

PROJECT REPORT ON
AUTOMATION TESTING USING SELENIUM WEBDRIVER ON “INDIA.GOV.IN” WEBSITE.

BY

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UNDER THE GUIDANCE OF

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INTRODUCTION

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.

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.

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]/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();
```

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[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
Organizatio')]")).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[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]/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(),'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();
```



```
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[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[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[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 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]/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[@id='mega-
container']/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[@id='mega-
container']/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 diaplyed");
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[@id='mega-
container']/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[@id='mega-
container']/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[1]/div[9]/div[1]/div[1]/section[1]
/div[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[1]/div[2]/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[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[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]/section[1]/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]/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]/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.


```
w.findElement(By.xpath("//a[contains(text(),'Demands for Grants, Ministry of Environment,
Fores')]")).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 &
Fores')]")).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[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]")).cli
ck();
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 Madhy')]")).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]/section[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]/section[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.

```
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]/section[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[1]/div[3]/a[1]")).click();
w.navigate().back();
```

[illegible][illegible]

31 | Page

//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/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/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.

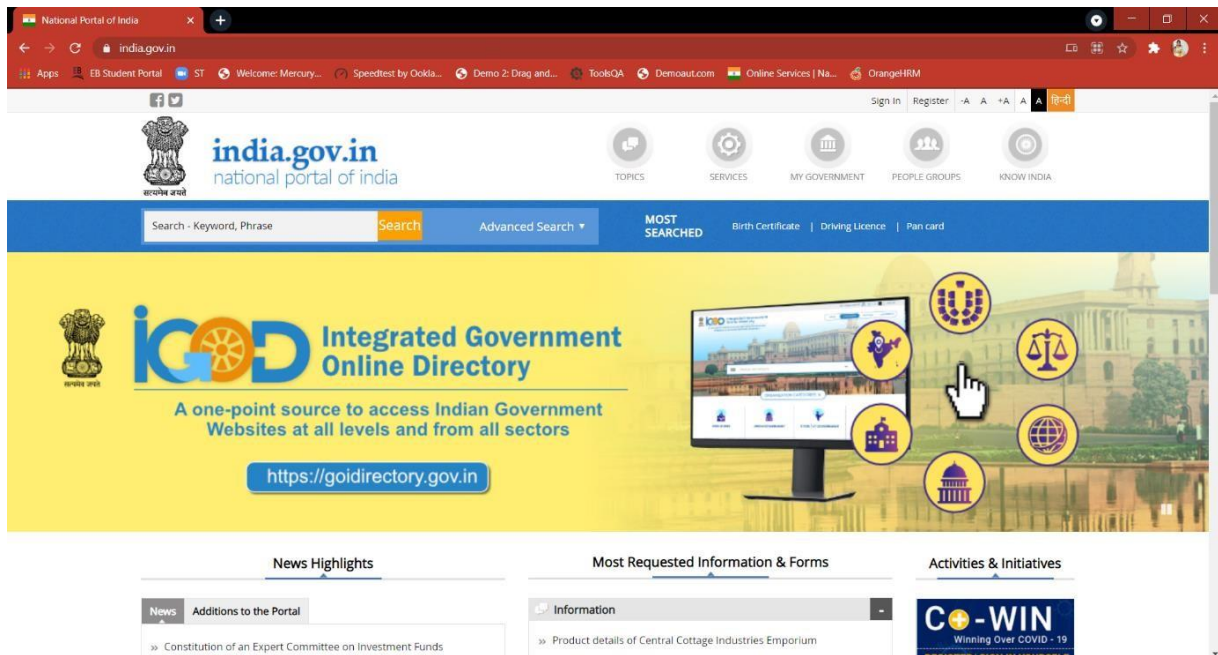
```
w.findElement(By.xpath("//*[@id=\"block-system-main\"]/div/div[2]/div/div[5]/div/div/div/div/div/div/span/div[2]/div[3]/ul/li[2]")).click();
System.out.println("Website of National Green Tribunal");
w.navigate().back();
Thread.sleep(2000);
```

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

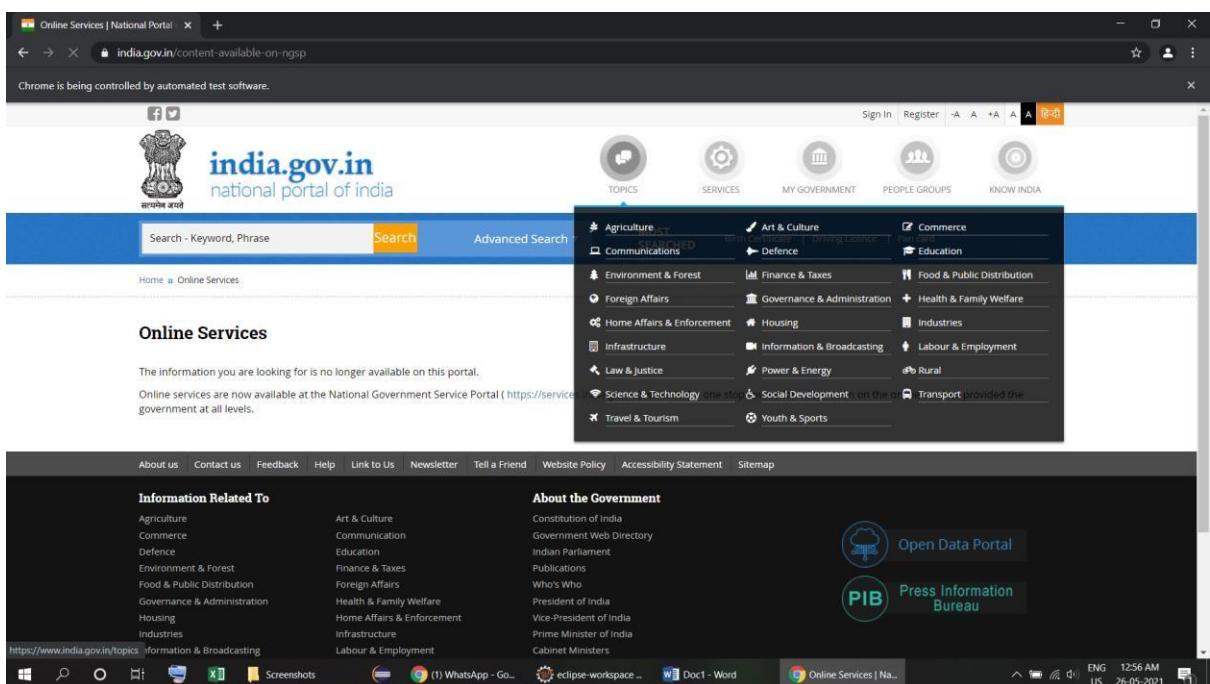
```
w.findElement(By.xpath("//body/div[@id='main']/main[@id='content-  
column']/div[2]/div[1]/section[1]/div[1]/div[1]/div[1]/div[1]/div[2]/div[1]/div[5]/div[1]/div[1]/  
div[1]/div[1]/div[1]/div[1]/span[1]/div[2]/div[3]/ul[1]/li[3]/a[1]")).click();  
System.out.println("Website of Central Pollution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

SCREENSHOTS

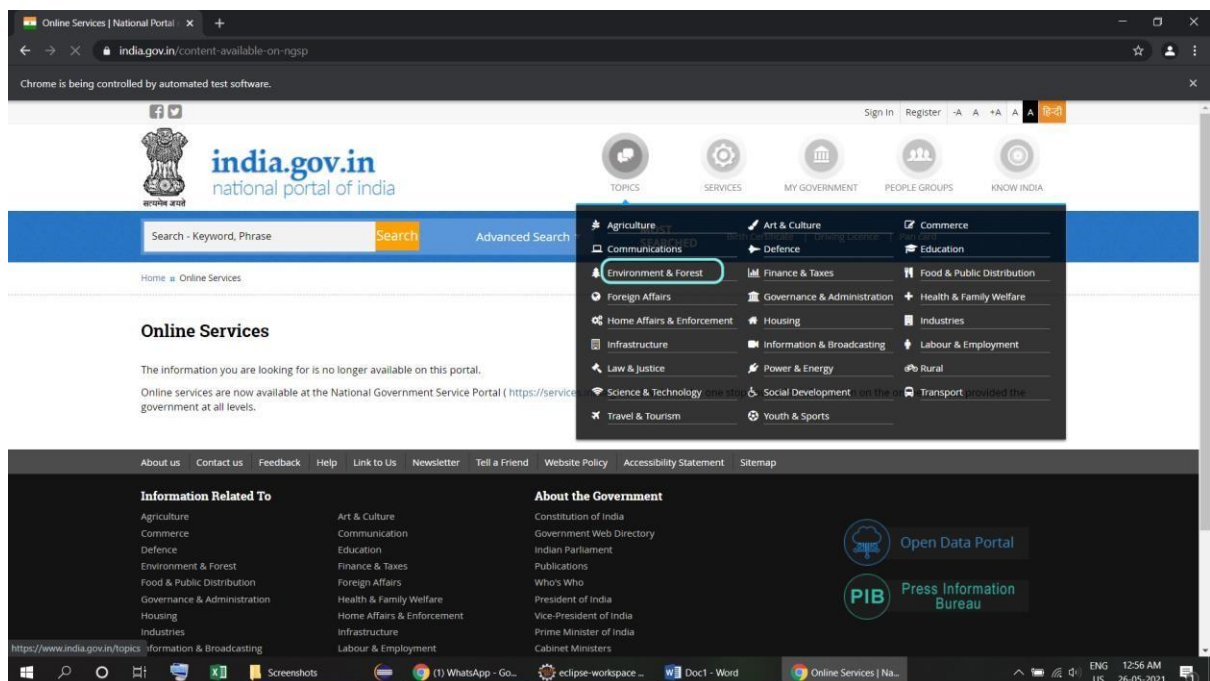
Tc_01: LAUNCH THE BROWSER.



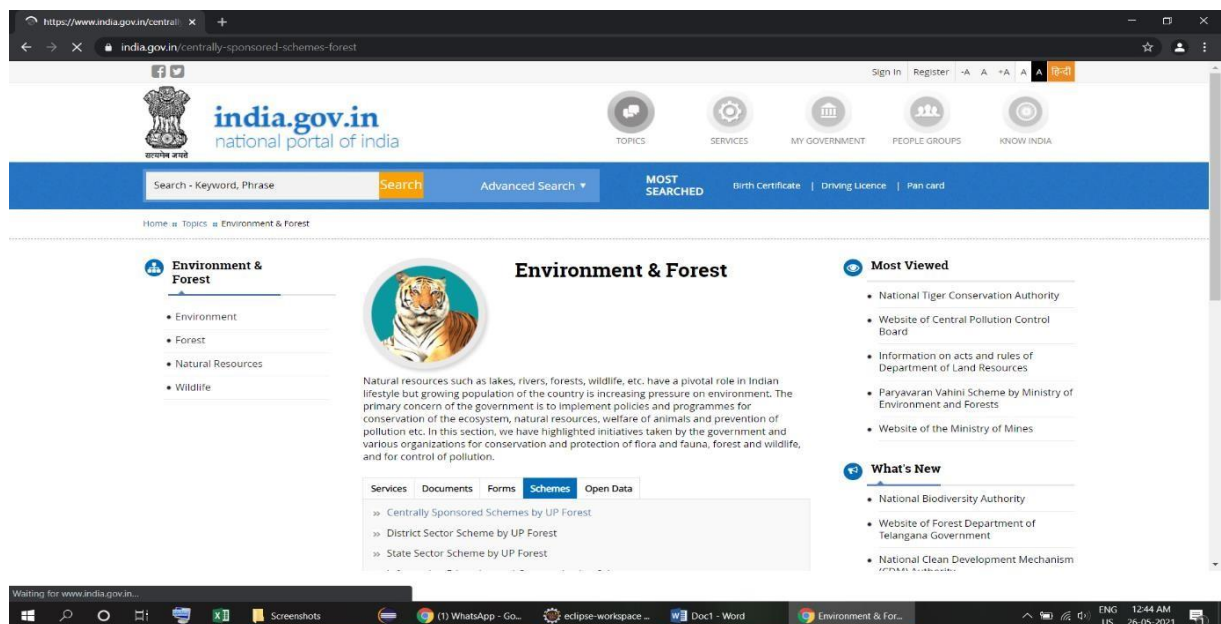
Tc_02: CHECK THE FUNCTIONALITY OF TOPICS TAB.



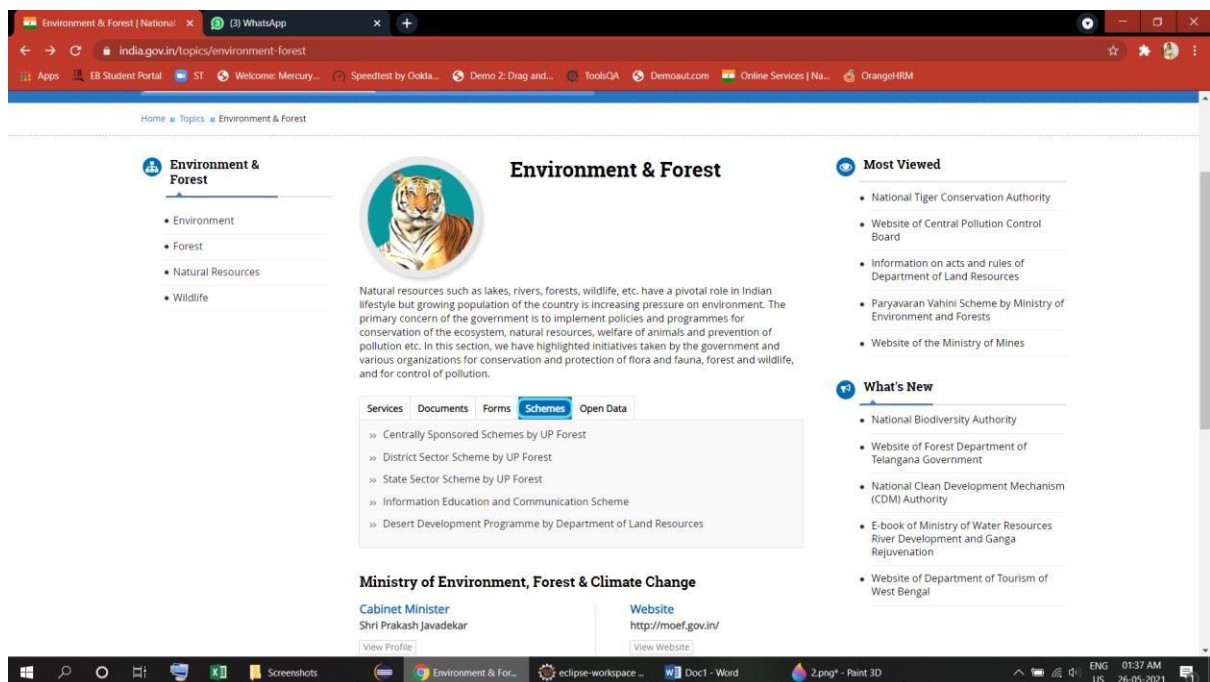
Tc_03: To CHECK THE FUNCTIONALITY OF ENVIRONMENT AND FOREST TAB.



ENVIRONMENT AND FOREST PAGE IS DISPLAYED.



Tc_04: To CHECK THE FUNCTIONALITY OF SCHEMES BUTTON.



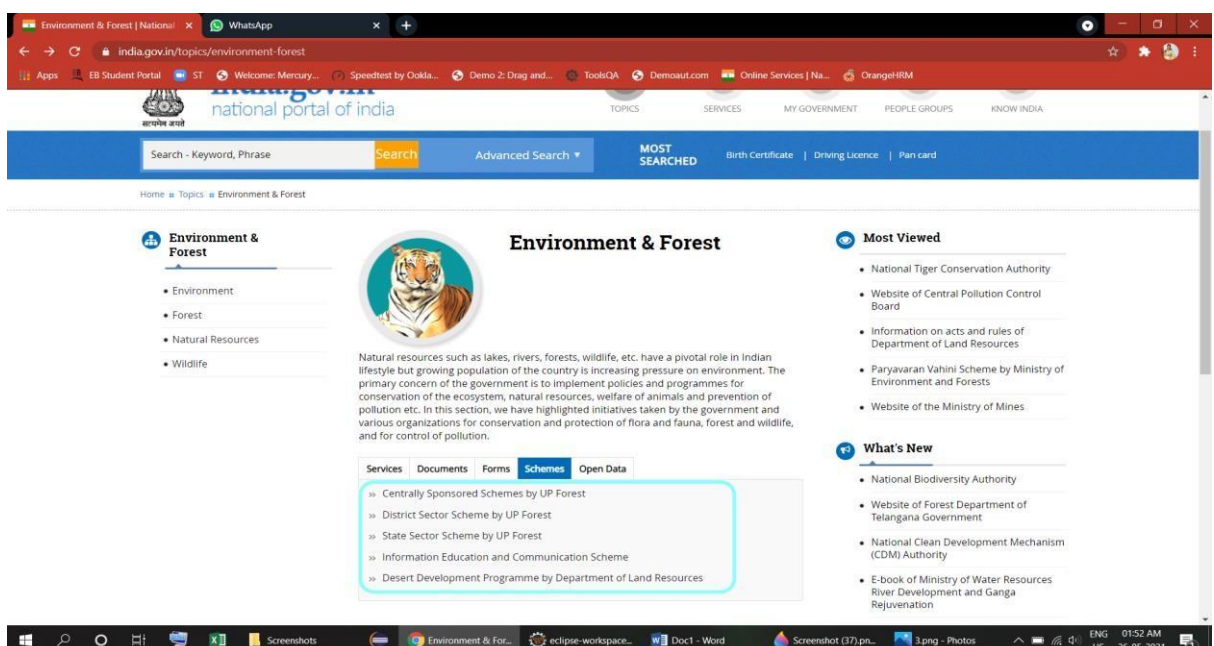
Tc_05: To CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-1ST LINK.

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

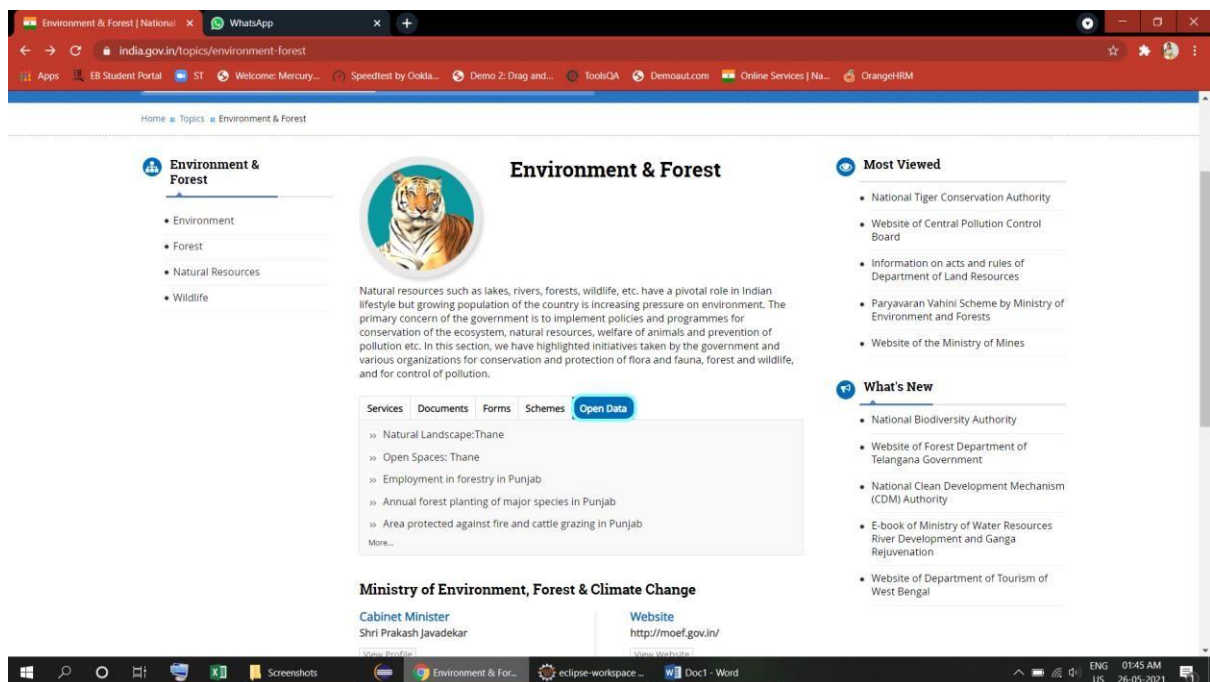
Tc_07: To CHECK THE FUNCTIONALITY OF SCHEMES BUTTON-3RD LINK.

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

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

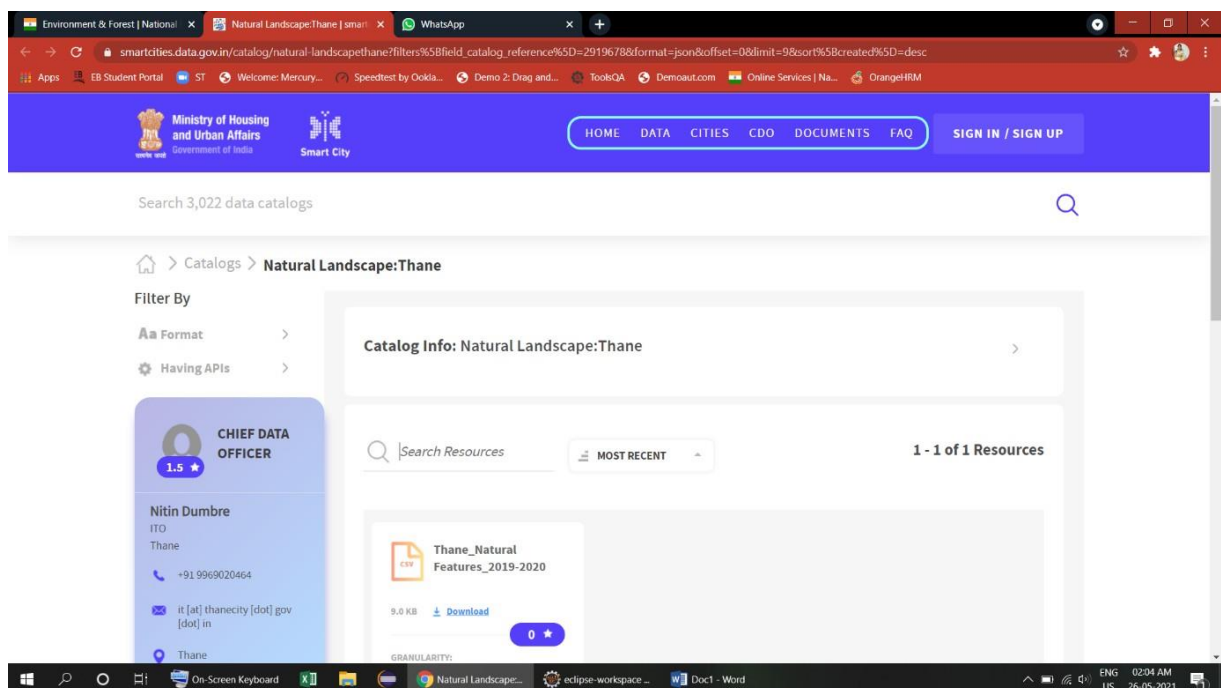


Tc_10: To CHECK THE FUNCTIONALITY OF OPEN DATA BUTTON.

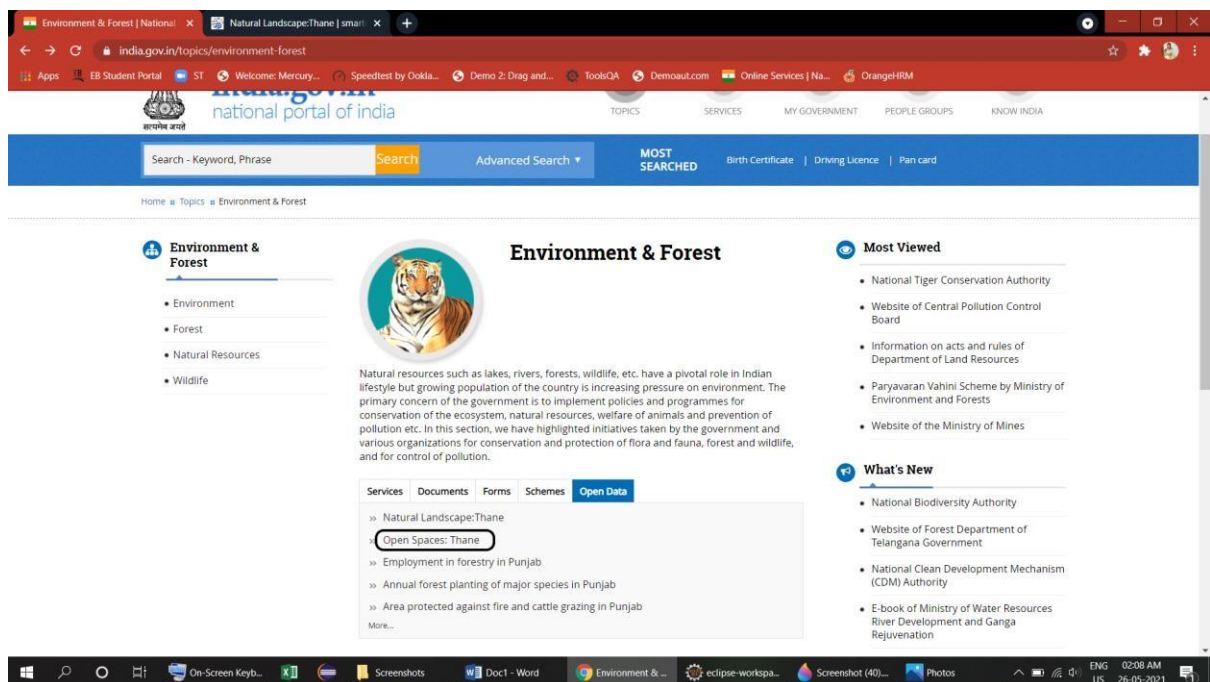


Tc_11: To CHECK THE FUNCTIONALITY OF OPEN DATA-1ST LINK.

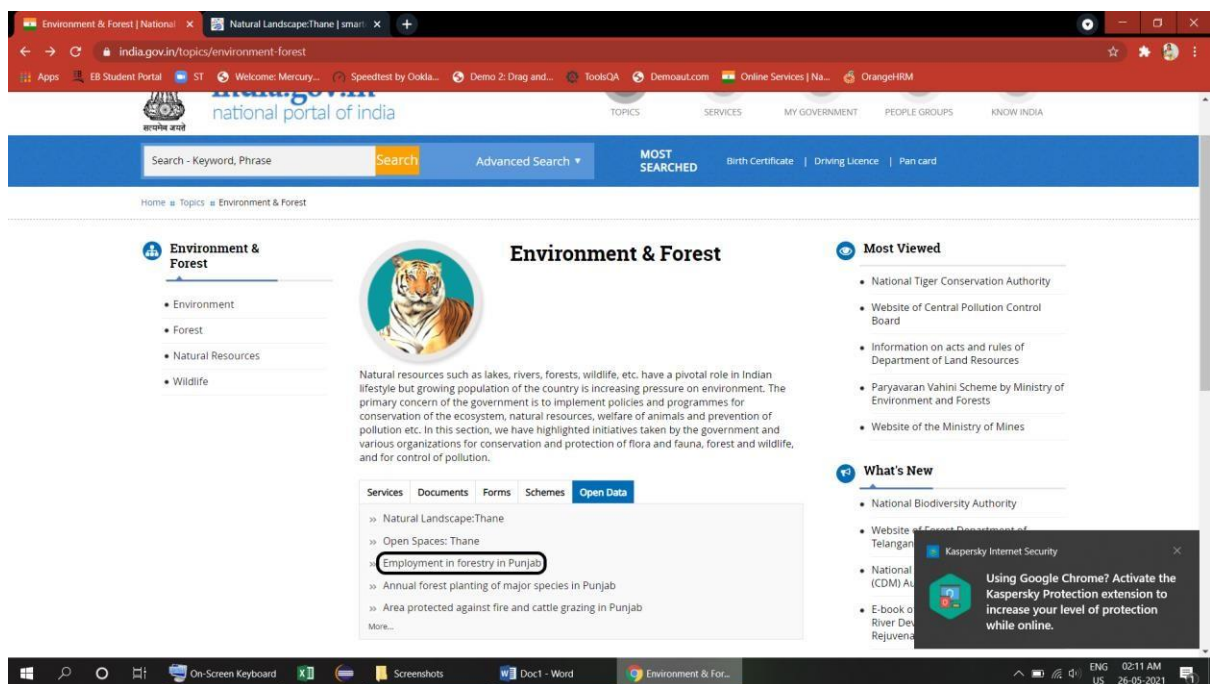
Tc_12-Tc_19:



Tc_20: To check the functionality of OPEN DATA-2ND LINK.



Tc_21: To check the functionality of OPEN DATA-3RD LINK.



Tc_22-Tc_38:

The screenshot shows the data.gov.in website interface. The browser address bar displays the URL: `data.gov.in/catalog/employment-forestry-punjab?filters%5Bfield_catalog_reference%5D=6819062&format=json&offset=0&limit=6&sort%5Bcreated%5D=desc`. The page header features the data.gov.in logo and a search bar. Below the header, the page title is "Employment in forestry in Punjab". A "Catalog Info" box is highlighted on the left, containing the following information:

- The catalog contains the data related to management, protection and extraction employment in forestry in Punjab.
- Released Under: National Data Sharing and Accessibility Policy (NDSAP)
- Contributor: Punjab Planning Department, Punjab Department of Economic and Statistical Organization, Punjab
- Keywords: Protection, Extraction, Employment, Forestry
- Group: Forest
- Sectors: Environment and Forest
- Published on Data Portal: 16/12/2020
- Source: Open Government Data Portal Punjab

The main content area shows a list of resources, with the first resource being "Employment in Forestry in Punjab from 1968 to 2018". This resource is a CSV file with a size of 1.8 KB and 8 downloads. The page also includes a "Chief Data Officer" section at the bottom.

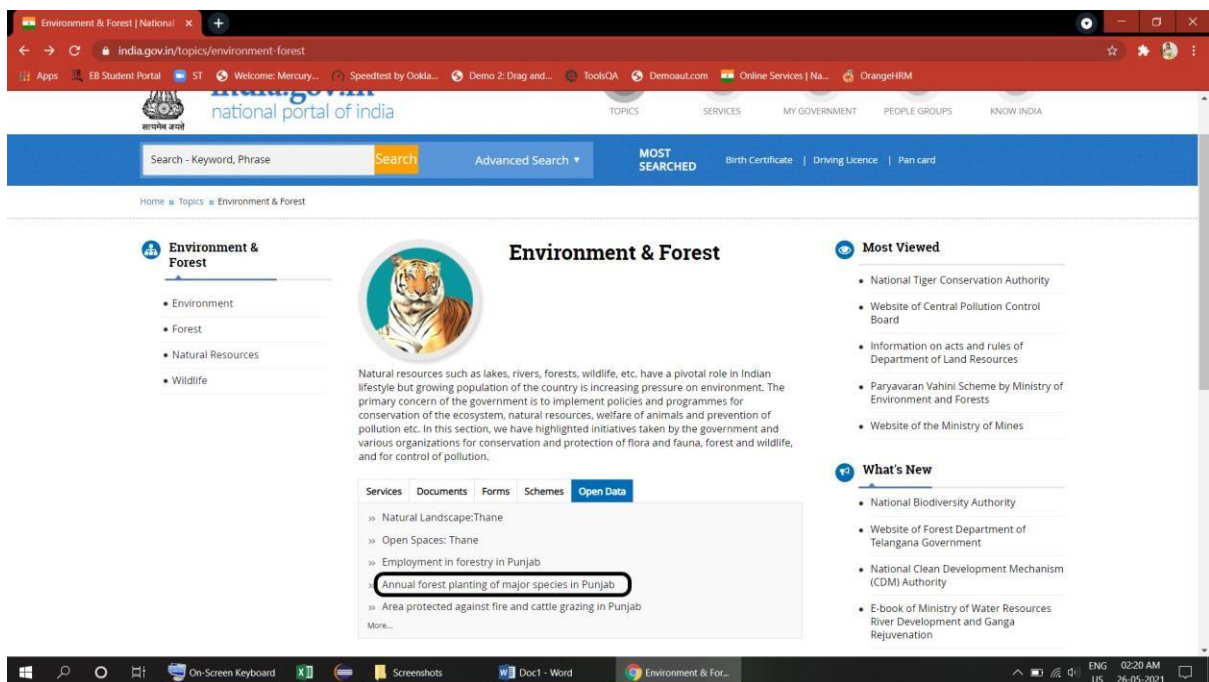
Tc_39-Tc_60:

The screenshot shows the data.gov.in website interface. The browser address bar displays the URL: `data.gov.in/catalog/employment-forestry-punjab?filters%5Bfield_catalog_reference%5D=6819062&format=json&offset=0&limit=6&sort%5Bcreated%5D=desc`. The page header features the data.gov.in logo and a search bar. Below the header, the page title is "Employment in forestry in Punjab". A "QUICK LINKS" section is highlighted on the left, containing the following links:

- CATALOG
- SECTORS
- EVENTS
- CHIEF DATA OFFICERS
- APPS GALLERY
- METRICS
- SUGGESTIONS
- ANNOUNCEMENTS
- COMMUNITIES
- VISUALIZATION

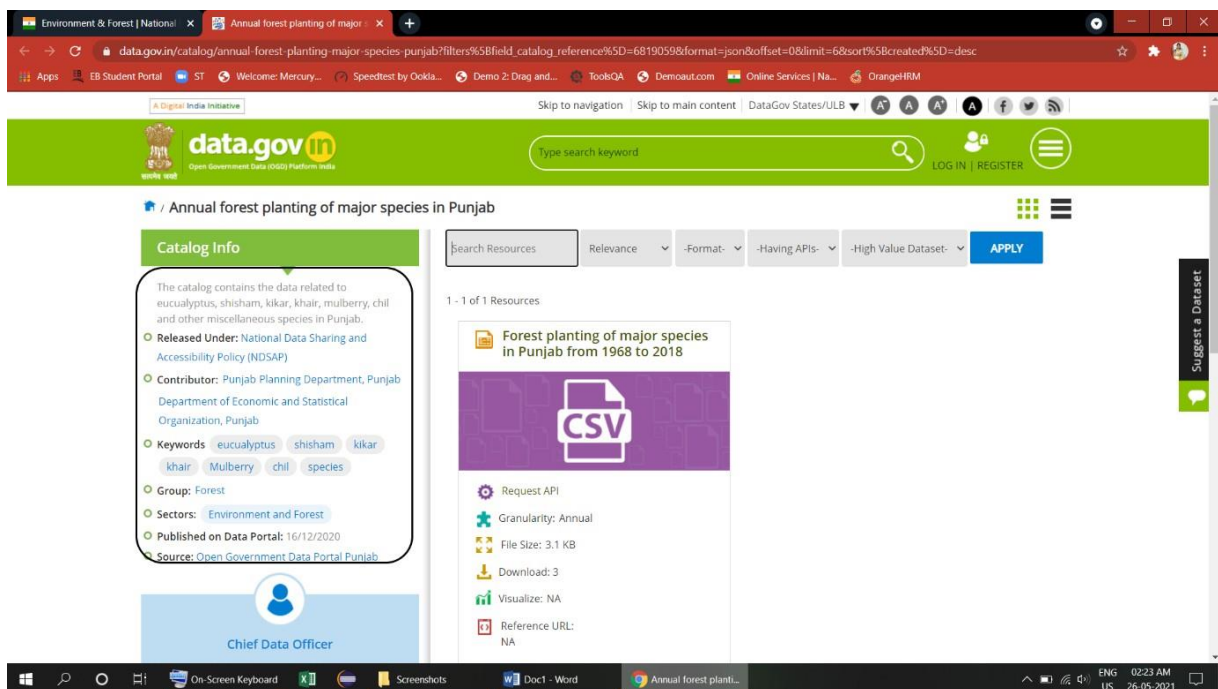
The main content area shows a list of resources, with the first resource being "Employment in Forestry in Punjab from 1968 to 2018". This resource is a CSV file with a size of 1.8 KB and 8 downloads. The page also includes a "Chief Data Officer" section at the bottom.

Tc_61: To check the functionality of OPEN DATA-4TH LINK.



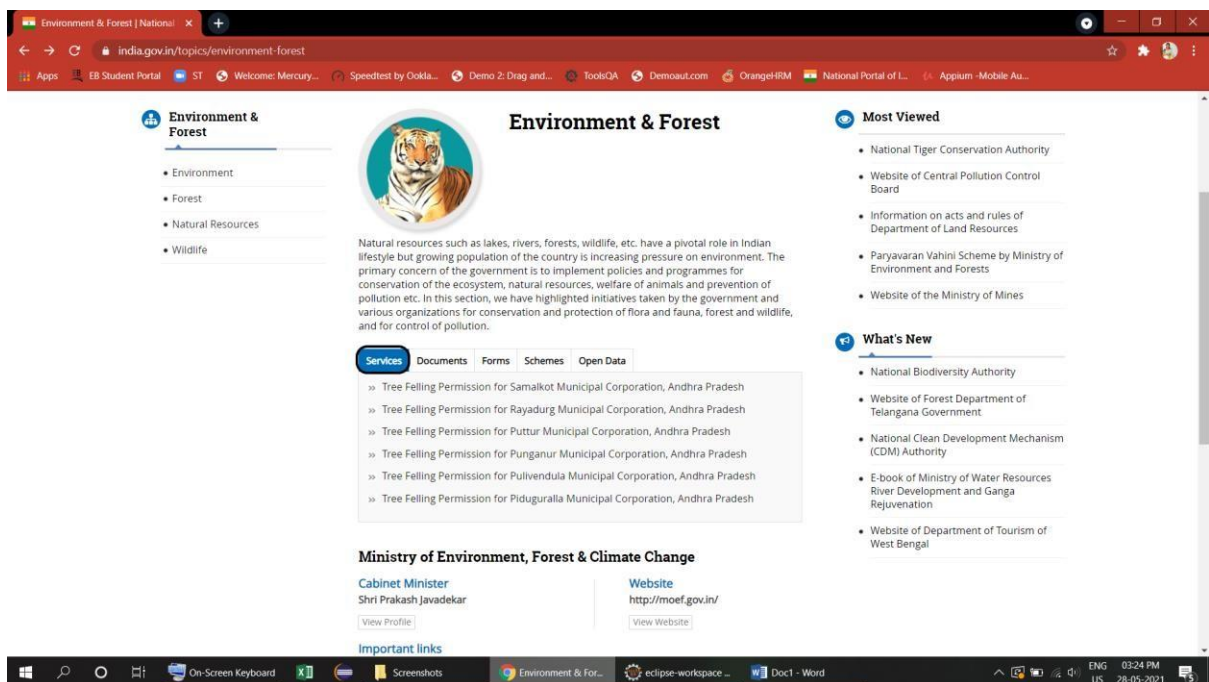
The screenshot shows the 'Environment & Forest' section of the National Portal of India. The page features a search bar, a sidebar with navigation links (Environment, Forest, Natural Resources, Wildlife), and a main content area with a tiger icon and descriptive text. A 'Services' tab is active, displaying a list of links including 'Natural Landscape:Thane', 'Open Spaces: Thane', 'Employment in forestry in Punjab', 'Annual forest planting of major species in Punjab' (highlighted with a red box), and 'Area protected against fire and cattle grazing in Punjab'. The 'Most Viewed' and 'What's New' sections are also visible on the right.

Tc_61-Tc_72:

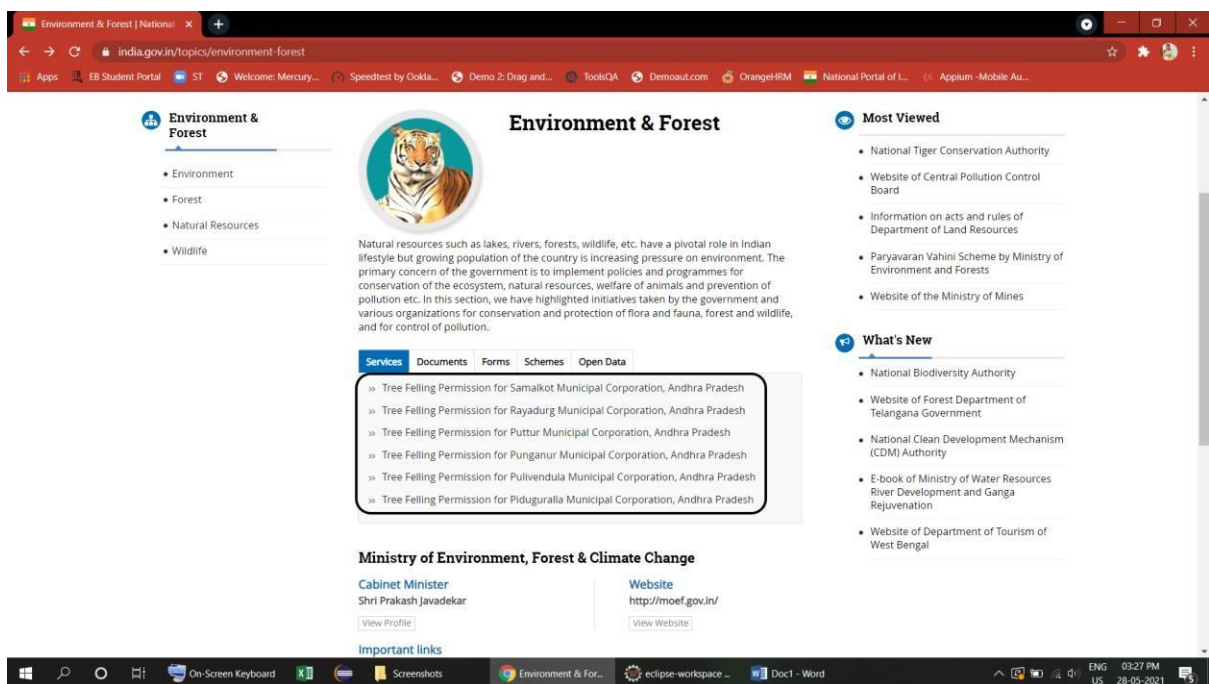


The screenshot shows the 'data.gov.in' catalog page for the dataset 'Annual forest planting of major species in Punjab'. The page includes a search bar, a 'Catalog Info' sidebar, and a main content area with a 'Forest planting of major species in Punjab from 1968 to 2018' dataset card. The 'Catalog Info' sidebar contains details such as 'Released Under: National Data Sharing and Accessibility Policy (NDSAP)', 'Contributor: Punjab Planning Department, Punjab', 'Keywords: eucalyptus, shisham, khar, mulberry, chil, species', 'Group: Forest', 'Sectors: Environment and Forest', and 'Published on Data Portal: 16/12/2020'. The dataset card shows a CSV file icon, a 'Request API' button, and metadata like 'Granularity: Annual', 'File Size: 3.1 KB', 'Download: 3', 'Visualize: NA', and 'Reference URL: NA'.

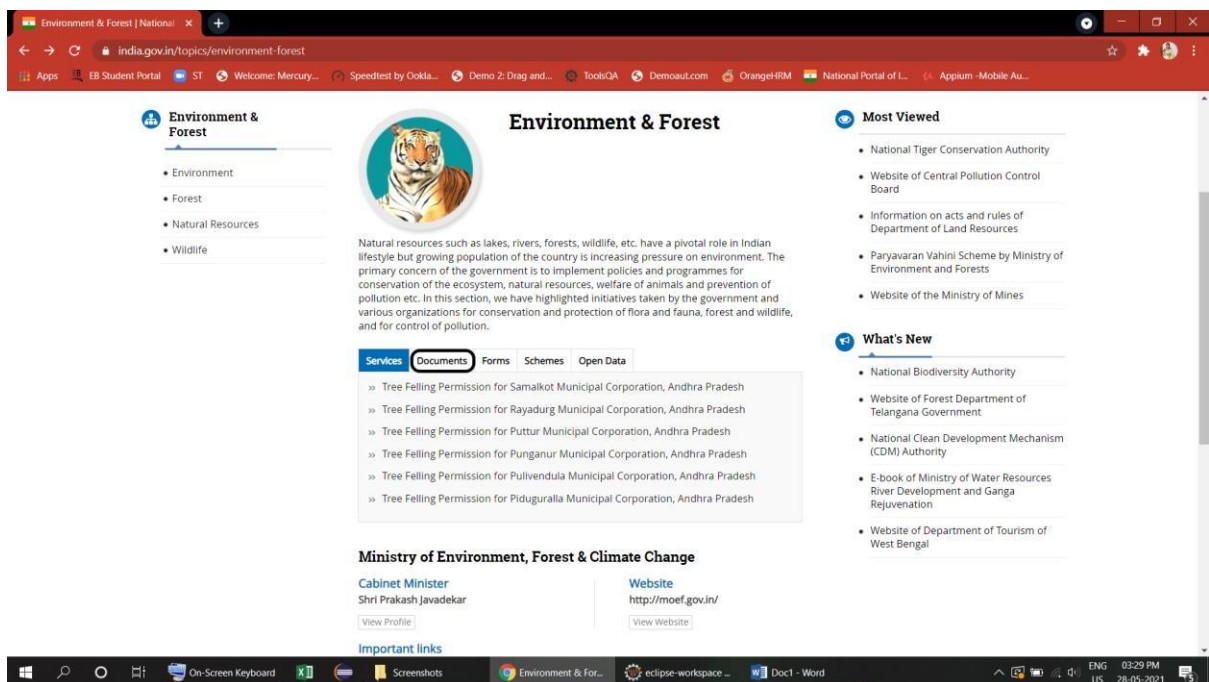
Tc_73: To CHECK THE FUNCTIONALITY OF SERVICES BUTTON



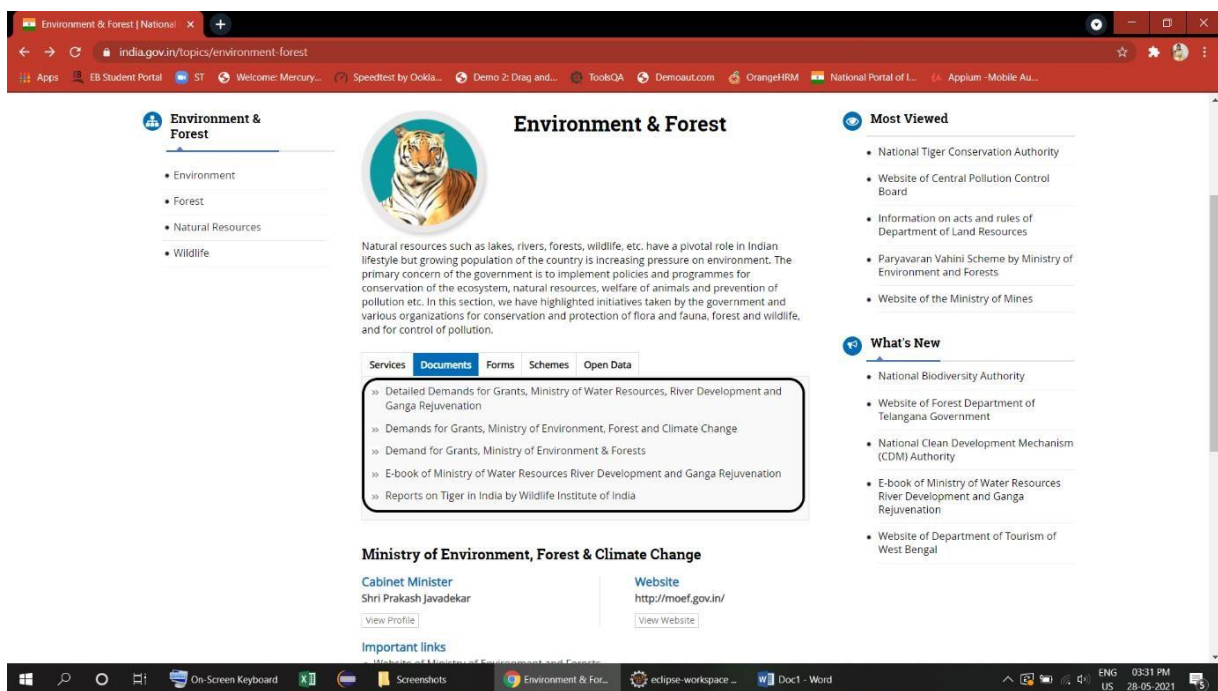
Tc_74-Tc_79:



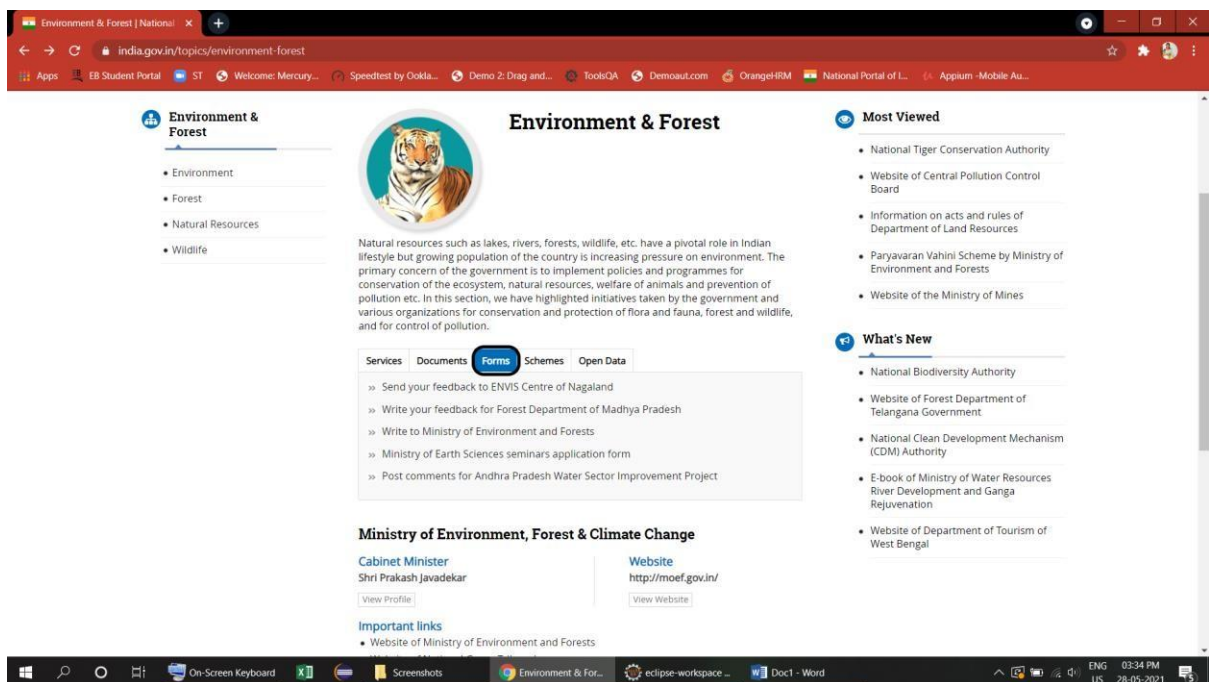
Tc_80: To CHECK THE FUNCTIONALITY OF DOCUMENTS BUTTON



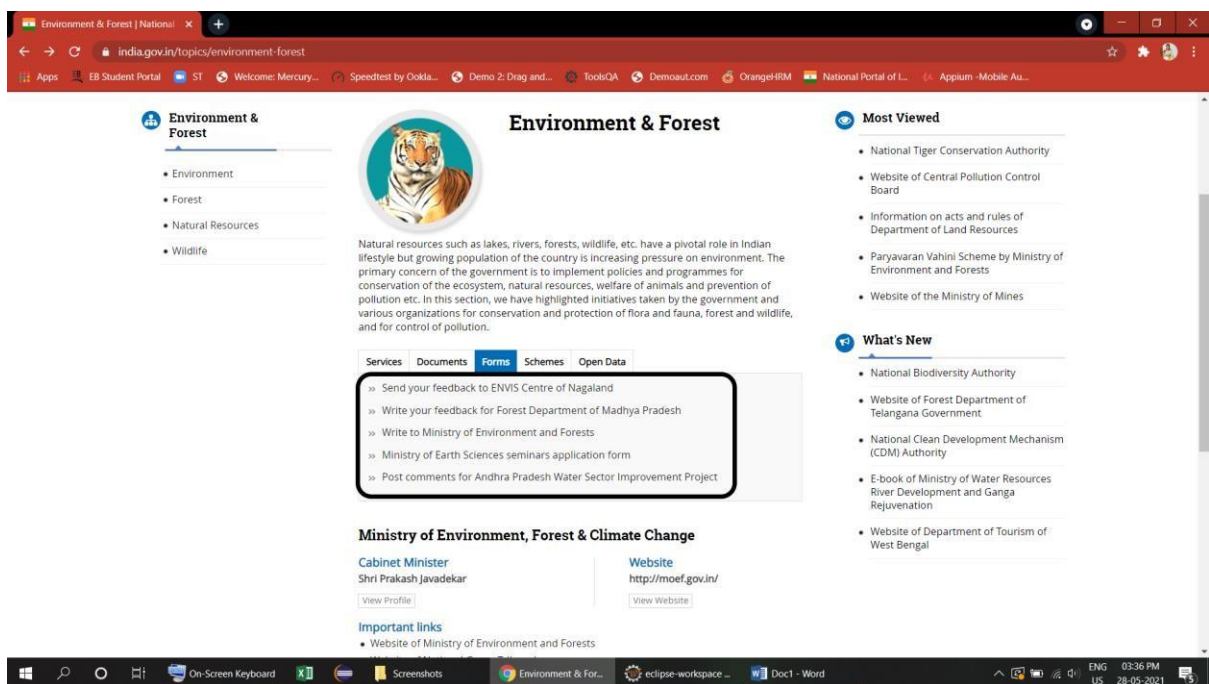
Tc_81-Tc_85:



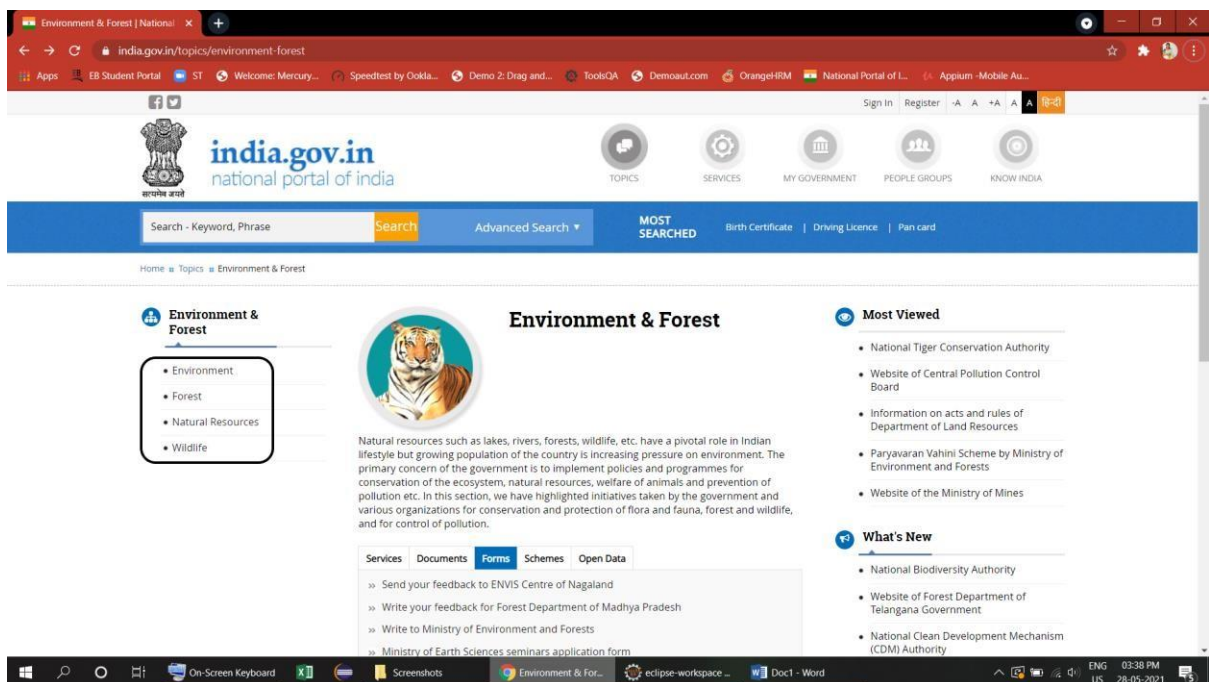
Tc_86: To CHECK THE FUNCTIONALITY OF FORMS BUTTON:



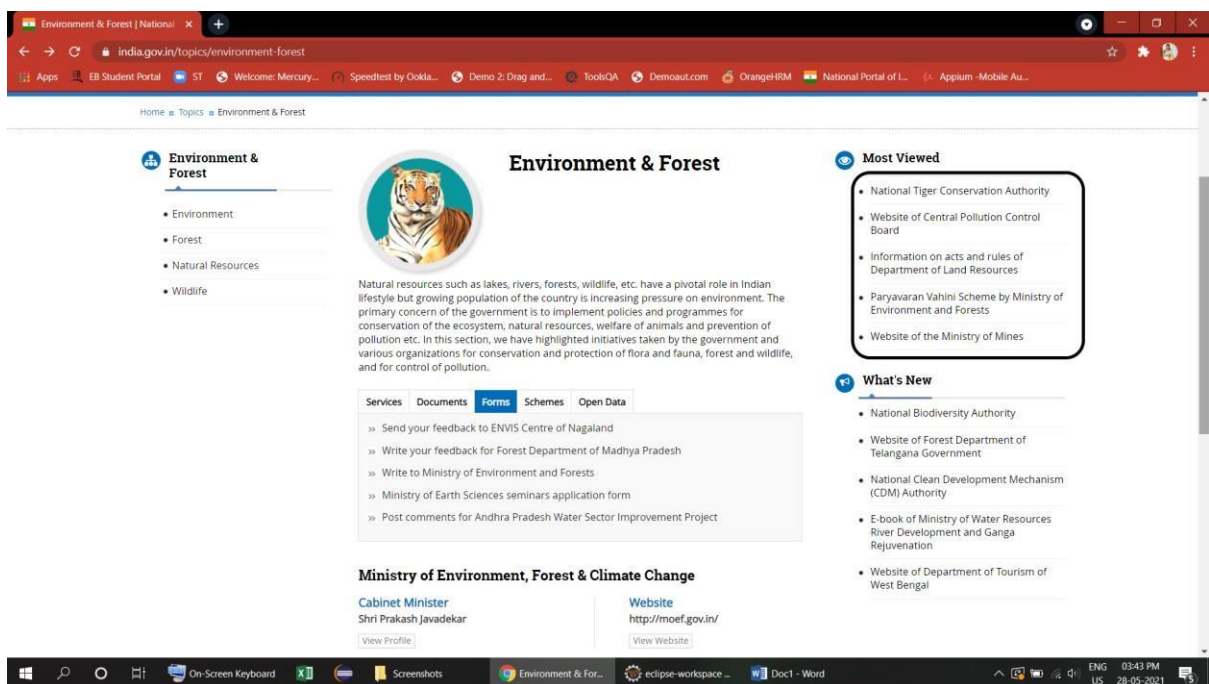
Tc_87-Tc_91:



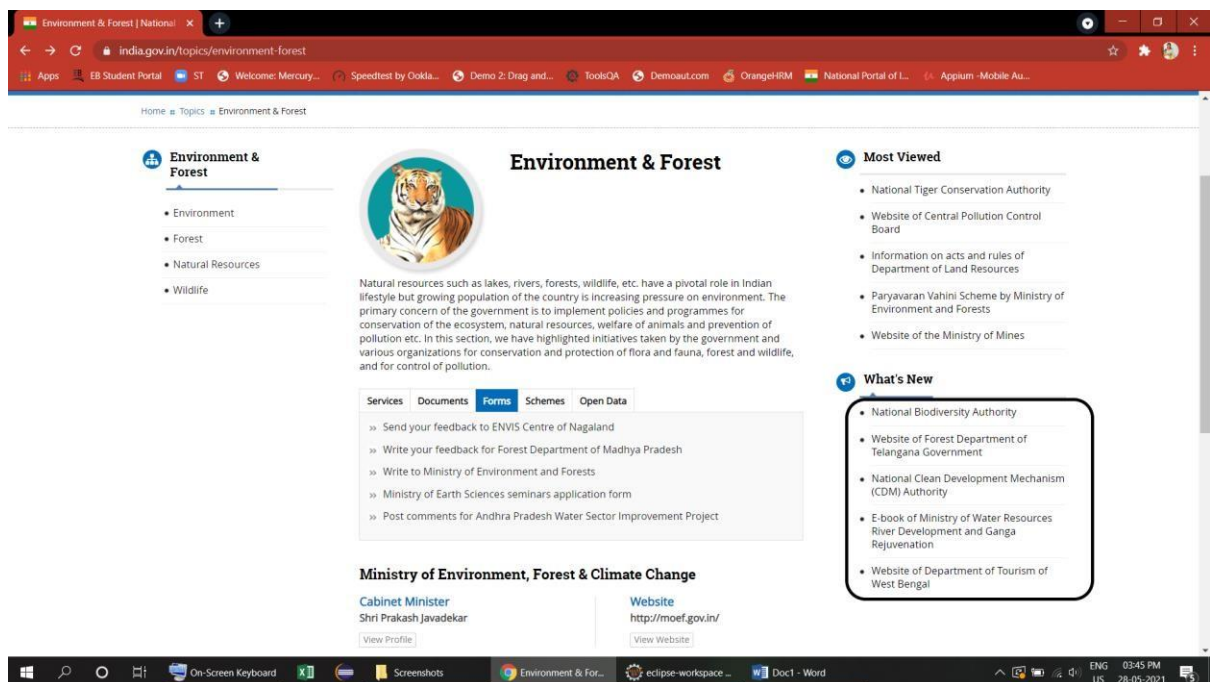
Tc_92-Tc_95: To CHECK THE FUNCTIONALITIES OF ENVIRONMENT AND FOREST LINKS



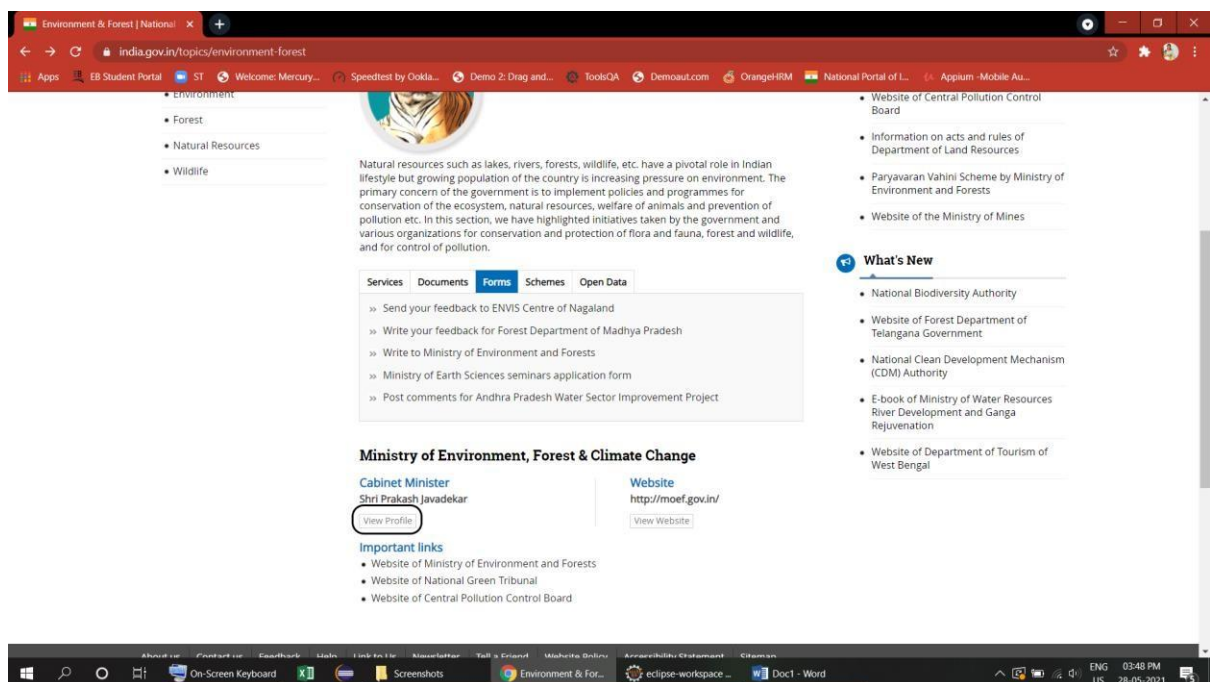
Tc_96-Tc_100: To CHECK THE FUNCTIONALITIES OF MOST VIEWED LINKS



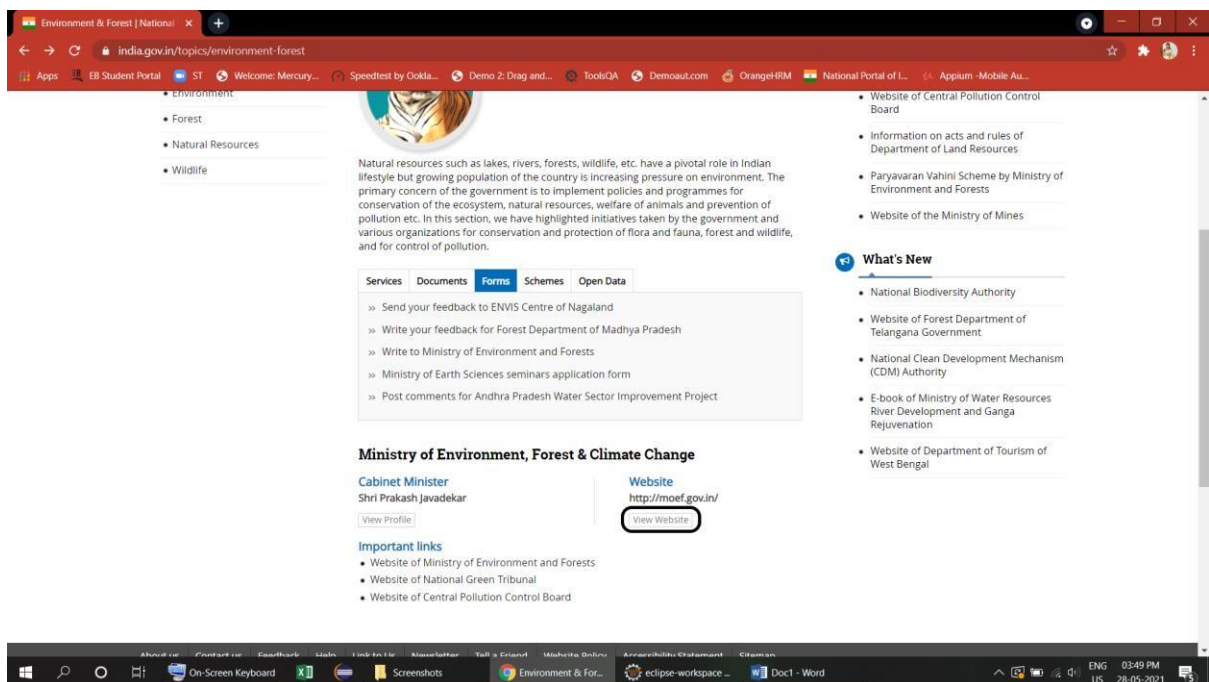
Tc_101-Tc_105: To CHECK THE FUNCTIONALITIES OF WHAT'S NEW LINKS



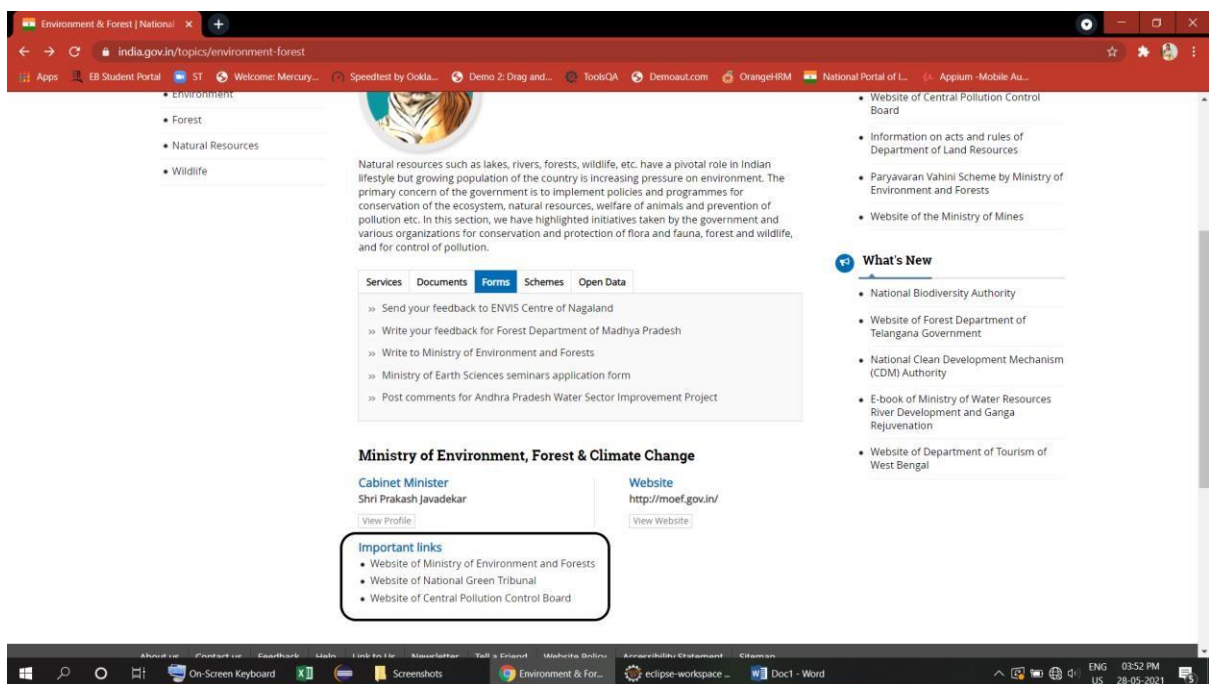
Tc_106: To CHECK THE FUNCTIONALITY OF VIEW PROFILE BUTTON



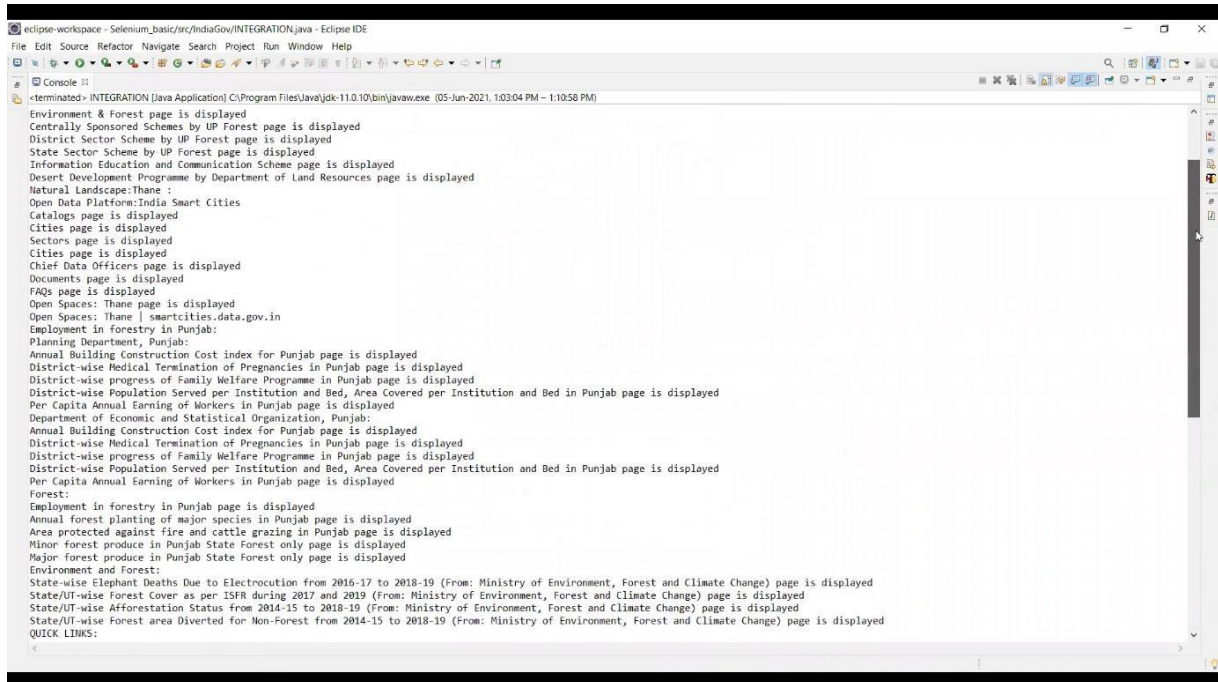
Tc_107: To check the functionality of View Website button



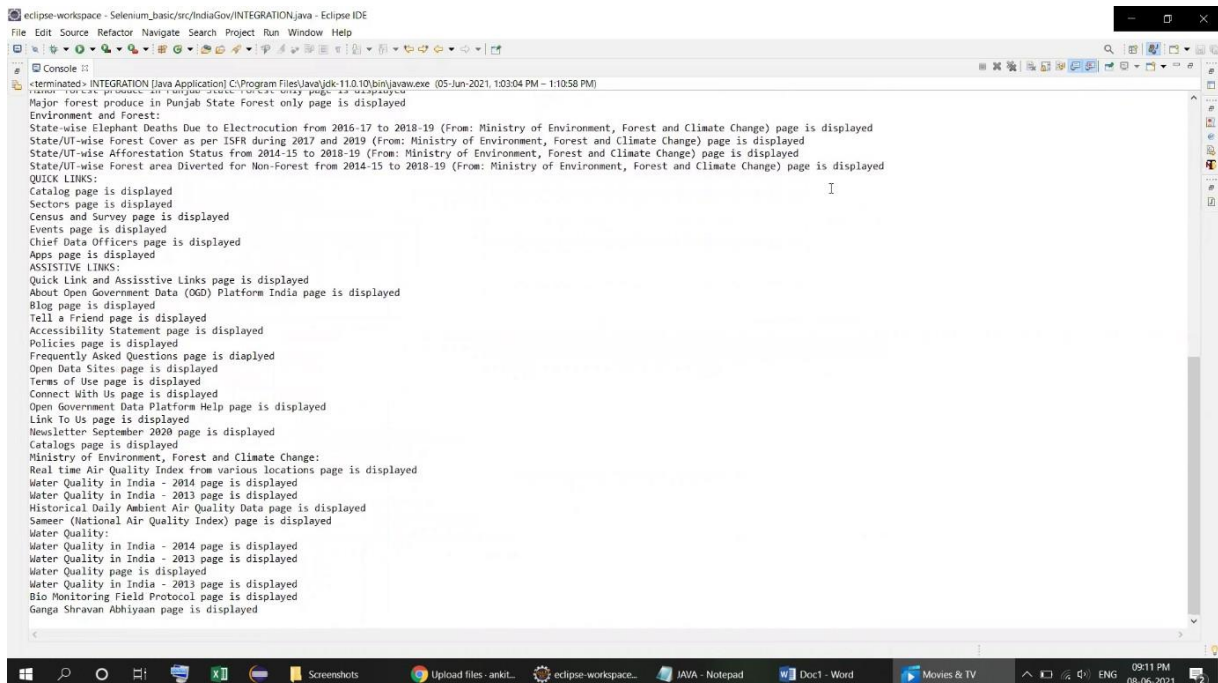
Tc_108-Tc_110: To check the functionality of Important Links



OUTPUT:



```
eclipse-workspace - Selenium_basics/src/IndiaGov/INTEGRATION.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
<terminated> INTEGRATION [Java Application] C:\Program Files\Java\jdk-11.0.10\bin\javaw.exe (05-Jun-2021, 10:30:04 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: Thane
Open Data Platform: India Smart Cities
Catalogs 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: Thane | 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 Electrocutation 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:
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eclipse-workspace - Selenium_basics/src/IndiaGov/INTEGRATION.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
<terminated> INTEGRATION [Java Application] C:\Program Files\Java\jdk-11.0.10\bin\javaw.exe (05-Jun-2021, 10:30:04 PM - 1:10:58 PM)
Major forest produce in Punjab State Forest only page is displayed
Environment and Forest:
State-wise Elephant Deaths Due to Electrocutation 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 Link 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
Connect 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
Sameer (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 Shrivani Abhiyaan page is displayed
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