Thread.sleep(1000);
js15.executeScript("window.scrollTo(0 ,-700)");
w.navigate().back();

System.out.println("Most Viewed:");
```

TC_96: To check the functionality of 'Most Viewed-1st' link.

```
//MOST VIEWED-1
w.findElement(By.linkText("National Tiger Conservation Authority")).click();
System.out.println("National Tiger Conservation Authority's Related links page is displayed ");
Thread.sleep(3000);
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ol[1]/li[1]/ul[1]/li[4]/form[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[5]/a[1]")).c
lick();
w.navigate().back();
```

TC_97: To check the functionality of 'Most Viewed-2nd' link.

```
//MOST VIEWED-2
w.findElement(By.xpath("//*[@id=\"block-system-
main\"]/div/div[3]/div/div[1]/div/div/div/div[2]/div/ul/li[2]/div/span/a")).click();
System.out.println("Website of Central Pollution Control Board's Related links page is displayed ");
Thread.sleep(3000);
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ol[1]/li[1]/ul[1]/li[4]/form[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[6]/a[1]")).c
lick();
w.navigate().back();
```

TC_98: To check the functionality of 'Most Viewed-3rd' link.

```

//MOST VIEWED-3
w.findElement(By.xpath("//*[@id=\"block-system-
main\"]/div/div[3]/div/div[1]/div/div/div[2]/div/ul/li[3]/div/span/a")).click();
System.out.println("Information on acts and rules of Department of Land Resources's Related
links page is displayed ");
JavascriptExecutor js17=(JavascriptExecutor)w;
js17.executeScript("window.scrollTo(0,1000)");
Thread.sleep(1000);
js17.executeScript("window.scrollTo(0, -1000)");
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ol[1]/li[6]/ul[1]/li[4]/form[1]/div[1]/div[1]/div[1]/div[1]/div[3]/a[1]")).c
lick();
w.navigate().back();

```

TC_99: To check the functionality of 'Most Viewed-4th' link.

```

//MOST VIEWED-4
w.findElement(By.xpath("//*[@id=\"block-system-
main\"]/div/div[3]/div/div[1]/div/div/div[2]/div/ul/li[4]/div/span/a")).click();
System.out.println("Paryavaran Vahini Scheme by Ministry of Environment and Forests's
related links page is displayed ");
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ul[1]/li[2]/a[1]")).click();
w.findElement(By.xpath("/html[1]/body[1]/div[2]/main[1]/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ol[1]/li[2]/ul[1]/li[4]/form[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[5]/a[1]")).click();
w.navigate().back();

```

TC_100: To check the functionality of 'Most Viewed-5th' link.

```

//MOST VIEWED-5
w.findElement(By.xpath("/html[1]/body[1]/div[2]/main[1]/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[3]/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/ul[1]/li[5]/div[1]/span[1]
/a[1]")).click();
System.out.println("Website of the Ministry of Mines Related links page is displayed");
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/ol[1]/li[2]/ul[1]/li[4]/form[1]/div[1]/div[1]/div[1]/div[1]/div[5]/a[1]")).c
lick();
w.navigate().back();

System.out.println("What's New:");

```

TC_101: To check the functionality of 'What's New-1st' link.

```
//WHAT'S NEW-1  
w.findElement(By.xpath("//*[@id=\"block-system-  
main\"]/div/div[3]/div/div[3]/div/div/div/div[2]/div/ul/li[1]/div/span/a")).click();  
System.out.println(w.getTitle());  
System.out.println("National Biodiversity Authority page is displayed");  
w.navigate().back();
```

TC_102: To check the functionality of ‘What’s New-2nd’ link.

```
//WHAT'S NEW-2  
w.findElement(By.xpath("//*[@id=\"block-system-  
main\"]/div/div[3]/div/div[3]/div/div/div/div[2]/div/ul/li[2]/div/span/a")).click();  
System.out.println(w.getCurrentUrl());  
System.out.println("Website of Forest Department of Telangana Government's page is  
displayed");  
w.navigate().back();
```

TC_103: To check the functionality of ‘What’s New-3rd’ link.

```
//WHAT'S NEW-3  
w.findElement(By.xpath("//*[@id=\"block-system-  
main\"]/div/div[3]/div/div[3]/div/div/div/div[2]/div/ul/li[3]/div/span/a")).click();  
System.out.println("National Clean Development Mechanism (CDM) Authority page is  
displayed");  
JavascriptExecutor js18=(JavascriptExecutor)w;  
js18.executeScript("window.scrollTo(0,300)");  
Thread.sleep(1000);  
js18.executeScript("window.scrollTo(0, -300)");  
w.navigate().back();
```

TC_104: To check the functionality of ‘What’s New-4th’ link.

```
//WHAT'S NEW-4  
w.findElement(By.xpath("//*[@id=\"block-system-  
main\"]/div/div[3]/div/div[3]/div/div/div/div[2]/div/ul/li[4]/div/span/a")).click();  
System.out.println("E-book of Ministry of Water Resources River Development and Ganga  
Rejuvenation page is displayed");  
JavascriptExecutor js19=(JavascriptExecutor)w;  
js19.executeScript("window.scrollTo(0,700)");  
Thread.sleep(1000);  
js19.executeScript("window.scrollTo(0, -700)");  
w.navigate().back();
```

TC_105: To check the functionality of ‘What’s New-5th’ link.

```
//WHAT'S NEW-5
```

```
w.findElement(By.xpath("//*[@id=\"block-system-main\"]/div/div[3]/div/div[3]/div/div/div[2]/div/ul/li[5]/div/span/a")).click();
System.out.println("Website of Department of Tourism of West Bengal");
w.navigate().back();
```

TC_106: To check the functionality of ‘View Profile’button.

```
//MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
System.out.println("Cabinet Minister:Shri Prakash Javadekar");
w.findElement(By.xpath("//a[contains(text(),'View Profile')]"));
System.out.println(w.getTitle());
w.navigate().back();
```

TC_107: To check the functionality of ‘View Website’button.

```
//WEBSITE
w.findElement(By.xpath("//a[contains(text(),'View Website')]")).click();
System.out.println(w.getTitle());
Set <String> win4=w.getWindowHandles();
Iterator <String> it5=win4.iterator();
String pw5=it5.next();
String cw5=it5.next();

w.switchTo().window(cw5);
Thread.sleep(3000);
w.close();
w.switchTo().window(pw5);
```

TC_108: To check the functionality of ‘Important Links-1st’link.

```
//IMPORTANT LINKS-1
w.findElement(By.xpath("//*[@id=\"block-system-main\"]/div/div[2]/div/div[5]/div/div/div/div/div/span/div[2]/div[3]/ul/li[1]/a")).click();
System.out.println("Website of Ministry of Environment and Forests");
w.navigate().back();
Thread.sleep(2000);
```

TC_109: To check the functionality of ‘Important Links-2nd’link.

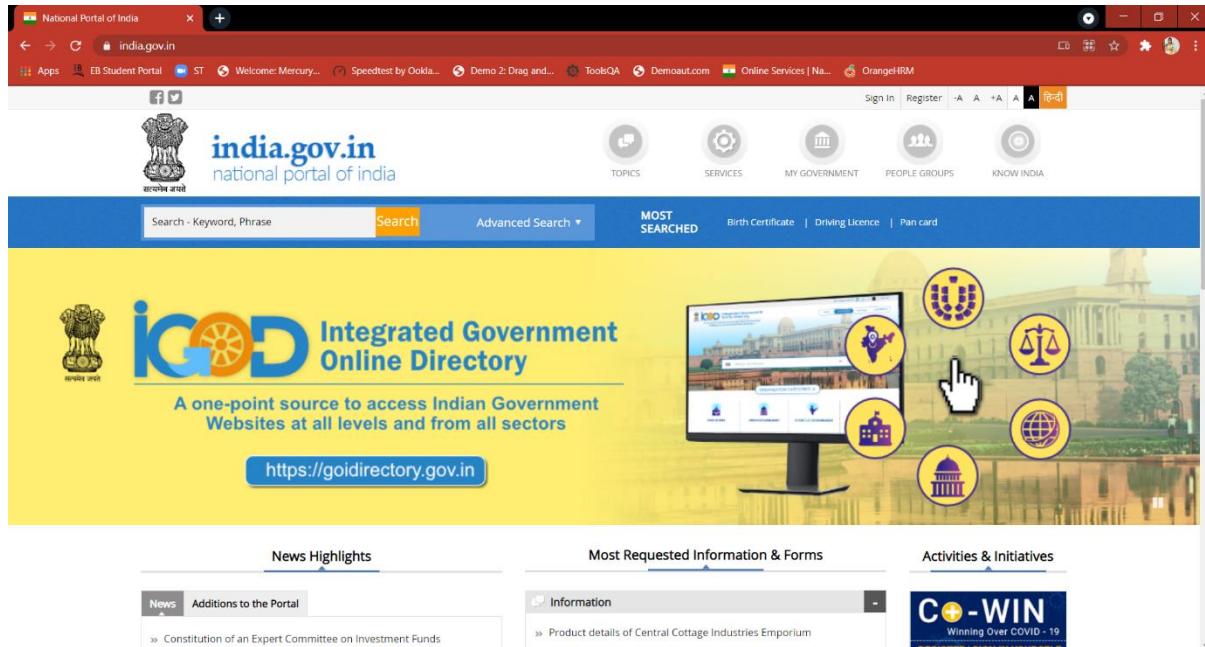
```
w.findElement(By.xpath("//*[@id=\"block-system-main\"]/div/div[2]/div/div[5]/div/div/div/div/div/span/div[2]/div[3]/ul/li[2]")).click();
System.out.println("Website of National Green Tribunal");
w.navigate().back();
Thread.sleep(2000);
```

TC_110: To check the functionality of 'Important Links-3rd' link.

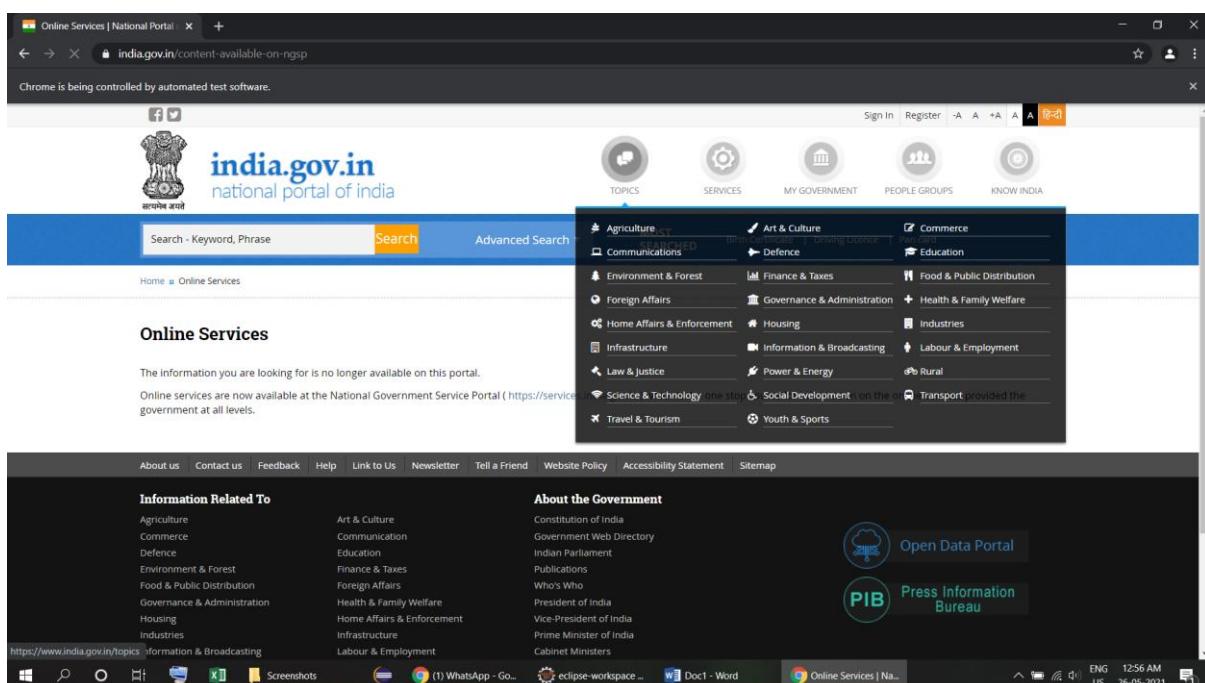
```
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[5]/div[1]/div[1]/div[1]/div[1]/div[1]/span[1]/div[2]/div[3]/ul[1]/li[3]/a[1]")).click();
System.out.println("Website of Central Pollution Control Board");
w.navigate().back();
Thread.sleep(2000);
w.close();
}
}
}
}
```

SCREENSHOTS

Tc_01: LAUNCH THE BROWSER.



Tc_02: CHECK THE FUNCTIONALITY OF TOPICS TAB.



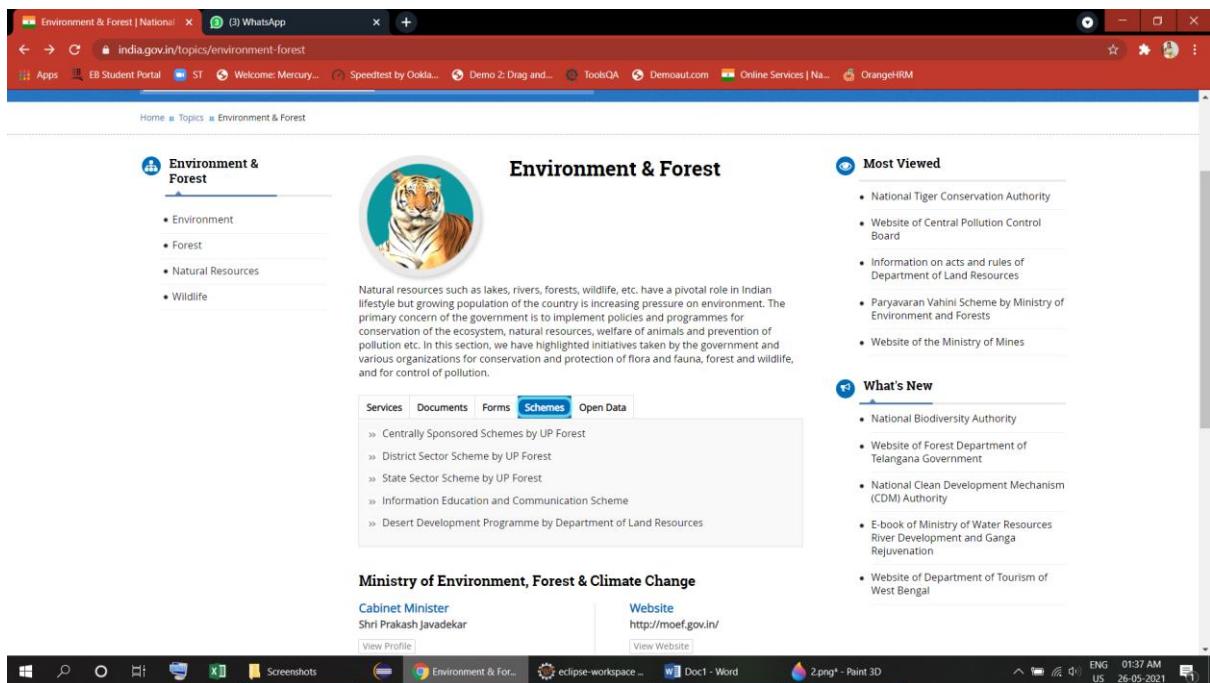
Tc_03: TO CHECK THE FUNCTIONALITY OF ENVIRONMENT AND FOREST TAB.

The screenshot shows the India.gov.in homepage. At the top, there's a navigation bar with links for Sign In, Register, and various site icons. Below the header is a search bar with 'Search - Keyword, Phrase' and a yellow 'Search' button. To the right of the search bar is an 'Advanced Search' dropdown. A large blue banner below the search bar says 'Online Services'. Underneath, there's a section titled 'Online Services' with a message stating 'The information you are looking for is no longer available on this portal.' On the right side of the page, a 'TOPICS' menu is open, showing various categories like Agriculture, Environment & Forest (which is highlighted with a red box), Foreign Affairs, etc. Below the topics menu, there's a 'About the Government' section with links to Constitution of India, President of India, Vice-President of India, etc. On the far right, there are links for 'Open Data Portal' and 'Press Information Bureau'. The bottom of the screen shows a taskbar with various application icons and the date/time (26-05-2021, 12:56 AM).

ENVIRONMENT AND FOREST PAGE IS DISPLAYED.

This screenshot shows the 'Environment & Forest' page. At the top, it features the India.gov.in logo and a navigation bar with 'Topics' selected. Below the navigation is a search bar with 'Search - Keyword, Phrase' and a yellow 'Search' button. To the right of the search bar is a 'MOST SEARCHED' section with links to Birth Certificate, Driving Licence, and Pan card. The main content area has a heading 'Environment & Forest' with a sub-section for 'Environment & Forest' containing links to Environment, Forest, Natural Resources, and Wildlife. To the right of this is a 'Most Viewed' section with links to National Tiger Conservation Authority, Website of Central Pollution Control Board, etc. At the bottom, there's a 'What's New' section with links to National Biodiversity Authority, Website of Forest Department of Telangana Government, and National Clean Development Mechanism. The bottom of the screen shows a taskbar with various application icons and the date/time (26-05-2021, 12:44 AM).

Tc_04: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON.



The screenshot shows a web browser window with the URL india.gov.in/topics/environment-forest. The page title is "Environment & Forest". On the left, there's a sidebar with a tiger icon and links for Environment, Forest, Natural Resources, and Wildlife. The main content area has a heading "Environment & Forest" with a sub-section about natural resources and their conservation. Below this is a list of "Schemes" including Centrally Sponsored Schemes by UP Forest, District Sector Scheme by UP Forest, State Sector Scheme by UP Forest, Information Education and Communication Scheme, and Desert Development Programme by Department of Land Resources. A "Most Viewed" section on the right lists National Tiger Conservation Authority, Website of Central Pollution Control Board, etc. A "What's New" section also lists various government initiatives. The taskbar at the bottom shows several open applications like WhatsApp, Eclipse workspace, and Microsoft Word.

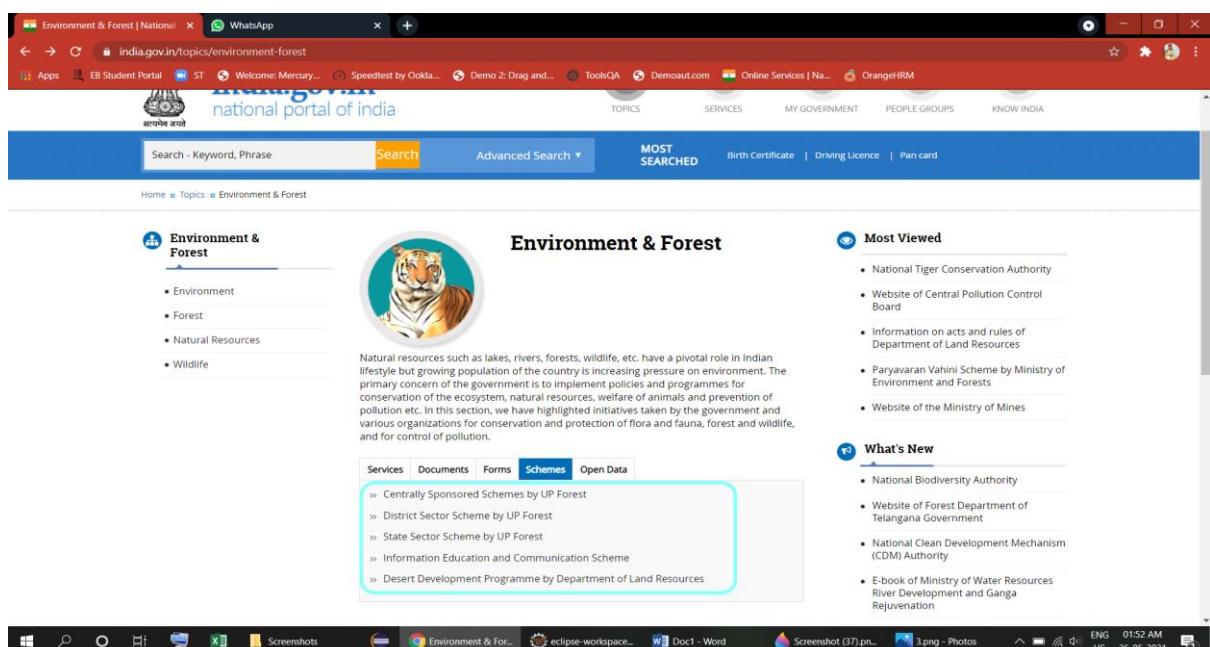
Tc_05: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-1ST LINK.

Tc_06: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-2ND LINK.

Tc_07: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-3RD LINK.

Tc_08: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-4TH LINK.

Tc_09: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-5TH LINK.



This screenshot is identical to the one above, showing the same website content and layout. The "Schemes" button is again highlighted with a blue border, indicating it has been interacted with. The taskbar at the bottom remains the same, showing various open applications.

Tc_10: TO CHECK THE FUNCTIONALITY OF OPEN DATA BUTTON.

The screenshot shows a web browser window with the URL india.gov.in/topics/environment-forest. The page title is "Environment & Forest". On the left, there's a sidebar with a tiger icon and links to Environment, Forest, Natural Resources, and Wildlife. The main content area has a heading "Environment & Forest" with a sub-section about natural resources and their role in Indian life. Below this is a navigation bar with tabs: Services, Documents, Forms, Schemes, Open Data (which is highlighted in blue), and More... A list of links follows, including "Natural Landscape:Thane", "Open Spaces: Thane", "Employment in forestry in Punjab", "Annual forest planting of major species in Punjab", and "Area protected against fire and cattle grazing in Punjab". To the right, there are two sections: "Most Viewed" and "What's New", each listing several links related to environmental topics like the National Tiger Conservation Authority and the Ministry of Water Resources.

Tc_11: TO CHECK THE FUNCTIONALITY OF OPEN DATA-1ST LINK.

Tc_12-Tc_19:

The screenshot shows a web browser window with the URL smartcities.data.gov.in/catalog/natural-landscape-thane. The page title is "Natural Landscape:Thane". At the top, there's a navigation bar with links to HOME, DATA, CITIES, CDO, DOCUMENTS, FAQ, and SIGN IN / SIGN UP. Below this is a search bar with the placeholder "Search 3,022 data catalogs" and a magnifying glass icon. The main content area shows a breadcrumb trail: Home > Catalogs > Natural Landscape:Thane. On the left, there's a sidebar titled "Filter By" with options for Format (CSV) and Having APIs. It also features a profile card for "CHIEF DATA OFFICER" with a 1.5 star rating, the name Nitin Dumbre, ITO Thane, phone number +91 9969020464, and email it[at]thanecity[dot]gov[dot]in. The main content area displays "Catalog Info: Natural Landscape:Thane" with a "Search Resources" input field and a "MOST RECENT" dropdown. It shows "1 - 1 of 1 Resources" and a single file entry: "Thane_Natural Features_2019-2020" (CSV, 9.0 KB, Download). The bottom of the screen shows a taskbar with various icons and the system status bar indicating ENG US 02:04 AM 26-05-2021.

Tc_20: TO CHECK THE FUNCTIONALITY OF OPEN DATA-2ND LINK.

The screenshot shows the Indian National Portal of India homepage. The main navigation bar includes links for Apps, EB Student Portal, Welcome: Mercury..., Speedtest by Ookla..., Demo 2: Drag and..., ToolsQA, Demoaut.com, Online Services | Na..., and OrangeHRM. The top right features links for My Government, People Groups, and Know India. The search bar has fields for 'Search - Keyword, Phrase' and 'Advanced Search'. Below the search bar, there's a 'Most Searched' section with links for Birth Certificate, Driving Licence, and Pan card. The main content area is titled 'Environment & Forest' and features a large image of a tiger. A sidebar on the left lists categories under 'Environment & Forest': Environment, Forest, Natural Resources, and Wildlife. The 'Open Data' tab is currently active, showing a list of links related to environmental topics in Thane and Punjab. On the right, there are sections for 'Most Viewed' and 'What's New'.

Tc_21: TO CHECK THE FUNCTIONALITY OF OPEN DATA-3RD LINK.

This screenshot is identical to the one above, showing the Environment & Forest section of the Indian National Portal. The 'Open Data' tab is selected, and the same list of links is displayed. However, a Kaspersky Internet Security advertisement is overlaid on the right side of the page, featuring a green shield icon and text encouraging users to activate the protection extension.

Tc_22-Tc_38:

The screenshot shows a browser window with three tabs open: 'Environment & Forest | National', 'Employment in forestry in Punjab', and 'Natural Landscape: Thane | smart'. The main content area is the 'data.gov.in' catalog. A search bar at the top contains the query 'Employment in forestry in Punjab'. Below the search bar, there's a 'Catalog Info' section with a summary of the dataset. The dataset is titled 'Employment in Forestry in Punjab from 1968 to 2018' and is available in CSV format. It has 1 resource. The dataset details include: Request API, Granularity: Annual, File Size: 1.8 KB, Download: 8, Visualize: NA, and Reference URL: NA. At the bottom left, there's a 'Chief Data Officer' icon. On the right side, there are buttons for 'Suggest a Dataset' and 'Suggest a Dataset'.

Tc_39-Tc_60:

The screenshot shows a browser window with three tabs open: 'Environment & Forest | National', 'Employment in forestry in Punjab', and 'Natural Landscape: Thane | smart'. The main content area is the 'data.gov.in' homepage. A search bar at the top contains the query 'Employment in forestry in Punjab'. Below the search bar, there's a 'QUICK LINKS' section with links to Catalog, Sectors, Events, Chief Data Officers, Apps Gallery, Metrics, Suggestions, Announcements, Communities, and Visualization. To the right, there's an 'ASSISTIVE LINKS' section with links to About Portal, FAQs, Blog, Tell A Friend, Accessibility Statement, Policies, Link To Us, Open Data Sites, Terms of Use, Connect With Us, Help, and Newsletters. At the bottom left, there's a 'Chief Data Officer' icon. On the right side, there are buttons for 'Suggest a Dataset' and 'Suggest a Dataset'.

Tc_61: TO CHECK THE FUNCTIONALITY OF OPEN DATA-4TH LINK.

The screenshot shows the 'Environment & Forest' section of the National Portal of India. The main content area features a tiger icon and a brief introduction about the importance of natural resources. Below this, a 'Services' menu includes 'Open Data'. A list of links under 'Open Data' includes 'Natural Landscape: Thane', 'Open Spaces: Thane', 'Employment in forestry in Punjab', 'Annual forest planting of major species in Punjab' (which is highlighted with a red box), and 'Area protected against fire and cattle grazing in Punjab'. To the right, there are sections for 'Most Viewed' and 'What's New'.

Tc_61-Tc_72:

The screenshot shows the 'Annual forest planting of major species in Punjab' catalog page on data.gov.in. The left sidebar provides 'Catalog Info' with details like release under NDSPAP, contributed by Punjab Planning Department, and keywords including eucalyptus, shisham, kikar, khair, mulberry, chill, and species. The main content area shows a single resource: 'Forest planting of major species in Punjab from 1968 to 2018' in CSV format. It includes download links and metadata such as granularity (Annual), file size (3.1 KB), and visualization (NA). A 'Chief Data Officer' button is visible at the bottom left.

Tc_73: TO CHECK THE FUNCTIONALITY OF SERVICES BUTTON

The screenshot shows the official website of the Ministry of Environment & Forests (MoEF) at india.gov.in/topics/environment-forest. The page features a sidebar with categories like Environment, Forest, Natural Resources, and Wildlife. The main content area has a tiger icon and text about the importance of natural resources. A navigation bar at the bottom includes links for Services, Documents, Forms, Schemes, and Open Data. The Services link is currently active, indicated by a blue border. On the right side, there are sections for 'Most Viewed' and 'What's New' with various links related to environmental topics.

Tc_74-Tc_79:

This screenshot is identical to the one above, showing the MoEF website at india.gov.in/topics/environment-forest. The Services button is again highlighted in blue. The rest of the page content, including the sidebar, main text, and right-hand sidebar sections, remains the same.

Tc_80: TO CHECK THE FUNCTIONALITY OF DOCUMENTS BUTTON

The screenshot shows the official website of the Ministry of Environment, Forest & Climate Change (MoEFCC) at <http://moef.gov.in/>. The main navigation bar includes links for 'Environment & Forest', 'Services', 'Documents', 'Forms', 'Schemes', and 'Open Data'. The 'Documents' tab is currently active, highlighted by a blue border. Below the navigation, there is a sidebar with a tiger icon and a brief introduction about the importance of natural resources. The main content area displays a list of documents related to tree felling permissions for various municipal corporations in Andhra Pradesh. To the right, there are sections for 'Most Viewed' and 'What's New' links.

Tc_81-Tc_85:

This screenshot is identical to the one above, showing the MoEFCC website at <http://moef.gov.in/>. The 'Documents' tab is selected, and the main content area now lists a different set of documents, including 'Detailed Demands for Grants', 'Demands for Grants', 'Demand for Grants', 'E-book of Ministry of Water Resources River Development and Ganga Rejuvenation', and 'Reports on Tiger in India by Wildlife Institute of India'. The rest of the page, including the sidebar and other tabs, remains the same.

Tc_86: TO CHECK THE FUNCTIONALITY OF FORMS BUTTON:

The screenshot shows a web browser window with the URL india.gov.in/topics/environment-forest. The page title is "Environment & Forest". On the left, there's a sidebar with a navigation menu for "Environment & Forest" including "Environment", "Forest", "Natural Resources", and "Wildlife". The main content area features a large image of a tiger. Below the image, a paragraph discusses the importance of natural resources like lakes, rivers, forests, and wildlife. A horizontal menu bar at the top of the content area includes "Services", "Documents", "Forms" (which is highlighted in blue), "Schemes", and "Open Data". A list of links under the "Forms" menu includes: "Send your feedback to ENVIS Centre of Nagaland", "Write your feedback for Forest Department of Madhya Pradesh", "Write to Ministry of Environment and Forests", "Ministry of Earth Sciences seminars application form", and "Post comments for Andhra Pradesh Water Sector Improvement Project". To the right, there are two sections: "Most Viewed" and "What's New", each listing several links related to environmental topics. The bottom of the screen shows the Windows taskbar with various pinned apps and the system clock indicating 03:34 PM on 28-05-2021.

Tc_87-Tc_91:

This screenshot is identical to the one above, showing the same website content and layout. It displays the "Environment & Forest" section of the India Government website. The "Forms" button in the menu is highlighted, and a list of feedback links is visible below it. The "Most Viewed" and "What's New" sections on the right also contain the same links as the previous screenshot. The Windows taskbar at the bottom remains consistent with the first screenshot, showing the date and time as 03:36 PM on 28-05-2021.

Tc_92-Tc_95: TO CHECK THE FUNCTIONALITIES OF ENVIRONMENT AND FOREST LINKS

The screenshot shows the India.gov.in homepage with a red header bar. In the top right corner of the header, there is a 'Sign In' button and other user interface elements. Below the header, the 'india.gov.in national portal of india' logo is displayed, along with links for 'TOPICS', 'SERVICES', 'MY GOVERNMENT', 'PEOPLE GROUPS', and 'KNOW INDIA'. A search bar with the placeholder 'Search - Keyword, Phrase' and a yellow 'Search' button is present. To the right of the search bar, there are links for 'Birth Certificate', 'Driving Licence', and 'Pan card'. The main content area features a large circular image of a tiger. On the left, there is a sidebar titled 'Environment & Forest' with a list of categories: Environment, Forest, Natural Resources, and Wildlife. The main content area has a heading 'Environment & Forest' and a paragraph about the importance of natural resources. Below this is a 'Forms' tab menu with options like 'Send your feedback to ENVIS Centre of Nagaland', 'Write your feedback for Forest Department of Madhya Pradesh', 'Write to Ministry of Environment and Forests', and 'Ministry of Earth Sciences seminars application form'. To the right, there is a 'Most Viewed' section listing links to the National Tiger Conservation Authority, Central Pollution Control Board, Department of Land Resources, Paryavaran Vahini Scheme, and the Ministry of Mines. Below that is a 'What's New' section with links to the National Biodiversity Authority, Forest Department of Telangana Government, and the National Clean Development Mechanism (CDM) Authority.

Tc_96-Tc_100: TO CHECK THE FUNCTIONALITIES OF MOST VIEWED LINKS

This screenshot is identical to the one above, showing the India.gov.in homepage and the Environment & Forest section. However, the 'Most Viewed' section on the right side of the page is highlighted with a red box. This section contains the same list of links as the previous screenshot, including the National Tiger Conservation Authority, Central Pollution Control Board, Department of Land Resources, Paryavaran Vahini Scheme, and the Ministry of Mines.

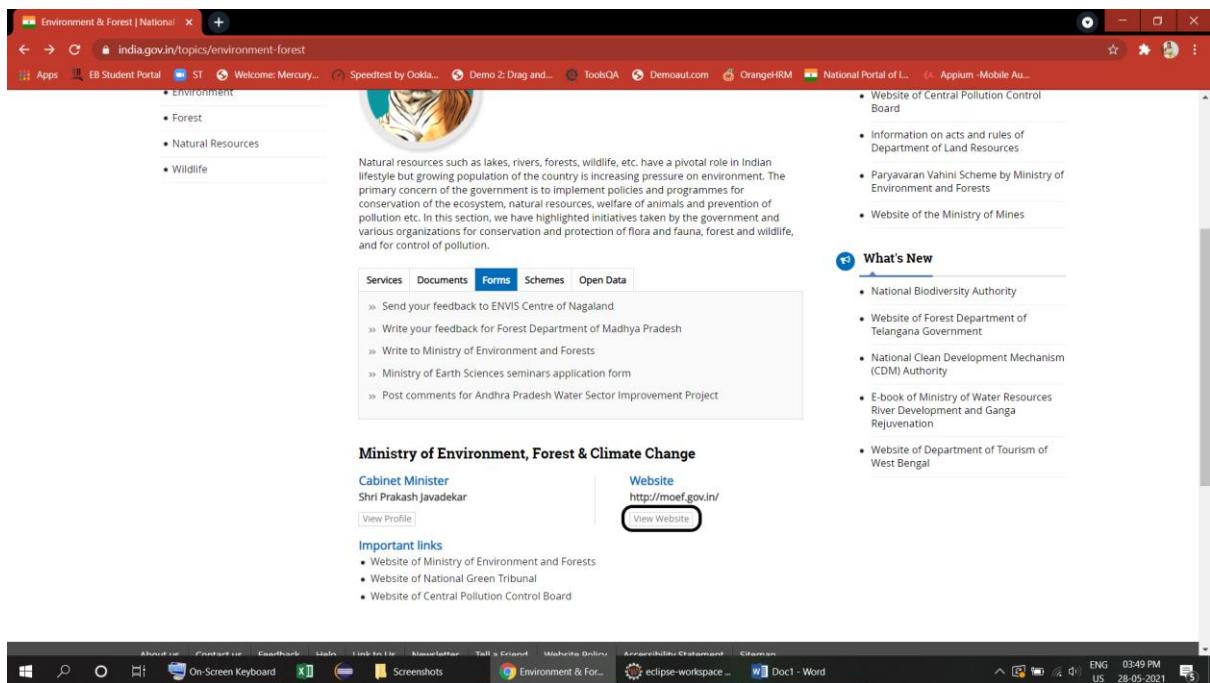
Tc_101-Tc_105: TO CHECK THE FUNCTIONALITIES OF WHAT'S NEW LINKS

The screenshot shows a web browser window for the India Government website (india.gov.in/topics/environment-forest). The main content area features a tiger icon and a heading 'Environment & Forest'. On the left, there's a sidebar with links to Environment, Forest, Natural Resources, and Wildlife. The right side has sections for 'Most Viewed' and 'What's New'. The 'What's New' section is highlighted with a black border and contains a list of links related to environmental departments and initiatives. At the bottom, there's a navigation bar with various icons and a status bar showing the date and time.

Tc_106: TO CHECK THE FUNCTIONALITY OF VIEW PROFILE BUTTON

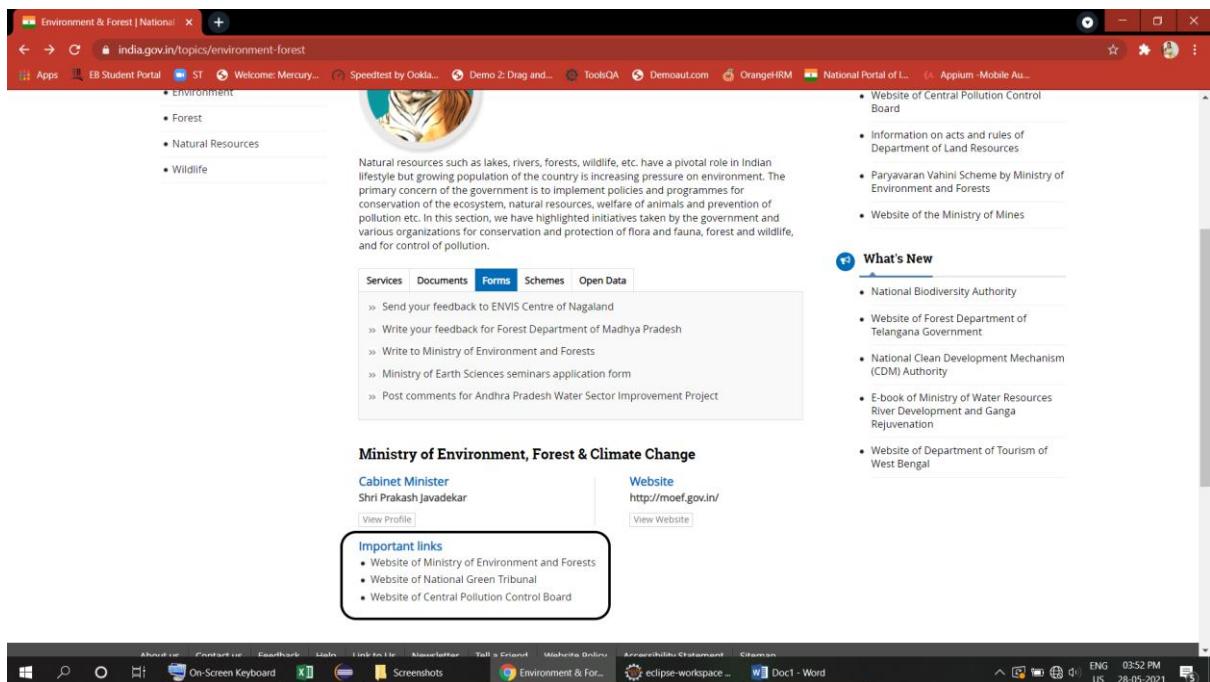
This screenshot is similar to the previous one but focuses on the 'View Profile' button for the Cabinet Minister. The 'View Profile' button is circled in red. The rest of the page content, including the sidebar, main article, and 'What's New' section, is identical to the first screenshot.

Tc_107: TO CHECK THE FUNCTIONALITY OF VIEW WEBSITE BUTTON



The screenshot shows a web browser window with the URL india.gov.in/topics/environment-forest. The page content includes a sidebar with links to Environment, Forest, Natural Resources, and Wildlife. The main content area features a section about natural resources and a 'What's New' sidebar. A 'View Website' button is visible in the 'Important links' section under the Cabinet Minister heading. The taskbar at the bottom shows various application icons.

Tc_108-Tc_110: TO CHECK THE FUNCTIONALITY OF IMPORTANT LINKS



The screenshot shows a web browser window with the same URL as the previous one. The 'Important links' section under the Cabinet Minister heading is highlighted with a red box. This section contains three links: 'Website of Ministry of Environment and Forests', 'Website of National Green Tribunal', and 'Website of Central Pollution Control Board'. The taskbar at the bottom shows various application icons.

OUTPUT:

```
eclipse-workspace - Selenium_basic/src/IndiaGov/INTEGRATION.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Console >
<terminated> [INTEGRATION [Java Application]] C:\Program Files\Java\jdk-11.0.10\bin\javaw.exe (05-Jun-2021, 10:03:04 PM - 1:10:58 PM)
Environment & Forest page is displayed
Centrally Sponsored Schemes by UP Forest page is displayed
District Sector Scheme by UP Forest page is displayed
State Sector Scheme by UP Forest page is displayed
Information Education and Communication Scheme page is displayed
Desert Development Programme by Department of Land Resources page is displayed
Natural Landscape:None :
Open Data Platform India Smart Cities
Catalog page is displayed
Cities page is displayed
Sectors page is displayed
Cities page is displayed
Chief Data Officers page is displayed
Documents page is displayed
FAQs page is displayed
Open Spaces: Thane page is displayed
Open Spaces: https://open-spaces-smartcities.data.gov.in
Employment in forestry in Punjab:
Planning Department, Punjab:
Annual Building Construction Cost index for Punjab page is displayed
District-wise Medical Termination of Pregnancies in Punjab page is displayed
District-wise progress of Family Welfare Programme in Punjab page is displayed
District-wise Population Served per Institution and Bed, Area Covered per Institution and Bed in Punjab page is displayed
Per Capita Annual Earning of Workers in Punjab page is displayed
Department of Economic and Statistical Organization, Punjab:
Annual Building Construction Cost index for Punjab page is displayed
District-wise Medical Termination of Pregnancies in Punjab page is displayed
District-wise progress of Family Welfare Programme in Punjab page is displayed
District-wise Population Served per Institution and Bed, Area Covered per Institution and Bed in Punjab page is displayed
Per Capita Annual Earning of Workers in Punjab page is displayed
Forest:
Employment in forestry in Punjab page is displayed
Annual forest planting of major species in Punjab page is displayed
Area protected against fire and cattle grazing in Punjab page is displayed
Minor forest produce in Punjab State Forest only page is displayed
Major forest produce in Punjab State Forest only page is displayed
Environment and Forest:
State-wise Elephant Deaths Due to Electrocution from 2016-17 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Forest Cover as per ISFR during 2017 and 2019 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Afforestation Status from 2014-15 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Forest area Diverted for Non-Forest from 2014-15 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Forest area Diverted for Non-Forest from 2014-15 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
QUICK LINKS:
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eclipse-workspace - Selenium_basic/src/IndiaGov/INTEGRATION.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Console >
<terminated> [INTEGRATION [Java Application]] C:\Program Files\Java\jdk-11.0.10\bin\javaw.exe (05-Jun-2021, 10:03:04 PM - 1:10:58 PM)
TOMCAT 8.0.29 - 2020-07-01 10:03:04 UTC+05:30
Major forest produce in Punjab State Forest only page is displayed
Environment and Forest:
State-wise Elephant Deaths Due to Electrocution from 2016-17 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Forest Cover as per ISFR during 2017 and 2019 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Afforestation Status from 2014-15 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
State/UT-wise Forest area Diverted for Non-Forest from 2014-15 to 2018-19 (From: Ministry of Environment, Forest and Climate Change) page is displayed
QUICK LINKS:
Catalog page is displayed
Sectors page is displayed
Census and Survey page is displayed
Events page is displayed
Chief Data Officers page is displayed
Apps page is displayed
ASSISTIVE LINKS:
Quick links and assistive links page is displayed
About Open Government Data (OGD) Platform India page is displayed
Blog page is displayed
Tell a Friend page is displayed
Accessibility Statement page is displayed
Policies page is displayed
Frequently Asked Questions page is displayed
Open Data Sites page is displayed
Terms of Use page is displayed
Terms With Us page is displayed
Open Government Data Platform Help page is displayed
Link To Us page is displayed
Newsletter September 2020 page is displayed
Catalogs page is displayed
Ministry of Environment, Forest and Climate Change:
Real time Air Quality Index from various locations page is displayed
Water Quality in India - 2014 page is displayed
Water Quality in India - 2013 page is displayed
Historical Daily Ambient Air Quality Data page is displayed
Sub-national Air Quality Index page is displayed
Water Quality:
Water Quality in India - 2014 page is displayed
Water Quality in India - 2013 page is displayed
Water Quality page is displayed
Water Quality in India - 2013 page is displayed
Bio Monitoring Field Protocol page is displayed
Ganga Shravasti Abhiyaan page is displayed
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