

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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TABLE OF CONTENTS

SR.NO	TOPICS	PAGE NO.
1.	Introduction	3
	1.1. Theory behind the project	3
	1.2. Aim	3
	1.3. Software Requirements	3
2.	Test Scripts	4- 34
3.	Screenshots	35- 47

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 Jar\\chromedriver_win32\\chromedriver.exe");
WebDriver w=new ChromeDriver();
w.manage().window().maximize();

w.get("https://www.india.gov.in/content-available-on-ngsp");
```

TC_02: To check the functionality of Topics tab.

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

w.findElement(By.xpath("//header/section[2]/div[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/nav[1]/ul[1]/li[1]/ul[1]/li[7]/a[1]")).click();
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();
```

TC_05: To check the functionality of Schemes button- 1st link.

```
w.findElement(By.xpath("//a[@id='quicktabs-tab-relevant_links_in-3']")).click();
w.findElement(By.xpath("//a[contains(text(),'Centrally Sponsored Schemes by UP Forest')]")).click();
System.out.println("Centrally Sponsored Schemes by UP Forest page is displayed");
Thread.sleep(1000);
```

```

JavascriptExecutor js=(JavascriptExecutor)w;
js.executeScript("window.scrollTo(0, document.body.scrollHeight)");
Thread.sleep(1000);
js.executeScript("window.scrollTo(document.body.scrollHeight, 0)");
//Thread.sleep(1000);
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();

```

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("AnkitaThamke");
w.findElement(By.xpath("//input[@id='editemail']")).sendKeys("ankitathamke143.at@g
mail.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[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[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[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[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("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]/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[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]/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("//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[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]/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(),'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]/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[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[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[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[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 Government Data Portal 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]/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[@id='mega-container']/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]/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[2]/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]/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("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]/div[1]/article[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[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]/se
ction[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]/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]/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(),'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[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[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- 3rdlink.

```

//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- 4thlink.

```

//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- 5thlink.

```

//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[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- 6thlink.

```
//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[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]/d
iv[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- 3rdlink.

```
//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 & Forests')]")).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- 4thlink.

```
//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]/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- 1stlink.

```
//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- 3rdlink.

```
//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- 4thlink.

```
//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- 5thlink.

```
//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 - 2ndlink.

```
//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- 3rdlink.

```
//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 - 4thlink.

```
//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]")).click();
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]")).click();
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/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]/div[6]/a[1]")).click();
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 Forest'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]/section[1]/div
[1]/div[1]/div[2]/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]/section[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]")).click();
w.navigate().back();

```

TC_10 0: 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[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]/section[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]")).click();
w.navigate().back();

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

```

TC_10 1: 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[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_10 2: 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[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_10 3: 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_10 4: 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_10 5: 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/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_10 6: 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_10 7: 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_10 8: 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_10 9: To check the functionality of 'Important Links- 2nd,link.

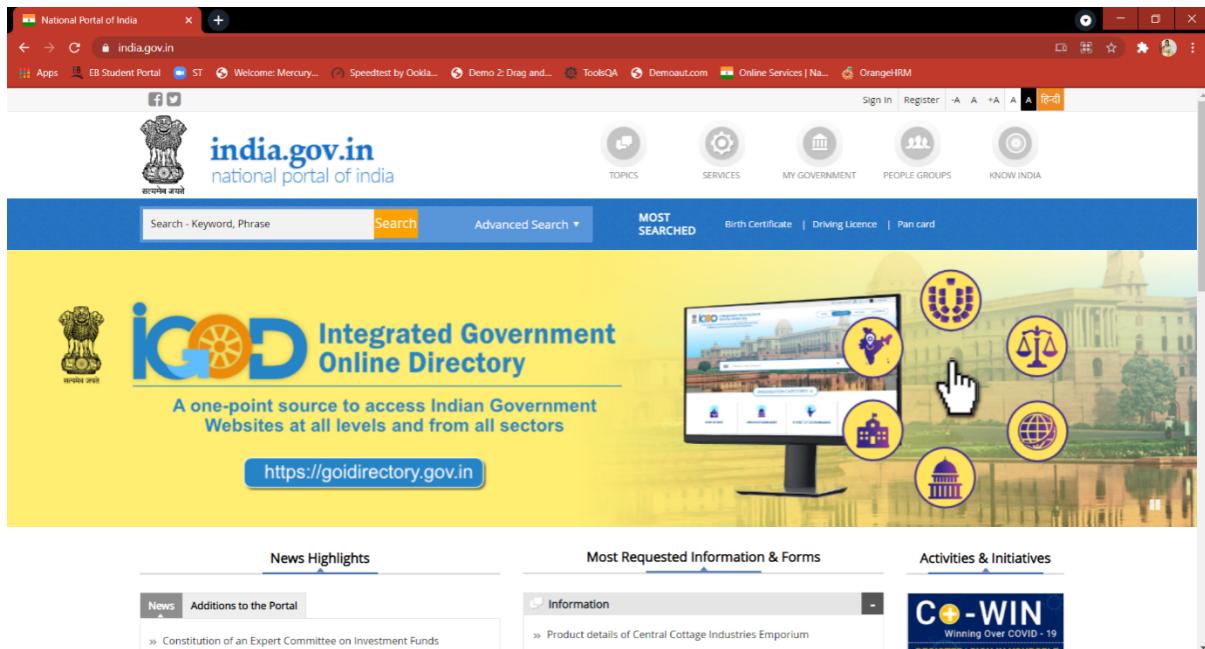
```
w.findElement(By.xpath("//*[ @id=\"block-system-
main\"] /div/div[2] /div/div[5] /div/div/div/div/div/span/div[2] /div[3] /ul/li[2]")).click()
;
System.out.println("Website of National Green Tribunal");
w.navigate().back();
Thread.sleep(2000);
```

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();
}
}
}
}
```

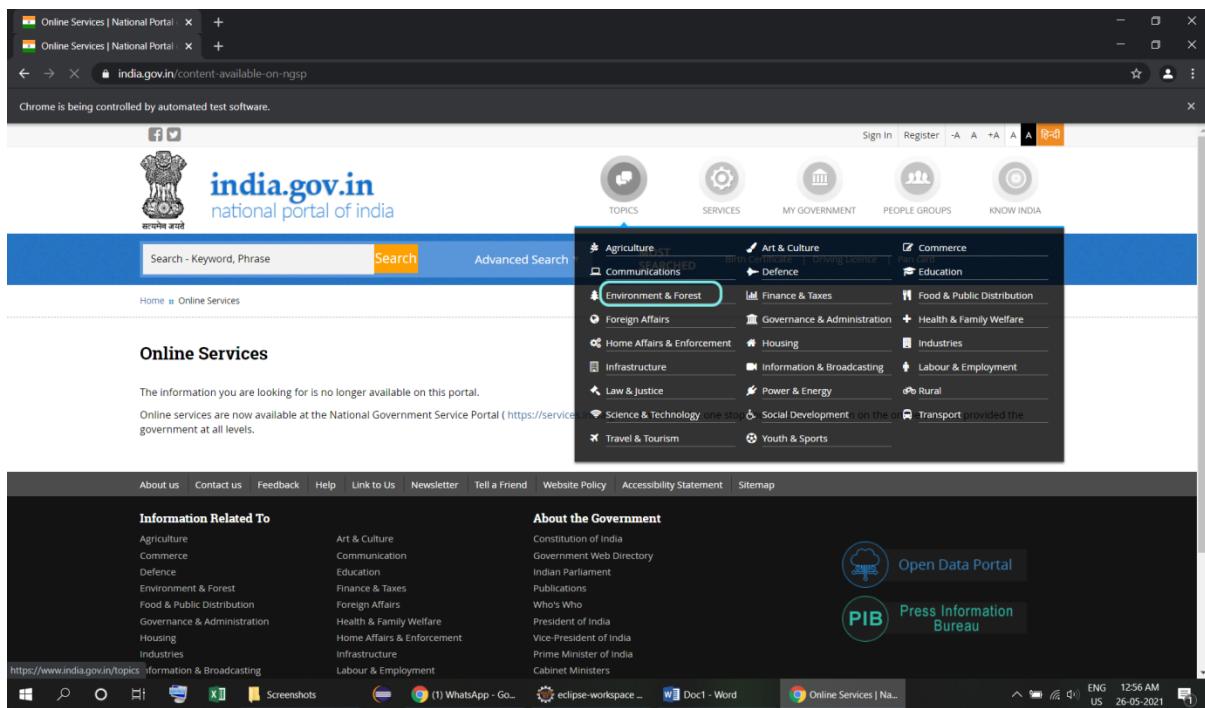
SCREENSHOTS

Tc_01: LAUNCH THE BROWSER.



Tc_02: CHECK THE FUNCTIONALITY OF TOPICS TAB.

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



ENVIRONMENT AND FOREST PAGE IS DISPLAYED.

The screenshot shows the India.gov.in national portal of India. The top navigation bar includes links for Sign In, Register, and various government services like Topics, Services, My Government, People Groups, and Know India. A search bar at the top has a placeholder 'Search - Keyword, Phrase' and a 'Search' button. Below the search bar, there's a 'Most Searched' section with links to Birth Certificate, Driving Licence, and Pan card. The main content area is titled 'Environment & Forest' and features a large image of a tiger. On the left, there's a sidebar for 'Environment & Forest' with categories: Environment, Forest, Natural Resources, and Wildlife. The main content area contains a paragraph about the importance of environmental resources and lists three schemes under the 'Schemes' tab: Centrally Sponsored Schemes by UP Forest, District Sector Scheme by UP Forest, and State Sector Scheme by UP Forest. To the right, there are sections for 'Most Viewed' and 'What's New', each listing several links related to environmental topics.

Tc_04: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON.

This screenshot is similar to the previous one but focuses on the 'Schemes' tab. The 'Schemes' tab is highlighted in blue, indicating it is active. The rest of the interface is identical, showing the sidebar for 'Environment & Forest', the main content area with the tiger image, and the 'Most Viewed' and 'What's New' sections. The main content area also lists the three schemes under the 'Schemes' tab.

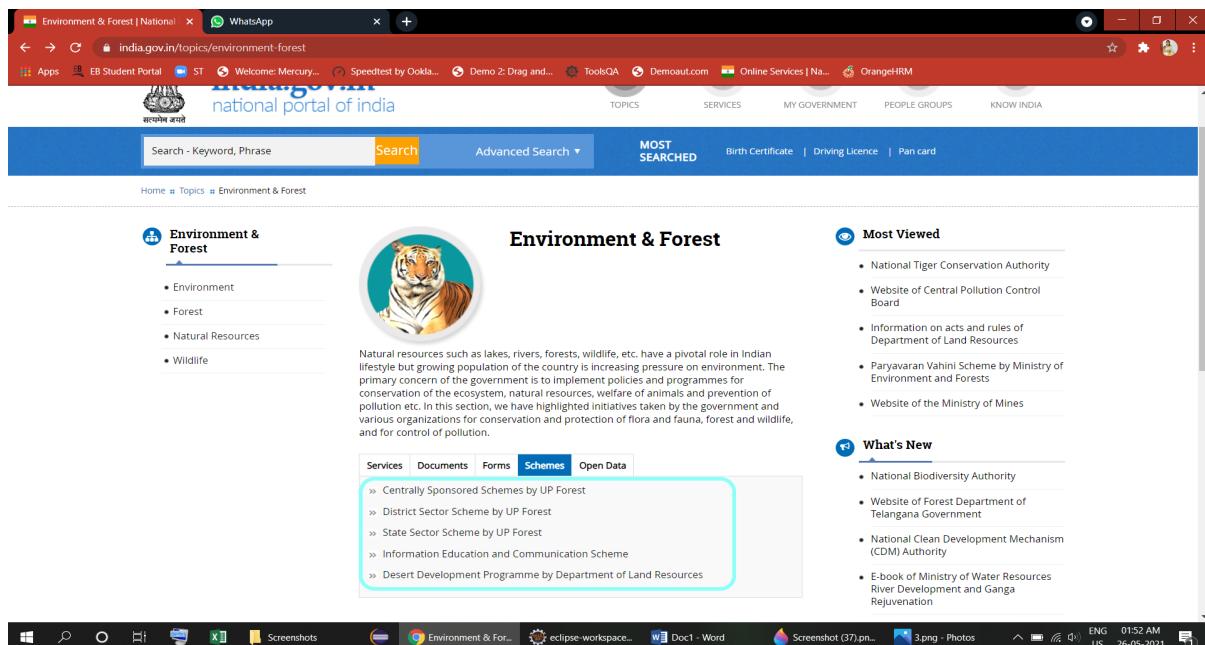
Tc_05: TO CHECK THE FUNCTIONALITY OF SCHEMES BUTTON- 1ST LINK.

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.



Tc_10: TO CHECK THE FUNCTIONALITY OF OPEN DATA BUTTON.

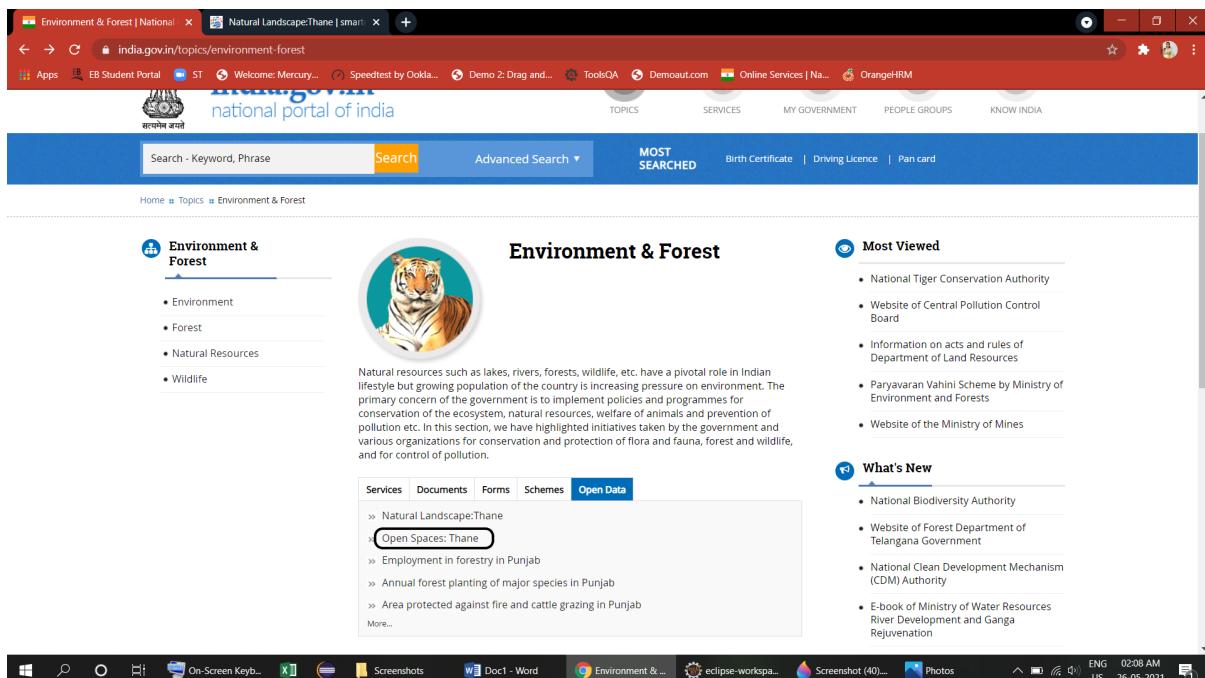
The screenshot shows a browser window with the URL india.gov.in/topics/environment-forest. The page title is "Environment & Forest". On the left, there's a sidebar with a tiger icon and links to Environment, Forest, Natural Resources, and Wildlife. The main content area features a large image of a tiger and text about natural resources. Below this is a "Services" menu with an "Open Data" button highlighted in blue. To the right, there are sections for "Most Viewed" and "What's New", both listing various government initiatives. At the bottom, there's information about the Cabinet Minister and a link to the MoEF website (<http://moef.gov.in/>). The taskbar at the bottom shows other open applications like WhatsApp and Eclipse workspace.

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

Tc_12- Tc_19:

The screenshot shows a browser window with the URL smartcities.data.gov.in/catalog/natural-landscape:thane. The page title is "Natural Landscape:Thane". It features a search bar and navigation links for HOME, DATA, CITIES, CDO, DOCUMENTS, and FAQ. A sidebar on the left displays user profile information for "Nitin Dumbre" (IIT Thane) with a phone number (+91 9969020464). The main content area shows a catalog titled "Catalog Info: Natural Landscape:Thane" with one resource listed: "Thane_Natural_Features_2019-2020" (CSV file, 9.0 KB, Download). The taskbar at the bottom shows other open applications like Eclipse workspace and Word.

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



The screenshot shows the India Government Portal homepage with the 'Environment & Forest' topic selected. The 'Open Data' tab is active, showing a list of environmental initiatives and schemes. A sidebar on the right lists 'Most Viewed' and 'What's New' content.

Environment & Forest

Natural resources such as lakes, rivers, forests, wildlife, etc. have a pivotal role in Indian lifestyle but growing population of the country is increasing pressure on environment. The primary concern of the government is to implement policies and programmes for conservation of the ecosystem, natural resources, welfare of animals and prevention of pollution etc. In this section, we have highlighted initiatives taken by the government and various organizations for conservation and protection of flora and fauna, forest and wildlife, and for control of pollution.

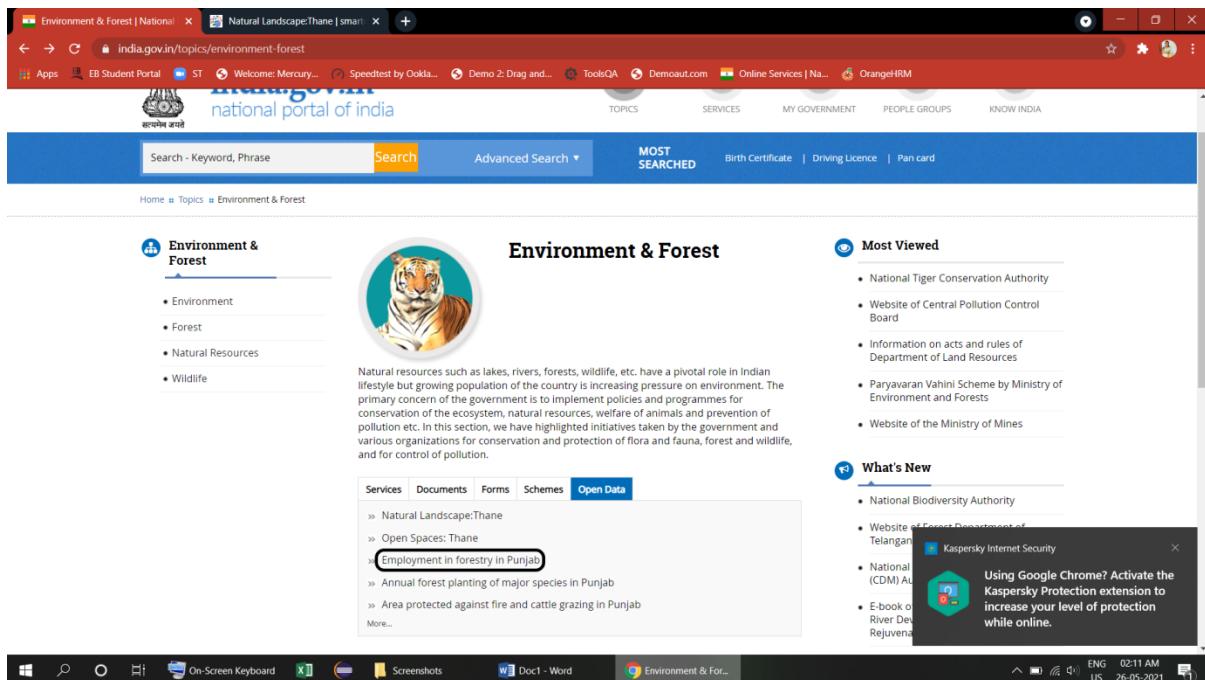
Most Viewed

- National Tiger Conservation Authority
- Website of Central Pollution Control Board
- Information on acts and rules of Department of Land Resources
- Paryavaran Vahini Scheme by Ministry of Environment and Forests
- Website of the Ministry of Mines

What's New

- National Biodiversity Authority
- Website of Forest Department of Telangana Government
- National Clean Development Mechanism (CDM) Authority
- E-book of Ministry of Water Resources River Development and Ganga Rejuvenation

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



The screenshot shows the India Government Portal homepage with the 'Environment & Forest' topic selected. The 'Open Data' tab is active, showing a list of environmental initiatives and schemes. A sidebar on the right lists 'Most Viewed' and 'What's New' content. A Kaspersky Internet Security pop-up window is visible in the bottom right corner.

Environment & Forest

Natural resources such as lakes, rivers, forests, wildlife, etc. have a pivotal role in Indian lifestyle but growing population of the country is increasing pressure on environment. The primary concern of the government is to implement policies and programmes for conservation of the ecosystem, natural resources, welfare of animals and prevention of pollution etc. In this section, we have highlighted initiatives taken by the government and various organizations for conservation and protection of flora and fauna, forest and wildlife, and for control of pollution.

Most Viewed

- National Tiger Conservation Authority
- Website of Central Pollution Control Board
- Information on acts and rules of Department of Land Resources
- Paryavaran Vahini Scheme by Ministry of Environment and Forests
- Website of the Ministry of Mines

What's New

- National Biodiversity Authority
- Website of Forest Department of Telangana Government
- National Clean Development Mechanism (CDM) Authority
- E-book of Ministry of Water Resources River Development and Ganga Rejuvenation

Tc_22- Tc_38:

The screenshot shows the data.gov.in catalog interface. The left sidebar displays 'Catalog Info' for the 'Employment in forestry in Punjab' dataset. It includes details such as the catalog containing data related to management, protection, and extraction of employment in forestry in Punjab. The dataset was released under the National Data Sharing and Accessibility Policy (NDSAP) by the Punjab Planning Department. It has been published on the Data Portal on 16/12/2020. The dataset is categorized under 'Forest' and 'Environment and Forest'. It is available in CSV format, with a file size of 1.8 KB and 8 downloads. The visualization status is NA, and there is no reference URL provided.

Tc_39- Tc_60:

The screenshot shows the main homepage of data.gov.in. On the left, there is a 'QUICK LINKS' section with icons for Catalog, Sectors, Events, Chief Data Officers, Apps Gallery, Metrics, Suggestions, Announcements, Communities, and Visualization. On the right, there is an 'ASSISTIVE LINKS' section with links to About Portal, FAQs, Open Data Sites, Tell A Friend, Terms of Use, Accessibility Statement, Connect With Us, Policies, Help, Link To Us, and Newsletters. A 'Chief Data Officer' section is also present at the bottom left. The top navigation bar includes links for Employment in forestry in Punjab, Natural Landscape Thane, and other government services. The bottom taskbar shows standard Windows icons like Task View, File Explorer, and Start.

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

The screenshot shows the India Government Portal homepage with a blue header bar containing the portal logo, search bar, and navigation links like TOPICS, SERVICES, MY GOVERNMENT, PEOPLE GROUPS, and KNOW INDIA. Below the header, a main content area features a large image of a tiger and the title "Environment & Forest". To the left is a sidebar with a tree icon and a list of categories: Environment, Forest, Natural Resources, and Wildlife. The main content area contains a paragraph about the importance of environmental conservation and a list of open data links under the "Open Data" tab, including "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".

Tc_61- Tc_72:

The screenshot shows the data.gov.in catalog page for the "Annual forest planting of major species in Punjab" dataset. The top navigation bar includes the data.gov.in logo, search bar, and user options like LOG IN | REGISTER. The main content area displays the dataset details: "Forest planting of major species in Punjab from 1968 to 2018" (available as a CSV file), Request API, Granularity: Annual, File Size: 3.1 KB, Download: 3, Visualize: NA, and Reference URL: NA. On the left, there's a "Catalog Info" sidebar with details like the catalog containing data related to eucalyptus, shisham, kikar, khair, mulberry, chil, and other miscellaneous species in Punjab. The dataset was released under the National Data Sharing and Accessibility Policy (NDSAP) by the Punjab Planning Department, Punjab Department of Economic and Statistical Organization, Punjab. It has keywords: eucalyptus, shisham, kikar, khair, Mulberry, chil, species, and is categorized under Environment and Forest. It was published on December 16, 2020.

Tc_73: TO CHECK THE FUNCTIONALITY OF SERVICES BUTTON

The screenshot shows a 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 "Services" button highlighted in blue. The main content area features a tiger icon and text about natural resources. A list of "Tree Felling Permission" links is shown, with the first link circled in red. The right side has sections for "Most Viewed" and "What's New" links.

Tc_74- Tc_79:

This screenshot is identical to the one above, showing the same website layout and the "Services" button highlighted. The "Tree Felling Permission" list is also circled in red.

Tc_80: TO CHECK THE FUNCTIONALITY OF DOCUMENTS BUTTON

The screenshot shows the official website of the Ministry of Environment & Forest (MoEF) at india.gov.in/topics/environment-forest. The main navigation bar includes links for Environment, Forest, Natural Resources, and Wildlife. A sidebar on the left lists these categories. The central content area features a tiger icon and a brief introduction about the importance of natural resources. Below this is a section titled 'Ministry of Environment, Forest & Climate Change' with information about the Cabinet Minister (Shri Prakash Javadekar) and a 'View Profile' link. To the right, there are sections for 'Most Viewed' and 'What's New' news items. At the bottom, there is a toolbar with various application icons and system status indicators.

Tc_81- Tc_85:

This screenshot is identical to the one above, showing the MoEF website at india.gov.in/topics/environment-forest. The 'Documents' button in the top navigation bar is highlighted. A callout box is overlaid on the 'Documents' section of the main content area, specifically highlighting the list of documents available under this category. The rest of the page structure, including the sidebar, ministry information, and news sections, remains the same.

Tc_86: TO CHECK THE FUNCTIONALITY OF FORMS BUTTON:

The screenshot shows the official website of the Ministry of Environment & Forests (MoEF) at india.gov.in/topics/environment-forest. The main content area features a large image of a tiger and a section about the importance of natural resources. Below this, a navigation bar includes 'Services', 'Documents', 'Forms' (which is highlighted with a blue border), 'Schemes', and 'Open Data'. A sidebar on the right is titled 'Most Viewed' and lists links to various government websites. Another sidebar titled 'What's New' also lists recent updates. At the bottom, there is a 'Ministry of Environment, Forest & Climate Change' section with details about the Cabinet Minister (Shri Prakash Javadekar) and a 'Website' link (<http://moef.gov.in/>). The taskbar at the bottom of the screen shows various open applications like On-Screen Keyboard, Screenshots, and eclipse-workspace.

Tc_87- Tc_91:

This screenshot is identical to the one above, showing the MoEF website at india.gov.in/topics/environment-forest. The 'Forms' button in the navigation bar is again highlighted with a blue border. The rest of the page content, including the tiger image, the main text about natural resources, the sidebar links, and the ministry details, remains the same. The taskbar at the bottom is also identical, showing the same set of open applications.

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 containing various links and icons. Below the header is the national emblem and the text "india.gov.in national portal of india". A search bar with "Search - Keyword, Phrase" and a "Search" button is present. To the right of the search bar are buttons for "TOPICS", "SERVICES", "MY GOVERNMENT", "PEOPLE GROUPS", and "KNOW INDIA". Below the search bar, there are links for "Birth Certificate", "Driving Licence", and "Pan card". The main content area has a blue header "Environment & Forest" with a tiger icon. On the left, a sidebar lists "Environment", "Forest", "Natural Resources", and "Wildlife". The central content area contains a paragraph about the importance of environmental conservation and links to feedback forms for ENVIS Centre of Nagaland, Forest Department of Madhya Pradesh, Ministry of Environment and Forests, and Ministry of Earth Sciences seminars application form. To the right, a "Most Viewed" section lists links to the National Tiger Conservation Authority, Central Pollution Control Board, Department of Land Resources, Paryavaran Vahini Scheme, and the Ministry of Mines. A "What's New" section lists 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 shows the same India.gov.in environment and forest page as the previous one, but with a different visual layout. The "Most Viewed" and "What's New" sections are enclosed in rounded rectangular boxes. The rest of the page content, including the sidebar and central text, appears identical to the first screenshot.

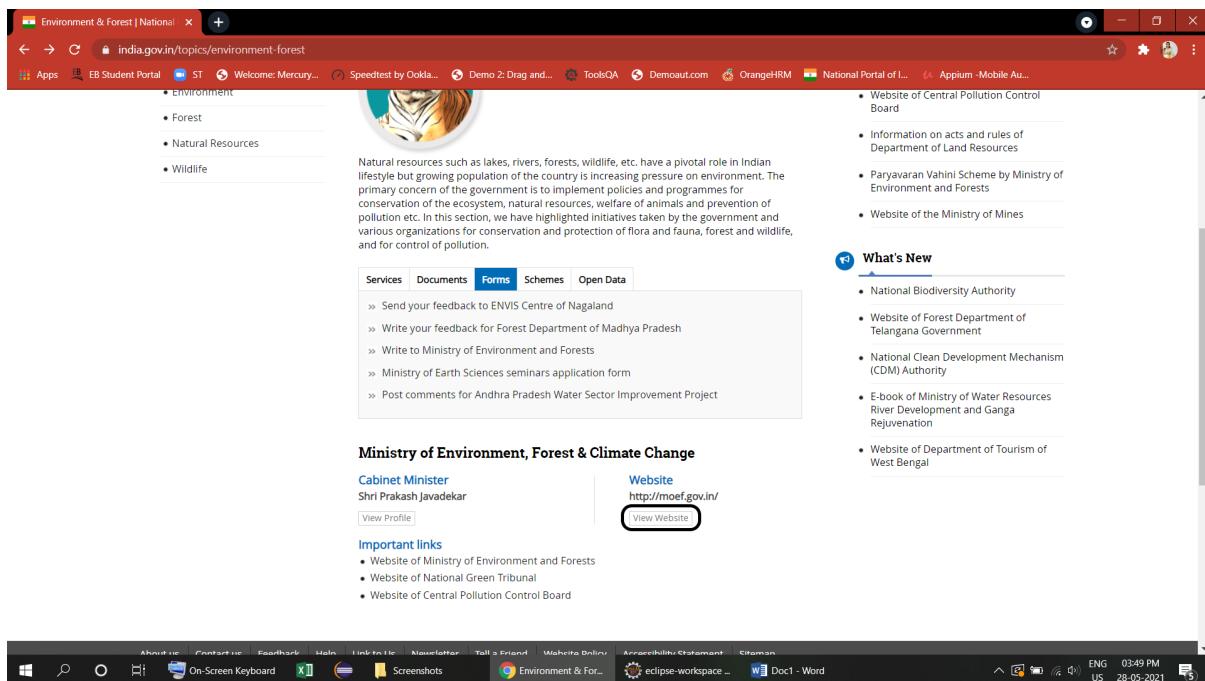
Tc_10 1- Tc_10 5: TO CHECK THE FUNCTIONALITIES OF WHAT'S NEW LINKS

The screenshot shows the official Indian government website for Environment & Forest. The main header features the Indian flag and the text "Environment & Forest". Below the header, there's a sidebar with a tiger icon and a navigation menu for "Environment & Forest" with categories like Environment, Forest, Natural Resources, and Wildlife. The main content area has a heading "Environment & Forest" and a paragraph about the importance of natural resources. A "Forms" tab is selected in a navigation bar. On the right, there are two sections: "Most Viewed" and "What's New". The "What's New" section is highlighted with a black border and lists links such as National Biodiversity Authority, Website of Forest Department of Telangana Government, National Clean Development Mechanism (CDM) Authority, E-book of Ministry of Water Resources River Development and Ganga Rejuvenation, and Website of Department of Tourism of West Bengal.

Tc_10 6: TO CHECK THE FUNCTIONALITY OF VIEW PROFILE BUTTON

This screenshot shows the same website as above, but with a specific focus on the "Cabinet Minister" profile. The "View Profile" button for Shri Prakash Javadekar is circled in red. The rest of the page content, including the sidebar, main text, and "What's New" section, appears identical to the previous screenshot.

Tc_107: TO CHECK THE FUNCTIONALITY OF VIEW WEBSITE BUTTON



Natural resources such as lakes, rivers, forests, wildlife, etc. have a pivotal role in Indian lifestyle but growing population of the country is increasing pressure on environment. The primary concern of the government is to implement policies and programmes for conservation of the ecosystem, natural resources, welfare of animals and prevention of pollution etc. In this section, we have highlighted initiatives taken by the government and various organizations for conservation and protection of flora and fauna, forest and wildlife, and for control of pollution.

Services Documents Forms Schemes Open Data

- > 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
- > Post comments for Andhra Pradesh Water Sector Improvement Project

Ministry of Environment, Forest & Climate Change

Cabinet Minister
Shri Prakash Javadekar
[View Profile](#)

Website
<http://moef.gov.in/>
[View Website](#)

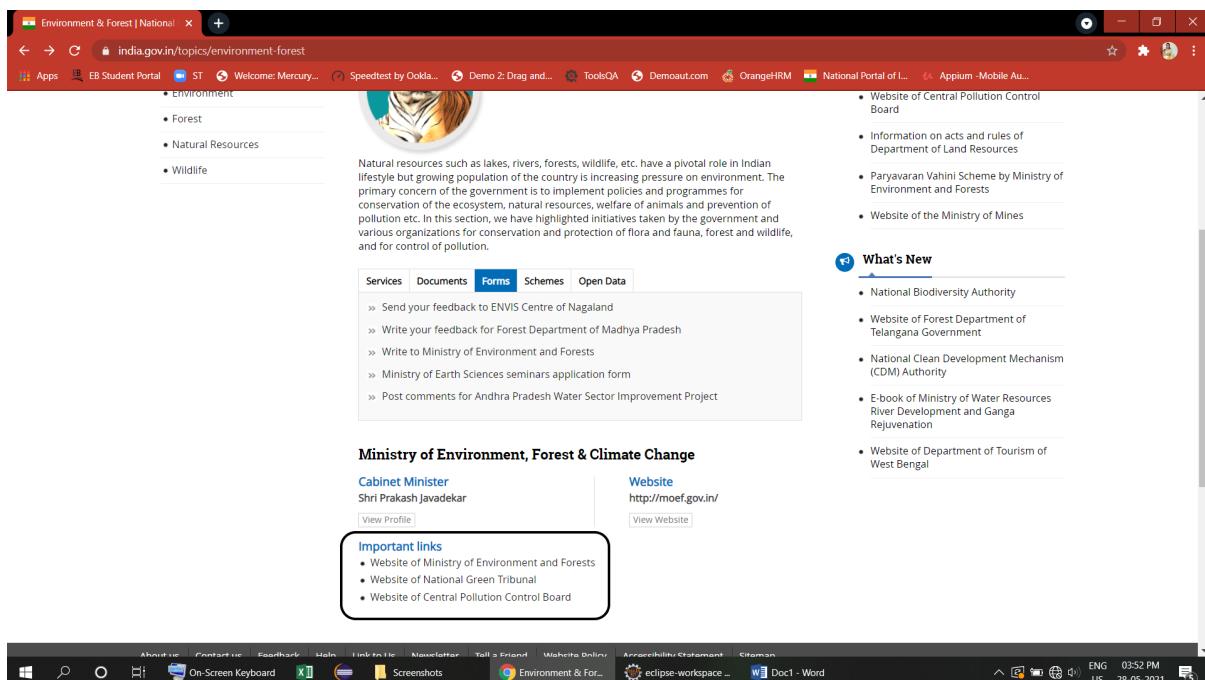
Important links

- Website of Ministry of Environment and Forests
- Website of National Green Tribunal
- Website of Central Pollution Control Board

What's New

- National Biodiversity Authority
- Website of Forest Department of Telangana Government
- National Clean Development Mechanism (CDM) Authority
- E-book of Ministry of Water Resources River Development and Ganga Rejuvenation
- Website of Department of Tourism of West Bengal

Tc_108- Tc_110: TO CHECK THE FUNCTIONALITY OF IMPORTANT LINKS



Natural resources such as lakes, rivers, forests, wildlife, etc. have a pivotal role in Indian lifestyle but growing population of the country is increasing pressure on environment. The primary concern of the government is to implement policies and programmes for conservation of the ecosystem, natural resources, welfare of animals and prevention of pollution etc. In this section, we have highlighted initiatives taken by the government and various organizations for conservation and protection of flora and fauna, forest and wildlife, and for control of pollution.

Services Documents Forms Schemes Open Data

- > 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
- > Post comments for Andhra Pradesh Water Sector Improvement Project

Ministry of Environment, Forest & Climate Change

Cabinet Minister
Shri Prakash Javadekar
[View Profile](#)

Website
<http://moef.gov.in/>
[View Website](#)

Important links

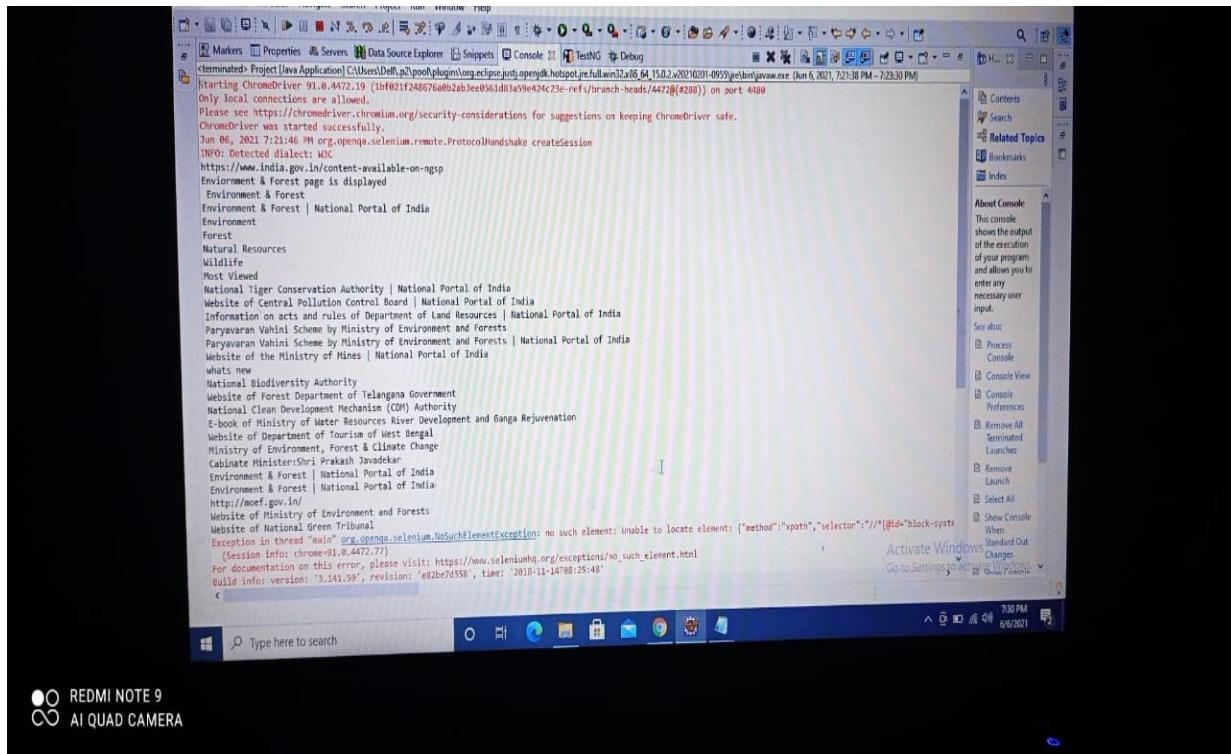
- Website of Ministry of Environment and Forests
- Website of National Green Tribunal
- Website of Central Pollution Control Board

What's New

- National Biodiversity Authority
- Website of Forest Department of Telangana Government
- National Clean Development Mechanism (CDM) Authority
- E-book of Ministry of Water Resources River Development and Ganga Rejuvenation
- Website of Department of Tourism of West Bengal

OUTPUT:

1. Console



The screenshot shows the Eclipse IDE interface with the TestNG perspective selected. The central area is the TestNG Console, which displays the following text:

```
Starting ChromeDriver: 91.0.4472.19 (1bf021f248676a0b2ab3ee0561d03459424c23e-refs/branch-heads/4472@{#288}) on port 4460
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping Chromedriver safe.
Chromedriver was started successfully.
Jun 06, 2021 7:21:46 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
https://www.india.gov.in/content-available-on-ngsp
Environment & Forest page is displayed
Environment & Forest
Environment & Forest | National Portal of India
Environment
Forest
Natural Resources
Wildlife
Most Viewed
National Tiger Conservation Authority | National Portal of India
Website of Central Pollution Control Board | National Portal of India
Information on acts and rules of Department of Land Resources | National Portal of India
Parivartan Vahini Scheme by Ministry of Environment and Forests
Parivartan Vahini Scheme by Ministry of Environment and Forests | National Portal of India
Website of the Ministry of Mines | National Portal of India
whats new
National Biodiversity Authority
Website of Forest Department of Telangana Government
National Clean Development Mechanism (CDM) Authority
E-book of Ministry of Water Resources River Development and Ganga Rejuvenation
Website of Department of Tourism of West Bengal
Ministry of Environment, Forest & Climate Change
Cabinet Minister Shri Prakash Javadekar
Environment & Forest | National Portal of India
Environment & Forest | National Portal of India
http://moef.gov.in/
Website of Ministry of Environment and Forests
Website of National Green Tribunal
Exception in thread "main" org.openqa.selenium.NoSuchElementException: no such element: Unable to locate element: {"method":"xpath","selector":"//*[@id='block-system-main']"
(Session info: chrome=91.0.4472.19)
For documentation on this error, please visit: https://www.seleniumhq.org/exceptions/no_such_element.html
Build info: version: '3.141.59', revision: 'e82be7d358', time: '2018-11-14T00:25:40'
```

The right-hand sidebar contains the Eclipse Help menu with options like Contents, Search, Related Topics, Bookmarks, Index, About Console, and various selection and search tools.