

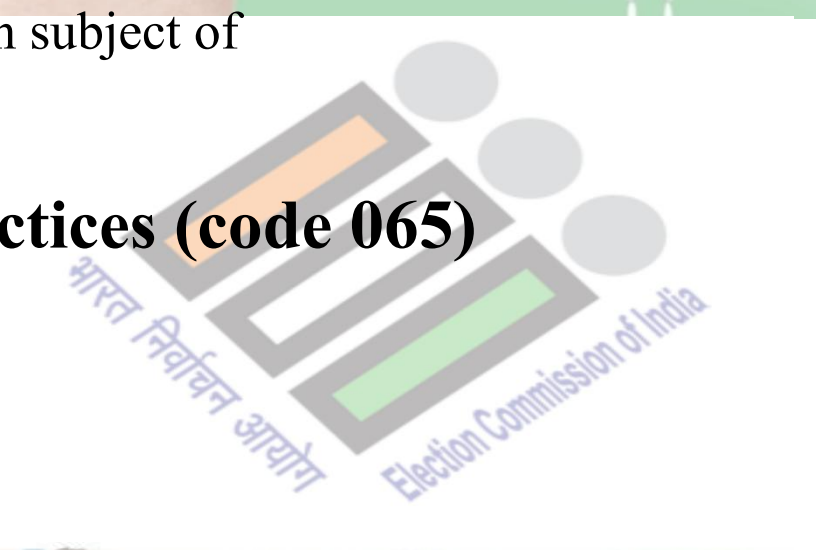


# **“Electoral System Of India”**

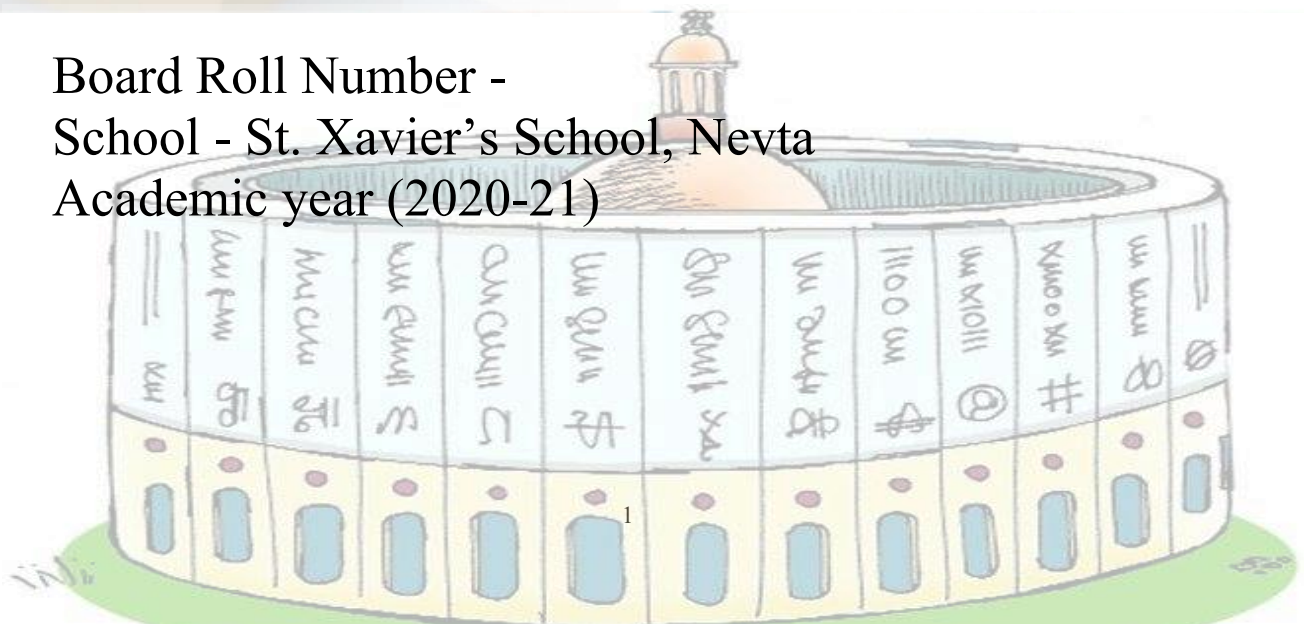
A project in subject of



## **Informatics Practices (code 065)**



Board Roll Number -  
School - St. Xavier's School, Nevta  
Academic year (2020-21)



# **Acknowledgement**

In the accomplishment of this project successfully, many people have best owned upon me their blessings and the heart pledged support, this time I am utilizing to thank all the people who have been concerned with this project.

Primarily I would thank God for being able to complete this project with success. Then I would like to thank my Principal ***Rev. Fr. Sangeeth Raj S.J.***, Vice Principal ***Rev. Fr. Jebamalai, S.J.*** and Academic Coordinator ***Mr. Abin Varghese.***

I would also like to thank Informatics Practices teacher ***Mr. Pankaj Chadha***, whose valuable guidance has been the ones that helped me patch this project and make it full proof success. His suggestions and his instructions have served as the major contributor towards the completion of the project.

I would like to thank my parents and friends who have helped me with their valuable suggestions and guidance has been very helpful in various phases of the completion of the project.

Last but not the least I would like to thank my classmates who have helped me a lot.

**Tanmay Singhal**

**(Class: XII - A)**

**St. Xavier's School, Nevta**

# Laboratory Certificate

*This is to certify that Tanmay Singhal of Class XII - A has successfully completed his/her project work on “ELECTORAL SYSTEM OF INDIA” in Informatics Practices (Code 065) and hereby submitting his/her report as an evidence of the project work for the session 2021 - 2022.*

Fr. Sangeeth Raj SJ  
Principal  
St. Xavier's School, Nevta

Pankaj Chadha  
PGT IP  
St. Xavier's School, Nevta

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# Project Description

This project titled “**Electoral System Of India**” was chosen with the intent to learn behind the scenes of the one of the biggest democracy’s festival that is elections and what preparations go to reach election day. This project aims to touch all the major components of **ECI (Election Commission of India)** like registering eligible candidates, voters, conducting elections with an added perk of analysis of performance of various parties, participation of people etc.

All the data whether generated during running of the program or collected previously are stored in spreadsheets in **.CSV** format which have been discussed in detail in later parts of this report. There are in total four python files in this project, namely, **election.py**, **graphs.py**, **registrations.py** and **IP class XII Practical.py** which have their own separate functions like IP class XII Practical.py file is used to run the portal and is used by the user while all the other files are back end files and has all the necessary functions to run the main file. **election.py** has all the functions for conduction of election at the portal and counting the votes, **graphs.py** has all the functions for analysis of various things as discussed above, while **registrations.py** has all the functions for registrations of eligible candidates and voters.

Moreover we have 3 CSV files, namely, **history.csv**, **representatives.csv**, **voters.csv** for storing of all the data related to the project. Among them the history.csv stores all the data related to elections conducted in past with various columns used during in depth analysis, representatives.csv stores all the data of the candidates contesting in the election along with their party names, while voters.csv stores the data of the registered voters along with their uniquely generated voter ID during their registration.

There is a text file as well named **README.txt** with all the instructions needed on how to run the program correctly for the user with clear instructions to run IP class XII Project.py only and do not corrupt any back end files as this will result in the failure of efficient working of the project.

Program is extremely user friendly and totally bug free with very less chances of throwing an error although that also has been taken care of as we will see in the source code. By the means of this project I learned a lot of new things about our ECI and its working which often left unseen.

# Data Source

1. **Source of Data :** All the data was collected from trusted websites like -

- A. <https://loksabha.nic.in/>
- B. <https://www.kaggle.com/>
- C. <https://eci.gov.in/>
- D. <https://data.gov.in/>

2. **Structure of CSV files :** Structure of various CSV files is listed below -

A. history.csv

Columns :

Year, votes, Bhartiya Janta Party, Bahujan Samaj Party, Communist Party of India, Communist Party of India (Marxist), Indian National Congress, Nationalist Congress Party, Independent, Others, Participation

B. representatives.csv

Columns :

Name of Member, Constituency & State, Party Name

C. voters.csv

Columns :

Voter name, Constituency & State, Voter ID

### 3. Data in CSV's : Following data is there within the given CSV's :

#### A. history.csv (19 records)

|    | A    | B     | C            | D          | E         | F         | G            | H           | I          | J      | K             |
|----|------|-------|--------------|------------|-----------|-----------|--------------|-------------|------------|--------|---------------|
| 1  | Year | votes | Bhartiya Jar | Bahujan Sa | Communist | Communist | Indian Natio | Nationalist | Independer | Others | Participation |
| 2  | 1951 | 90    | 0            | 0          | 16        | 0         | 50           | 0           | 15         | 9      | 87.38         |
| 3  | 1957 | 91    | 0            | 0          | 20        | 0         | 56           | 0           | 8          | 7      | 88.35         |
| 4  | 1962 | 94    | 0            | 0          | 19        | 0         | 69           | 0           | 6          | 0      | 91.26         |
| 5  | 1967 | 92    | 0            | 0          | 15        | 12        | 58           | 0           | 4          | 3      | 89.32         |
| 6  | 1971 | 86    | 0            | 0          | 17        | 12        | 53           | 0           | 4          | 0      | 83.5          |
| 7  | 1977 | 88    | 0            | 0          | 7         | 22        | 49           | 0           | 8          | 2      | 85.44         |
| 8  | 1980 | 90    | 0            | 0          | 10        | 17        | 60           | 0           | 2          | 1      | 87.38         |
| 9  | 1984 | 88    | 2            | 0          | 6         | 5         | 70           | 0           | 1          | 4      | 85.44         |
| 10 | 1985 | 50    | 0            | 0          | 0         | 0         | 27           | 0           | 8          | 15     | 48.54         |
| 11 | 1989 | 90    | 33           | 0          | 5         | 7         | 43           | 0           | 1          | 1      | 87.38         |
| 12 | 1991 | 92    | 40           | 0          | 4         | 6         | 41           | 0           | 1          | 0      | 89.32         |
| 13 | 1992 | 13    | 0            | 0          | 0         | 0         | 12           | 0           | 0          | 1      | 12.62         |
| 14 | 1996 | 95    | 41           | 0          | 5         | 5         | 32           | 0           | 9          | 3      | 92.23         |
| 15 | 1998 | 99    | 44           | 5          | 9         | 16        | 20           | 0           | 4          | 1      | 96.12         |
| 16 | 1999 | 100   | 48           | 2          | 2         | 4         | 39           | 0           | 3          | 2      | 97.09         |
| 17 | 2004 | 98    | 41           | 4          | 5         | 7         | 33           | 2           | 4          | 2      | 95.15         |
| 18 | 2009 | 95    | 48           | 6          | 2         | 6         | 30           | 1           | 1          | 1      | 92.23         |
| 19 | 2014 | 92    | 61           | 0          | 1         | 2         | 21           | 3           | 2          | 2      | 89.32         |



B. representatives.csv (102 records)

|    | A                              | B                                 | C                                  |
|----|--------------------------------|-----------------------------------|------------------------------------|
| 1  | Name of Member                 | Constituency & State              | Party Name                         |
| 2  | A. Raja, Shri                  | Nilgiris (SC)(Tamil Nadu)         | All India United Democratic Front  |
| 3  | Abbaiah, Shri Narayana Swar    | Chitradurga (SC)(Karnataka)       | All India United Democratic Front  |
| 4  | Abdullah, Dr. Farooq           | Srinagar (Jammu and Kashmir)      | All India Trinamool Congress       |
| 5  | Adhikari, Shri Deepak (Dev)    | Ghatal (West Bengal)              | Bhartiya Janta Party               |
| 6  | Adhikari, Shri Dibyendu        | Tamluk (West Bengal)              | Independent                        |
| 7  | Adhikari, Shri Sisir Kumar     | Kanthi (West Bengal)              | Bhartiya Janta Party               |
| 8  | Adv. A. M. Ariff               | Alappuzha (Kerala)                | Shiromani Akali Dal                |
| 9  | Agrawal, Shri Rajendra         | Meerut (Uttar Pradesh)            | Communist Party of India           |
| 10 | Ahluwalia, Shri S.S.           | Bardhaman-Durgapur (West Bengal)  | Indian National Congress           |
| 11 | Ahmed, Smt. Sajda              | Uluberia (West Bengal)            | Nationalist Congress Party         |
| 12 | Ajgalley, Shri Guharam         | Janjgir-Champa (SC)(Chhattisgarh) | Communist Party of India (Marxist) |
| 13 | Ajmal, Maulana Badruddin       | Dhubri (Assam)                    | All India United Democratic Front  |
| 14 | Ambareesh, Smt. Sumalatha      | Mandya (Karnataka)                | Communist Party of India (Marxist) |
| 15 | Angadi, Smt. Mangal Suresh     | Belgaum (Karnataka)               | Shiromani Akali Dal                |
| 16 | Annadurai, Shri C.N.           | Pali (Rajasthan)                  | Communist Party of India           |
| 17 | Annpurna Devi, Smt.            | Jalandhar (SC)(Punjab)            | All India Trinamool Congress       |
| 18 | Ansari, Shri Afzal             | Raiganj (West Bengal)             | Bahujan Samaj Party                |
| 19 | Antony, Shri Anto              | Kheda (Gujarat)                   | Bhartiya Janta Party               |
| 20 | Aujla, Shri Gurjeet Singh      | Ganganagar (SC)(Rajasthan)        | All India Trinamool Congress       |
| 21 | Azad, Smt. Sangeeta            | Nilgiris (SC)(Tamil Nadu)         | Bhartiya Janta Party               |
| 22 | B.N. , Shri Bache Gowda        | Chitradurga (SC)(Karnataka)       | Communist Party of India           |
| 23 | Baalu, Shri Thalikkottai Rajut | Srinagar (Jammu and Kashmir)      | All India Trinamool Congress       |
| 24 | Badal, Smt. Harsimrat Kaur     | Ghatal (West Bengal)              | All India United Democratic Front  |



| ▲  | A                             | B                                 | C                                  |
|----|-------------------------------|-----------------------------------|------------------------------------|
| 25 | Badal, Shri Sukhbir Singh     | Tamluk (West Bengal)              | Nationalist Congress Party         |
| 26 | Baghel, Prof. S.P. Singh      | Kanthi (West Bengal)              | All India United Democratic Front  |
| 27 | Baghel, Shri Vijay            | Alappuzha (Kerala)                | Communist Party of India (Marxist) |
| 28 | Baheria, Shri Subhash Chand   | Meerut (Uttar Pradesh)            | All India Trinamool Congress       |
| 29 | Baij, Shri Deepak             | Bardhaman-Durgapur (West Bengal)  | All India United Democratic Front  |
| 30 | Balyan, Dr. Sanjeev Kumar     | Uluberia (West Bengal)            | Indian National Congress           |
| 31 | Bandi, Shri Sanjay Kumar      | Janjgir-Champa (SC)(Chhattisgarh) | Indian National Congress           |
| 32 | Bandyopadhyay, Shri Sudip     | Dhubri (Assam)                    | All India United Democratic Front  |
| 33 | Banerjee, Shri Abhishek       | Mandya (Karnataka)                | All India Trinamool Congress       |
| 34 | Banerjee, Shri Kalyan         | Belgaum (Karnataka)               | Indian National Congress           |
| 35 | Banerjee, Shri Prasun         | Pali (Rajasthan)                  | Indian National Congress           |
| 36 | Bapat, Shri Girish Bhalchandr | Jalandhar (SC)(Punjab)            | Indian National Congress           |
| 37 | Barla, Shri John              | Raiganj (West Bengal)             | All India United Democratic Front  |
| 38 | Barne, Shri Shrirang Appa     | Kheda (Gujarat)                   | Bahujan Samaj Party                |
| 39 | Barq, Shri Shafiqur Rahman    | Ganganagar (SC)(Rajasthan)        | All India Trinamool Congress       |
| 40 | Baruah, Shri Pradan           | Nilgiris (SC)(Tamil Nadu)         | Bahujan Samaj Party                |
| 41 | Basavaraj, Shri Gangasandra   | Chitradurga (SC)(Karnataka)       | All India Trinamool Congress       |
| 42 | Basheer, Shri E. T. Mohamme   | Srinagar (Jammu and Kashmir)      | Independent                        |
| 43 | Beesetti , Dr. Venkata Satyav | Ghatal (West Bengal)              | All India Trinamool Congress       |
| 44 | Bellana, Shri Chandra Sekhar  | Tamluk (West Bengal)              | Communist Party of India (Marxist) |
| 45 | Beniwal, Shri Hanuman         | Kanthi (West Bengal)              | Shiromani Akali Dal                |
| 46 | Benny, Shri Behanan           | Alappuzha (Kerala)                | Independent                        |
| 47 | Bey, Shri Horen Sing          | Meerut (Uttar Pradesh)            | Communist Party of India (Marxist) |
| 48 | Bhabhor, Shri Jaswantsinh Su  | Bardhaman-Durgapur (West Bengal)  | All India United Democratic Front  |



|    | A                             | B                                 | C                                  |
|----|-------------------------------|-----------------------------------|------------------------------------|
| 49 | Bhagat, Shri Sudarshan        | Uluberia (West Bengal)            | Communist Party of India (Marxist) |
| 50 | Bhagirath Choudhary, Shri     | Janjgir-Champa (SC)(Chhattisgarh) | All India Trinamool Congress       |
| 51 | Bhamre, Dr. Subhash Ramrao    | Dhubri (Assam)                    | Bahujan Samaj Party                |
| 52 | Bhargava, Shri Ramakant       | Mandya (Karnataka)                | All India United Democratic Front  |
| 53 | Bhatia, Shri Sanjay           | Belgaum (Karnataka)               | Independent                        |
| 54 | Bhatt, Shri Ajay              | Pali (Rajasthan)                  | Bhartiya Janta Party               |
| 55 | Bhatt, Smt. Ranjanben Dhanraj | Jalandhar (SC)(Punjab)            | Communist Party of India           |
| 56 | Bhavana Gawali (Patil), Ms.   | Raiganj (West Bengal)             | Nationalist Congress Party         |
| 57 | Bholanath (B.P. Saroj), Shri  | Kheda (Gujarat)                   | Bhartiya Janta Party               |
| 58 | Bhoumik, Km. Pratima          | Ganganagar (SC)(Rajasthan)        | Communist Party of India           |
| 59 | Bidhuri, Shri Ramesh          | Nilgiris (SC)(Tamil Nadu)         | Nationalist Congress Party         |
| 60 | Bind, Dr. Ramesh Chand        | Chitradurga (SC)(Karnataka)       | Communist Party of India           |
| 61 | Birla, Shri Om                | Srinagar (Jammu and Kashmir)      | Bahujan Samaj Party                |
| 62 | Bisen, Dr. Dhal Singh         | Ghatal (West Bengal)              | Bahujan Samaj Party                |
| 63 | Bisoyi, Smt. Pramila          | Tamluk (West Bengal)              | Communist Party of India           |
| 64 | Bista, Shri Raju              | Kanthi (West Bengal)              | All India Trinamool Congress       |
| 65 | Bohra, Shri Ramcharan         | Alappuzha (Kerala)                | All India United Democratic Front  |
| 66 | Bordoloi, Shri Pradyut        | Meerut (Uttar Pradesh)            | Communist Party of India           |
| 67 | Borlakunta, Shri Venkatesh N  | Bardhaman-Durgapur (West Bengal)  | Indian National Congress           |
| 68 | Chahar, Shri Rajkumar         | Uluberia (West Bengal)            | Bahujan Samaj Party                |
| 69 | Chakraborty, Ms. Mimi         | Janjgir-Champa (SC)(Chhattisgarh) | Shiromani Akali Dal                |
| 70 | Chandel, Kunwar Pushpendra    | Dhubri (Assam)                    | Communist Party of India (Marxist) |
| 71 | Chandra, Shri Girish          | Mandya (Karnataka)                | Bhartiya Janta Party               |
| 72 | Chatterjee, Smt. Locket       | Belgaum (Karnataka)               | Independent                        |



|    | A                                  | B                                 | C                                  |
|----|------------------------------------|-----------------------------------|------------------------------------|
| 73 | Chaudhary, Shri P.P.               | Pali (Rajasthan)                  | Nationalist Congress Party         |
| 74 | Chaudhary, Shri Pankaj             | Jalandhar (SC)(Punjab)            | Nationalist Congress Party         |
| 75 | Chaudhary, Shri Pradeep Kumar      | Raiganj (West Bengal)             | Nationalist Congress Party         |
| 76 | Chaudhary, Shri Santokh Singh      | Kheda (Gujarat)                   | Communist Party of India (Marxist) |
| 77 | Chaudhuri, Km. Debasree            | Ganganagar (SC)(Rajasthan)        | Bhartiya Janta Party               |
| 78 | Chauhan, Shri Devusinh Jesir       | Nilgiris (SC)(Tamil Nadu)         | Communist Party of India (Marxist) |
| 79 | Chauhan, Shri Nihal Chand          | Chitradurga (SC)(Karnataka)       | All India Trinamool Congress       |
| 80 | Chavda, Shri Vinod                 | Srinagar (Jammu and Kashmir)      | Independent                        |
| 81 | Chazhikadan, Shri Thomas           | Ghatal (West Bengal)              | All India Trinamool Congress       |
| 82 | Chellakumar, Dr. A.                | Tamluk (West Bengal)              | Indian National Congress           |
| 83 | Chidambaram, Shri Karti P.         | Kanthi (West Bengal)              | Shiromani Akali Dal                |
| 84 | Chikhalikar, Shri Prataprao Patil  | Alappuzha (Kerala)                | Shiromani Akali Dal                |
| 85 | Chinraj, Shri A.K.P.               | Meerut (Uttar Pradesh)            | Shiromani Akali Dal                |
| 86 | Chinta Anuradha, Smt.              | Bardhaman-Durgapur (West Bengal)  | Indian National Congress           |
| 87 | Choubey, Shri Ashwini Kumar        | Uluberia (West Bengal)            | Independent                        |
| 88 | Choudhary, Shri Chandra Prasad     | Janjgir-Champa (SC)(Chhattisgarh) | Bahujan Samaj Party                |
| 89 | Choudhary, Shri Kailash            | Dhubri (Assam)                    | Bhartiya Janta Party               |
| 90 | Choudhury, Shri Abu Hasem          | Mandya (Karnataka)                | Independent                        |
| 91 | Chowdhury, Shri Adhir Ranjan       | Belgaum (Karnataka)               | All India Trinamool Congress       |
| 92 | Chudasama, Shri Rajeshbhai         | Pali (Rajasthan)                  | All India United Democratic Front  |
| 93 | Dabhi, Shri Bharatsinhji Shantappa | Jalandhar (SC)(Punjab)            | Indian National Congress           |
| 94 | Damor, Shri Guman Singh            | Raiganj (West Bengal)             | Bhartiya Janta Party               |
| 95 | Danve, Shri Raosaheb Dadaraj       | Kheda (Gujarat)                   | All India Trinamool Congress       |
| 96 | Darbar, Shri Chhatar Singh         | Ganganagar (SC)(Rajasthan)        | Communist Party of India           |

| ▲   | A                              | B                            | C                                  |
|-----|--------------------------------|------------------------------|------------------------------------|
| 97  | Das, Shri Pallab Lochan        | Nilgiris (SC)(Tamil Nadu)    | Independent                        |
| 98  | Dastidar, Dr. (Smt.) Kakoli Gh | Chitradurga (SC)(Karnataka)  | Communist Party of India (Marxist) |
| 99  | Deb, Shri Nitesh Ganga         | Srinagar (Jammu and Kashmir) | Shiromani Akali Dal                |
| 100 | Delkar, Smt. Kalaben Mohan     | Ghatal (West Bengal)         | All India Trinamool Congress       |
| 101 | Deol, Shri Sunny               | Tamluk (West Bengal)         | Bahujan Samaj Party                |
| 102 | Devi, Smt. Rama                | Kanthi (West Bengal)         | Nationalist Congress Party         |



C. voters.csv (105 records)

|    | A               | B                                 | C        |
|----|-----------------|-----------------------------------|----------|
| 1  | Voter name      | Constituency & State              | Voter ID |
| 2  | barjraj         | Nilgiris (SC)(Tamil Nadu)         | NI001    |
| 3  | ramdin verma    | Chitradurga (SC)(Karnataka)       | CH002    |
| 4  | sharat chandran | Srinagar (Jammu and Kashmir)      | SR003    |
| 5  | birender mandal | Ghatal (West Bengal)              | GH004    |
| 6  | amit            | Tamluk (West Bengal)              | TA005    |
| 7  | kushal          | Kanthi (West Bengal)              | KA006    |
| 8  | kasid           | Alappuzha (Kerala)                | AL007    |
| 9  | shiv prakash    | Meerut (Uttar Pradesh)            | ME008    |
| 10 | vikram singh    | Bardhaman-Durgapur (West Bengal)  | BA009    |
| 11 | sanjay          | Uluberia (West Bengal)            | UL010    |
| 12 | abhi            | Janjgir-Champa (SC)(Chhattisgarh) | JA011    |
| 13 | ram dutt gupta  | Dhubri (Assam)                    | DH012    |
| 14 | khadak singh    | Mandya (Karnataka)                | MA013    |
| 15 | gurmit singh    | Belgaum (Karnataka)               | BE014    |
| 16 | chanderpal      | Pali (Rajasthan)                  | TI015    |
| 17 | aman            | Jalandhar (SC)(Punjab)            | KO016    |
| 18 | khursid         | Raiganj (West Bengal)             | GH017    |
| 19 | rajeev          | Kheda (Gujarat)                   | PA018    |
| 20 | durgesh         | Ganganagar (SC)(Rajasthan)        | AM019    |
| 21 | nahar singh     | Nilgiris (SC)(Tamil Nadu)         | LA020    |
| 22 | ram kumar       | Chitradurga (SC)(Karnataka)       | CH021    |
| 23 | sunder paal     | Srinagar (Jammu and Kashmir)      | SR022    |
| 24 | maansingh aswal | Ghatal (West Bengal)              | BA023    |

|    | A                    | B                                 | C     |
|----|----------------------|-----------------------------------|-------|
| 25 | rohit                | Tamluk (West Bengal)              | FE024 |
| 26 | rohit                | Kanthi (West Bengal)              | AG025 |
| 27 | sparsh               | Alappuzha (Kerala)                | DU026 |
| 28 | santosh              | Meerut (Uttar Pradesh)            | BH027 |
| 29 | santosh              | Bardhaman-Durgapur (West Bengal)  | BA028 |
| 30 | punit khandelwal     | Uluberia (West Bengal)            | MU029 |
| 31 | dinesh               | Janjgir-Champa (SC)(Chhattisgarh) | KA030 |
| 32 | gulshan              | Dhubri (Assam)                    | KO031 |
| 33 | arvind kumar yadav   | Mandya (Karnataka)                | DI032 |
| 34 | nausad               | Belgaum (Karnataka)               | SE033 |
| 35 | gurmit singh         | Pali (Rajasthan)                  | HO034 |
| 36 | md. afsar            | Jalandhar (SC)(Punjab)            | PU035 |
| 37 | shiv shakti singh    | Raiganj (West Bengal)             | AL036 |
| 38 | moti lal             | Kheda (Gujarat)                   | MA037 |
| 39 | kausal kumar         | Ganganagar (SC)(Rajasthan)        | SA038 |
| 40 | rohit                | Nilgiris (SC)(Tamil Nadu)         | LA039 |
| 41 | rohit                | Chitradurga (SC)(Karnataka)       | TU040 |
| 42 | mohabbat ali         | Srinagar (Jammu and Kashmir)      | PO041 |
| 43 | raj kumar            | Ghatal (West Bengal)              | AN042 |
| 44 | jaswant singh        | Tamluk (West Bengal)              | VI043 |
| 45 | sevak @ pitambar lal | Kanthi (West Bengal)              | NA044 |
| 46 | chotelal             | Alappuzha (Kerala)                | CH045 |
| 47 | amit                 | Meerut (Uttar Pradesh)            | AU046 |
| 48 | rupesh               | Bardhaman-Durgapur (West Bengal)  | DA047 |



|    | A                   | B                                 | C     |
|----|---------------------|-----------------------------------|-------|
| 49 | midda               | Uluberia (West Bengal)            | LO048 |
| 50 | dharam singh        | Janjgir-Champa (SC)(Chhattisgarh) | AJ049 |
| 51 | manoj yadav @ manoj | Dhubri (Assam)                    | DH050 |
| 52 | ram singh           | Mandya (Karnataka)                | VI051 |
| 53 | preetam kumar       | Belgaum (Karnataka)               | KA052 |
| 54 | ram kumar           | Pali (Rajasthan)                  | NA053 |
| 55 | sarain              | Jalandhar (SC)(Punjab)            | VA054 |
| 56 | pankaj kumar        | Raiganj (West Bengal)             | YA055 |
| 57 | sheak shakir        | Kheda (Gujarat)                   | MA056 |
| 58 | riyasat ali         | Ganganagar (SC)(Rajasthan)        | TR057 |
| 59 | vinit katariya      | Nilgiris (SC)(Tamil Nadu)         | SO058 |
| 60 | sumit               | Chitradurga (SC)(Karnataka)       | BH059 |
| 61 | arindra             | Srinagar (Jammu and Kashmir)      | KO060 |
| 62 | kali charan         | Ghatal (West Bengal)              | BA061 |
| 63 | badshya khan        | Tamluk (West Bengal)              | AS062 |
| 64 | vikash              | Kanthi (West Bengal)              | DA063 |
| 65 | devinder chadda     | Alappuzha (Kerala)                | JA064 |
| 66 | aman                | Meerut (Uttar Pradesh)            | NA065 |
| 67 | mohan singh         | Bardhaman-Durgapur (West Bengal)  | PE066 |
| 68 | hemant              | Uluberia (West Bengal)            | FA067 |
| 69 | shivam              | Janjgir-Champa (SC)(Chhattisgarh) | JA068 |
| 70 | yash mittal         | Dhubri (Assam)                    | HA069 |
| 71 | aakash              | Mandya (Karnataka)                | NA070 |
| 72 | chandesh            | Belgaum (Karnataka)               | HO071 |



|    | A                      | B                                 | C     |
|----|------------------------|-----------------------------------|-------|
| 73 | sumit mitra            | Pali (Rajasthan)                  | PA072 |
| 74 | supriyal sen           | Jalandhar (SC)(Punjab)            | MA073 |
| 75 | gajender singh @ goldy | Raiganj (West Bengal)             | KA074 |
| 76 | pooran chand sharma    | Kheda (Gujarat)                   | JA075 |
| 77 | irfan                  | Ganganagar (SC)(Rajasthan)        | RA076 |
| 78 | azaruddin              | Nilgiris (SC)(Tamil Nadu)         | KH077 |
| 79 | mukul yadav            | Chitradurga (SC)(Karnataka)       | GA078 |
| 80 | pooran chand sharma    | Srinagar (Jammu and Kashmir)      | KA079 |
| 81 | manoj                  | Ghatal (West Bengal)              | KO080 |
| 82 | sanjay charee          | Tamluk (West Bengal)              | KR081 |
| 83 | raja babu              | Kanthi (West Bengal)              | SI082 |
| 84 | pawan                  | Alappuzha (Kerala)                | NA083 |
| 85 | sandeep                | Meerut (Uttar Pradesh)            | NA084 |
| 86 | rajkumar chawla        | Bardhaman-Durgapur (West Bengal)  | AM085 |
| 87 | parvesh                | Uluberia (West Bengal)            | BU086 |
| 88 | mohd ataullah          | Janjgir-Champa (SC)(Chhattisgarh) | GI087 |
| 89 | neeraj kumar           | Dhubri (Assam)                    | BA088 |
| 90 | jamil khan             | Mandya (Karnataka)                | MA089 |
| 91 | yogita                 | Belgaum (Karnataka)               | BA090 |
| 92 | rijul aggarwal         | Pali (Rajasthan)                  | JU091 |
| 93 | mohd shakib            | Jalandhar (SC)(Punjab)            | PA092 |
| 94 | rahul kumar            | Raiganj (West Bengal)             | RA093 |
| 95 | rajender               | Kheda (Gujarat)                   | JA094 |
| 96 | suraj                  | Ganganagar (SC)(Rajasthan)        | DH095 |

|     | A          | B                            | C     |
|-----|------------|------------------------------|-------|
| 97  | rizwan     | Nilgiris (SC)(Tamil Nadu)    | TE096 |
| 98  | sandeep    | Chitradurga (SC)(Karnataka)  | BA097 |
| 99  | md mustafa | Srinagar (Jammu and Kashmir) | SA098 |
| 100 | har parsad | Ghatal (West Bengal)         | DA099 |
| 101 | deepak     | Tamluk (West Bengal)         | GU100 |
| 102 | rahul      | Kanthi (West Bengal)         | SH101 |
| 103 | Tanmay     | Jaipur (Rajasthan)           | JA102 |
| 104 | Pragnay    | Jaipur (Rajasthan)           | JA103 |
| 105 | Monia      | Jaipur (Rajasthan)           | JA104 |

# Menu Layout

## **Main Menu along with sub menus :**

### **A. Register Voter**

- a. Enter your Name ...
- b. Enter your age ...
- c. Enter your constituency ...
- d. Enter your state ...
- e. Confirm Registration (Y/N)? ...

### **B. Register Candidate**

- a. Enter your first name ...
- b. Enter your last name ...
- c. Enter your age ...
- d. Select your party number or choose independent if candidate is independent
  - 1) All India United Democratic Front
  - 2) All India Trinamool Congress
  - 3) Bhartiya Janta Party
  - 4) Shiromani Akali Dal
  - 5) Communist Party of India
  - 6) Indian National Congress
  - 7) Nationalist Congress Party
  - 8) Communist Party of India (Marxist)
  - 9) Bahujan Samaj Party
  - 10) Independent
- e. Enter your constituency ...

- f. Enter your state ...
- g. Confirm Registration (Y/N)? ...

### **C. Conduct elections**

- a. Enter current year for election conduction ...  
(if above entered year has less than 5 year gap from last conducted elections then following options are laid else elections are started)
- b. Over ride the gap (Y/N)? ...  
(if elections starts : )
- c. Please enter voter ID or type "end" to end the elections...
- d. Parties/Candidates contesting from you constituency i.e. <voter's constituency>  
<List of all parties candidates contesting from voters constituency>  
(if 'end' is written in voter ID)
- e. Display results (Y/N)? ...

### **D. Analysis**

- a. Select mode of analysis by its number
  - 1) Comparison between parties over the years  
(Required graph is displayed)
  - 2) Particular party performance
    - 1) Select a party by its indicated number
      - 1) Bhartiya Janta Party
      - 2) Bahujan Samaj Party
      - 3) Communist Party of India
      - 4) Communist Party of India (Marxist)
      - 5) Indian National Congress
      - 6) Nationalist Congress Party

7) Independent

8) Others

(Analyzed result is displayed according to selected option then following menu is laid)

II) View detailed graph (Y/N)? ...

3) Participation of people in elections

(Analyzed result from previous year and a year later is displayed then following menu is laid)

I) View detailed graph of Participation (Y/N)? ...

**E. Results of last conducted elections**

(Required results are displayed)

**F. Exit**

(Closes the portal)

Select the function by its indicated number ...

# Python Source code with

## outputs

### Source codes

#### 1. elections.py :

```
import pandas as pd
import time
import os

def run_election():
    d_vote={}
    df_voter = pd.read_csv("voters.csv")
    df_representative =
pd.read_csv("representatives.csv")

'''code for the election conduction'''

run=True
done_cand=[]
```

```

while run==True:
    v_id=input('Please enter voter ID or type
"end" to end the elections... ')
    if v_id.upper() not in done_cand:
        if v_id=='end':
            #Here code for saving the poll
result don't write in this go at the end
            run=False
            continue
            s1=df_voter.loc[df_voter['Voter ID']==
v_id.upper() ]
            if s1.empty:
                print("please enter correct voter
id")
                continue
            cons=s1['Constituency & State']
            c=""
            for i in cons:
                c=c+i
            cons=c.strip()
            name=s1['Voter name']

s2=df_representative.loc[df_representative['Constit
uency & State']==cons]
            party_df=s2[['Party Name','Name of
Member']]
            party_df=party_df.reset_index()

```

```

party2=[]
party=[]
party_lower=[]
for i in range(len(party_df)):
    if party_df['Party Name'][i] not in
party and party_df['Party Name'][i]!='Independent':
        party2.append(party_df['Party
Name'][i])
        party.append(party_df['Party
Name'][i])

party_lower.append(party_df['Party
Name'][i].lower())

    elif party_df['Party Name'][i] not
in party and party_df['Party
Name'][i]=='Independent':
        party2.append(party_df['Name of
Member'][i]+' (Independent)')
        party.append(party_df['Party
Name'][i])

party_lower.append(party_df['Party
Name'][i].lower())

    else:
        continue

n=''
for i in name:

```



```

        n+=str(i)
    print('')
    print('='*25+'Welcome
'+str(n).capitalize()+('='*25)
    print('')
    print('Parties/Candidates contesting
from you constituency i.e. '+cons)
    print('')

    for i in range(0,len(party2)):
        print(str(i+1)+" "+party2[i])
        print('='*len('='*25+'Welcome
'+str(n).capitalize()+('='*25))
    print('')
    print("Choose one of them by number or
their name")
    print('')
    done=False
    while done==False:
        r=input()
        print('')
        try:
            r=int(r)
            r=r-1
            d_vote[v_id]=party[r]
            done=True
        except:

```

```

        try:
            for i in
range(0,len(party_lower)):
                if
r.lower()==party_lower[i]:

d_vote[v_id]=party[i]

                        done=True
                    else:
                        done=False
                    print("Please enter
correctly")

        except:
            if done==True:
                done=False
                print("Please enter
correctly")

            else:
                continue

done_cand.append(v_id.upper())
print("Thank you your vote registerd")
print('')
time.sleep(1)
os.system('cls')
else:
    print('')

```

```

        print('You can cast vote only once')
        print('')

'''counting votes'''

voted_parties=[]
for i in d_vote:
    voted_parties.append(d_vote[i])
party_name=[]
for i in df_representative['Party Name']:
    if i not in party_name:
        party_name.append(i)
    else:
        continue
vote_count={}
for i in party_name:
    vote_count[i]=voted_parties.count(i)
return vote_count

#print(run_election())

```

## 2. graphs.py

```
import pandas as pd
import matplotlib.pyplot as pl
import time

def insert_into(year,dictionary):
    d=dictionary
    d_history=pd.read_csv("history.csv")
    d_voter=pd.read_csv("voters.csv")
    votes_casted=0
    for i in d:
        votes_casted+=d[i]
    total_voters=len(d_voter)
    participation=(votes_casted/total_voters)*100

d_history['Participation']=round((d_history['votes']
/total_voters)*100,2)
    insert=[year,votes_casted,d['Bhartiya Janta
Party'],d['Bahujan Samaj Party'],
        d['Communist Party of India'],
        d['Communist Party of India (Marxist)'],
        d['Indian National Congress'],
        d['Nationalist Congress Party'],
        d['Independent'],
        votes_casted-(d['Bhartiya Janta
Party']+d['Bahujan Samaj Party']+
        d['Communist Party of India']+
```

```

        d['Communist Party of India
(Marxist)'] +
        d['Indian National Congress'] +
        d['Nationalist Congress Party'] +
        d['Independent']), participation]
    d_history.loc[len(d_history.index)] = insert
    d_history.to_csv('history.csv', index=False)

def graph(party=None, participation=False):
    d_history = pd.read_csv('history.csv')

    d_history['Year'] = d_history['Year'].astype(float).a
    stype(int)

    if party == None and participation == True:
        d_history.plot(x='Year', y='Participation')
        d_part = d_history[['Participation', 'Year']]
        d_lastone = d_part.loc[len(d_part)-1]
        d_secondlast = d_part.loc[len(d_part)-2]
        if d_lastone['Participation'] >
d_secondlast['Participation']:
            print('')
            print('='*80)
            print('More people participated in last
elections than in previous one...')
            time.sleep(1)
            print("Participation's on rise!!!")
            print('='*80)

```

```

        print('')
    elif d_lastone['Participation'] <
d_secondlast['Participation']:
        print('')
        print('='*80)
        print('Less people participated in last
elections than in previous one...')
        time.sleep(1)
        print("Participation suffered
setback!!!")
        print('='*80)
        print('')
    else:
        print('')
        print('='*80)
        print('Same number of people
participated in last elections than in previous
one...')
        time.sleep(1)
        print("Participation's stable!!!")
        print('='*80)
        print('')
    a=str(input('View detailed graph of
Participation (Y/N)?...'))
    pl.xlabel("Year")
    pl.ylabel("Percentage(%) vote casted")
    pl.title('Participation of People')

```

```

        if a in 'yY':
            pl.show()
        else:
            None

    elif party=='all' and participation==False:
        d_history.plot.bar(x='Year',y=['Bhartiya
Janta Party','Bahujan Samaj Party',
                                     'Communist Party
of India','Communist Party of India (Marxist)',
                                     'Indian National
Congress','Nationalist Congress
Party','Independent'])

        pl.title('Comparision between parties')
        pl.ylabel('Votes recieved by party')
        pl.show()

    elif participation==False and party!=None and
party!='all':
        s=party+' (%) '
        d_party=d_history[[party,'Year']]
        d_lastone=d_party.loc[len(d_party)-1]
        d_secondlast=d_party.loc[len(d_party)-2]
        if d_lastone[party] > d_secondlast[party]:
            print('')
            print('='*80)
            print('Party recieved more votes in
last election than previous one...')

```

```

        time.sleep(1)
        print("Party's on rise!!!")
        print('='*80)
        print('')
    elif d_lastone[party] < d_secondlast[party]:
        print('')
        print('='*80)
        print('Party recieved less votes in
last election than previous one...')
        time.sleep(1)
        print("Party suffered setback!!!")
        print('='*80)
        print('')
    else:
        print('')
        print('='*80)
        print('Party recieved same votes in
last election as in previous one...')
        time.sleep(1)
        print("Party's stable!!!")
        print('='*80)
        print('')
        a=str(input('View deatiled graph
(Y/N)?...'))

d_history[s]=(d_history[party]/d_history['votes'])*
100

```



```

d_history.plot(x='Year',y=s)
pl.title('Party performance over years')
pl.ylabel('% votes recieved by '+party)
pl.xlabel('Year')
if a in 'yY':
    pl.show()
else:
    None
elif party=='all' and participation==True:
    d_history.plot(x='Year',y='Participation')
    pl.xlabel("Year")
    pl.ylabel("Percentage(%) vote casted")
    pl.title('Participation of People')
    d_history.plot.bar(x='Year',y=['Bhartiya
Janta Party','Bahujan Samaj Party',
                                'Communist Party
of India','Communist Party of India (Marxist)',
                                'Indian National
Congress','Nationalist Congress
Party','Independent'])
    pl.title('Comparision between parties')
    pl.ylabel('Votes recieved by party')
    pl.show()
elif participation==True and party!=None and
party!='all':
    d_history.plot(x='Year',y='Participation')
    pl.xlabel("Year")

```

```

        pl.ylabel("Percentage(%) vote casted")
        pl.title('Participation of People')
        s=party+' (%) '

d_history[s]=(d_history[party]/d_history['votes'])*
100

        d_history.plot(x='Year',y=s)
        pl.title('Party performance over years')
        pl.ylabel('% votes recieved by '+party)
        pl.xlabel('Year')
        pl.show()

def view():
    d_history=pd.read_csv('history.csv')
    d_last=d_history.loc[len(d_history.index)-1]
    year=int(d_last['Year'])
    bjp=int(d_last['Bhartiya Janta Party'])
    bsp=int(d_last['Bahujan Samaj Party'])
    cpi=int(d_last['Communist Party of India'])
    cpim=int(d_last['Communist Party of India
(Marxist)'])
    inc=int(d_last['Indian National Congress'])
    ncp=int(d_last['Nationalist Congress Party'])
    ind=int(d_last['Independent'])
    oth=int(d_last['Others'])
    print('')
    print('='*30,str(year)+' RESULTS '+'*30)
    print('Bhartiya Janta Party :',bjp)

```

```

    print('Bahujan Samaj Party :',bsp)
    print('Communist Party of India :',cpi)
    print('Communist Party of India
(Marxist) :',cpim)
    print('Indian National Congress :',inc)
    print('Nationalist Congress Party :',ncp)
    print('Independent :',ind)
    print('Others :',oth)
    print('='*len('='*30+str(year)+' RESULTS
'+ '='*30))
    print('')
#graph(participation=True)

#graph(party='Others',participation=True)

```

### 3. registrations.py :

```
import pandas as pd
import time
d_rep=pd.read_csv('representatives.csv')
d_voter=pd.read_csv('voters.csv')
parties=[]
for i in d_rep['Party Name']:
    if i not in parties:
        parties.append(i)
    else:
        continue

parties.remove('Independent')
parties.append('Independent')
def reg_cand(parties=parties,d_rep=d_rep):
    firstName=str(input('Enter your first name..
')).capitalize()
    lastName=str(input('Enter your last name...
')).capitalize()
    Name=lastName+', '+firstName

    Age=int(input('Enter your Age.. '))
    if Age >= 25 :
        time.sleep(1)
        print('')
        print('='*10+'Welcome '+Name+'='*10)
```

```

        print('')
        print('Select your party number or choose
independent if candidate is independent')
        print('')
        for i in range(len(parties)):
            print(str(i+1)+' ' + parties[i])
        print('')
        print('='*(len(list(Name))+28))
        print('')
        party=int(input(''))
        print('')
        party=parties[party-1]
    else:
        print('Minimum age for contesting elections
is 25 years hence you are not eligible')
        return None

    cons=str(input('Enter your
constituency...')).capitalize()
    state=str(input('Enter your
state...')).capitalize()
    constituency=cons+' ('+state+')'

d_rep.loc[len(d_rep.index)]=[Name,constituency,party]

    print('')
    print('='*10+'Your details'+ '='*10)

```

```

    print('Name : '+Name)
    print('Party Name : '+party)
    print('Constituency : '+constituency)
    print('='*32)
    print('')
    confirm=str(input('Confirm registration
(Y/N)?...'))
    if confirm in 'yY':

d_rep.to_csv('representatives.csv',index=False)
        time.sleep(1)
        return 'Registration done successfully!!'
    else:
        return None
def reg_voter(d_voter=d_voter):
    Name=str(input('Enter your name...
')).capitalize()
    print('')
    print('='*10+'Welcome '+Name+'='*10)
    print('')
    Age=int(input('Enter you Age... '))
    if Age>=18:
        cons=str(input('Enter your constituency...
')).capitalize()
        state=str(input('Enter your state...
')).capitalize()

```

```

        constituency=cons+' ('+state+')'
    else:
        print('Legal age for voters is 18 hence you
are not eligible')
    vid=cons.upper()[ :2]+str(len(d_voter.index)+1)
    insert=[Name,constituency,vid]
    d_voter.loc[len(d_voter.index)]=insert
    print('')
    print('='*10+'Your Details'+('='*10)
    print('Name : ',Name)
    print('Age : ',Age)
    print('Constituency : ',constituency)
    print('Voter ID : ',vid)
    print('='*32)
    print('')

    confirm=str(input('Confirm Registration
(Y/N)?... '))
    if confirm in 'yY':
        d_voter.to_csv('voters.csv',index=False)
        time.sleep(1)
        return 'Registration done successfully!!'
    else:
        return None

#print(reg_cand())
#print(reg_voter())

```

#### 4. IP class XII Practical.py :

```
import pandas as pd
import registrations
import graphs
import election
import time
d_history=pd.read_csv('history.csv')
d_rep=pd.read_csv('representatives.csv')
print('')
print('='*20+' WELCOME TO ELECTION PORTAL OF INDIA
 '+'*20)
time.sleep(1)
print('')
parties=[]
parties_h=list(d_history.columns)
parties_h.remove('Year')
parties_h.remove('votes')
parties_h.remove('Participation')
functions=['Register Voter','Register
Candidate','Conduct elections','Analysis','Results
of last conducted elections','Exit']
analysis=['Comparision between parties over the
years', 'Particular party performance',
'Participation of people in elections']
for i in d_rep['Party Name']:
    if i not in parties:
```



```

        parties.append(i)
    else:
        continue
start=True
while start==True:
    print('')
    print('*'*50)
    print('')
    print('                LIST OF ALL FUNCTIONS')
    print('')
    print('*'*50)
    print('')
    print('')
    for i in range(len(functions)):
        print(str(i+1)+' ')
        print(functions[i])
        print('')
    print('*'*50)
    print('')
    time.sleep(1)
    resp=input('Select the function by number... ')
    time.sleep(1)
    print('')
    try:
        if int(resp)==6:
            print('Exiting in 3...')
            time.sleep(1)
            print('2...')

```



```

        print('Last elections were
conducted in '+str(int(d_last['Year']))+' hence,
elections cant be conducted right now')
        print('='*90)
        print('')
        override=str(input('Override the
the gap (Y/N)?... '))
        print('')
        if override in 'yY':
            print('Beginning elections in
3...')

            time.sleep(1)
            print('2...')
            time.sleep(1)
            print('1...')
            time.sleep(1)
            print('NOW!!!')
            time.sleep(1)
            print('')
            d=election.run_election()
            sorted_dict = sorted(
                                d.items(),
                                key = lambda kv:
kv[1], reverse=True)

            d=dict(sorted_dict)
            total_votes=0
            for i in d:

```

```

        total_votes+=d[i]
    graphs.insert_into(year,d)
    print('')
    res=str(input('Display results
(Y/N)?... '))

    if res in 'yY':
        print('')
        print('='*70)
        for i in d:
            print(i+' :
'+str(int(d[i])))

        print('Total votes casted :
'+str(total_votes))

        print('='*70)
        print('')
        time.sleep(10)
    else:
        time.sleep(1)
        continue

    else:
        time.sleep(1)
        continue

else:
    print('Beginning elections in 3...')
    time.sleep(1)

```

```

        print('2...')
        time.sleep(1)
        print('1...')
        time.sleep(1)
        print('NOW!!!')
        time.sleep(1)
        print('')
        d=election.run_election()
        sorted_dict = sorted(
                                d.items(),
                                key = lambda kv:
kv[1], reverse=True)
        d=dict(sorted_dict)
        total_votes=0
        for i in d:
            total_votes+=d[i]
        graphs.insert_into(year,d)
        print('')
        res=str(input('Display results
(Y/N)?... '))

        if res in 'yY':
            print('')
            print('='*70)
            for i in d:
                print(i+' :
'+str(int(d[i])))

```

```

        print('Total votes casted :
'+str(total_votes))

        print('='*70)
        print('')
        time.sleep(10)
    else:
        time.sleep(1)
        continue
elif int(resp)==5:
    graphs.view()

    time.sleep(10)
elif int(resp)==1:
    print(registrations.reg_voter())
    print('')
    time.sleep(1)
elif int(resp)==2:
    print(registrations.reg_cand())
    print('')
    time.sleep(1)
elif int(resp)==4:
    print('')
    print('='*10,'Select mode of analysis
by its number', '='*10)
    print('')
    for i in range(len(analysis)):
        print(str(i+1)+' ',analysis[i])

```

```

        print('')
        print('='*(len('='*10+'Select mode of
analysis by its number'+ '='*10)+2))
        print('')
        ana=int(input())
        print('')
        time.sleep(1)
        if ana==1:

graphs.graph(party='all',participation=False)
            time.sleep(1)
        elif ana==2:
            print('='*10+' Select a party by
its indicated number '+ '='*10)
            print('')
            for i in range(len(parties_h)):
                print(str(i+1)+'')
'+parties_h[i])
            print('')
            print('='*len('='*10+' Select a
party by its indicated number '+ '='*10))
            print('')
            party=int(input())
            party=parties_h[party-1]

graphs.graph(party=party,participation=False)
            time.sleep(1)

```

```

        elif ana==3:

graphs.graph(party=None,participation=True)
        time.sleep(1)
    else:
        print('Enter input correctly...')
        print('Going to sleep mode for 30
seconds...')
        time.sleep(20)
        for i in range(0,10):
            print(10-i)
            time.sleep(1)
    except:
        print('Enter input correctly...')
        print('Going to sleep mode for 30
seconds...')
        time.sleep(20)
        for i in range(0,10):
            print(10-i)
            time.sleep(1)

```



# Outputs

1.

```
===== WELCOME TO ELECTION PORTAL OF INDIA =====
```

```
*****
```

```
LIST OF ALL FUNCTIONS
```

```
*****
```

```
1) Register Voter
```

```
2) Register Candidate
```

```
3) Conduct elections
```

```
4) Analysis
```

```
5) Results of last conducted elections
```

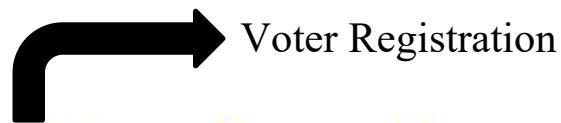
```
6) Exit
```

```
*****
```

```
Select the function by number... |
```

 Main Menu

2.



Select the function by number... 1

Enter your name... Tanmay

=====Welcome Tanmay=====

Enter you Age... 18

Enter your constituency... Jaipur

Enter your state... Rajasthan

=====Your Details=====

Name : Tanmay

Age : 18

Constituency : Jaipur (Rajasthan)

Voter ID : JA105

=====

Confirm Registration (Y/N)?... y

Registration done successfully!!



3.

Select the function by number... 2

Enter your first name.. Harish

Enter your last name... Verma

Enter your Age.. 32

← Candidate Registration

=====Welcome Verma, Harish=====

Select your party number or choose independent if candidate is independent

- 1) All India United Democratic Front
- 2) All India Trinamool Congress
- 3) Bhartiya Janta Party
- 4) Shiromani Akali Dal
- 5) Communist Party of India
- 6) Indian National Congress
- 7) Nationalist Congress Party
- 8) Communist Party of India (Marxist)
- 9) Bahujan Samaj Party
- 10) Independent

=====

10

Enter your constituency...Jaipur

Enter your state...Rajasthan

=====Your details=====

Name : Verma, Harish

Party Name : Independent

Constituency : Jaipur (Rajasthan)

=====

← Confirmation

Confirm registration (Y/N)?...y

Registration done successfully!!

4.

Select the function by number... 3

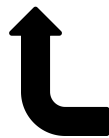
Enter current year election conduction...2016

=====

Elections are conducted within 5 years gap

Last elections were conducted in 2014 hence, elections cant be conducted right now

=====



Election conduction verification

Override the the gap (Y/N)?... y

Beginning elections in 3...

2...

1...

NOW!!!



Over rude permission

5.

Please enter voter ID or type "end" to end the elections... ja105

=====Welcome Tanmay=====

Parties/Candidates contesting from you constituency i.e. Jaipur (Rajasthan)

- 1) All India United Democratic Front
- 2) Bhartiya Janta Party
- 3) Verma, Harish(Independent)

=====

Choose one of them by number or their name

3

Thank you your vote registerd



Election conduction portal

6.

Please enter voter ID or type "end" to end the elections... end

Display results (Y/N)?... y

```
=====
Independent : 1
All India United Democratic Front : 0
All India Trinamool Congress : 0
Bhartiya Janta Party : 0
Shiromani Akali Dal : 0
Communist Party of India : 0
Indian National Congress : 0
Nationalist Congress Party : 0
Communist Party of India (Marxist) : 0
Bahujan Samaj Party : 0
Total votes casted : 1
=====
```



Ending elections and displaying results



7.

Select the function by number... 4

===== Select mode of analysis by its number =====

1) Comparision between parties over the years

2) Particular party performance

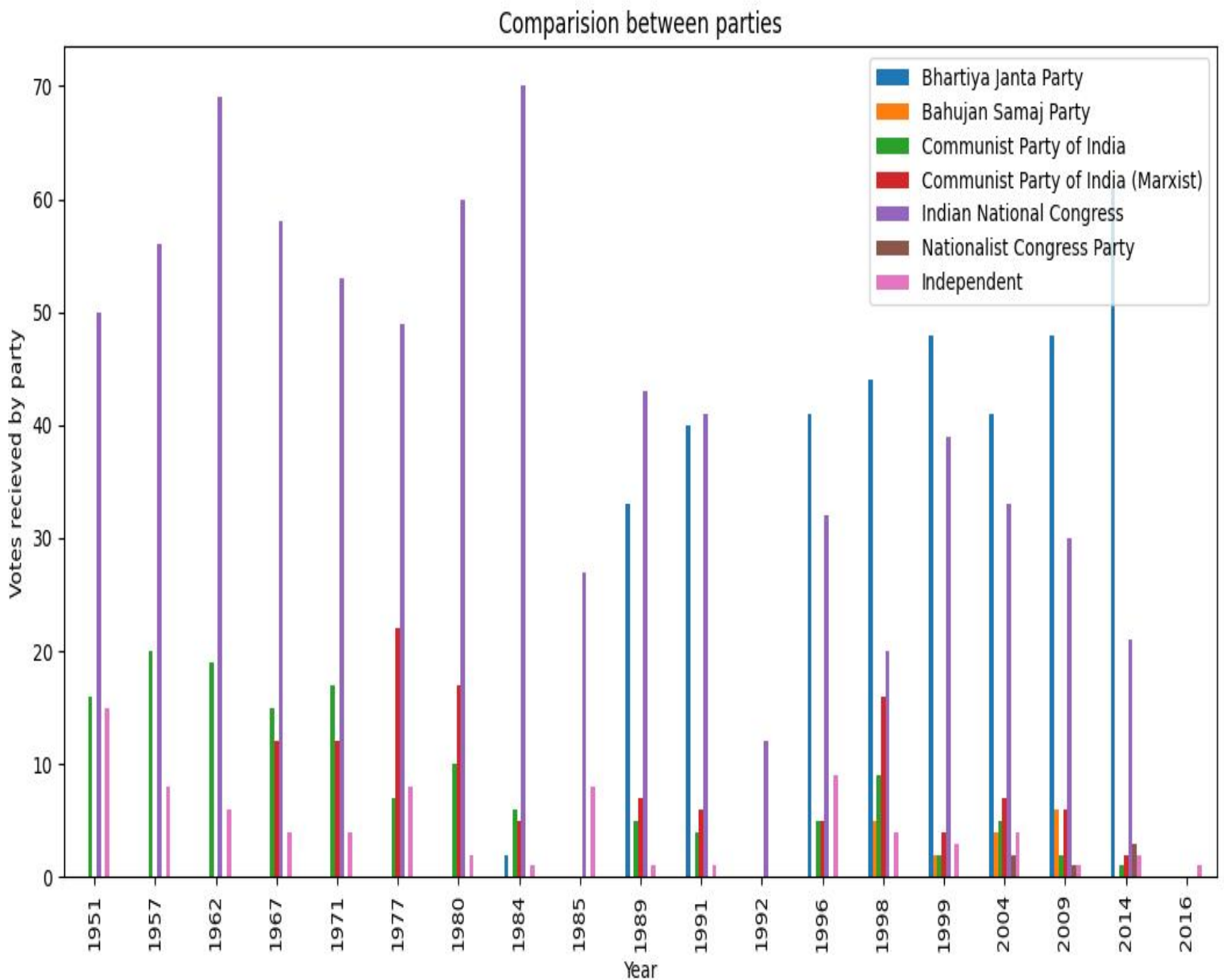
3) Participation of people in elections

=====



Analysis

8.



Comparison between parties



9.

Select the function by number... 4

===== Select mode of analysis by its number =====

- 1) Comparision between parties over the years
- 2) Particular party performance
- 3) Participation of people in elections

=====

2

===== Select a party by its indicated number =====

- 1) Bhartiya Janta Party
- 2) Bahujan Samaj Party
- 3) Communist Party of India
- 4) Communist Party of India (Marxist)
- 5) Indian National Congress
- 6) Nationalist Congress Party
- 7) Independent
- 8) Others

=====

1

=====

Party recieved less votes in last election than previous one...  
Party suffered setback!!!

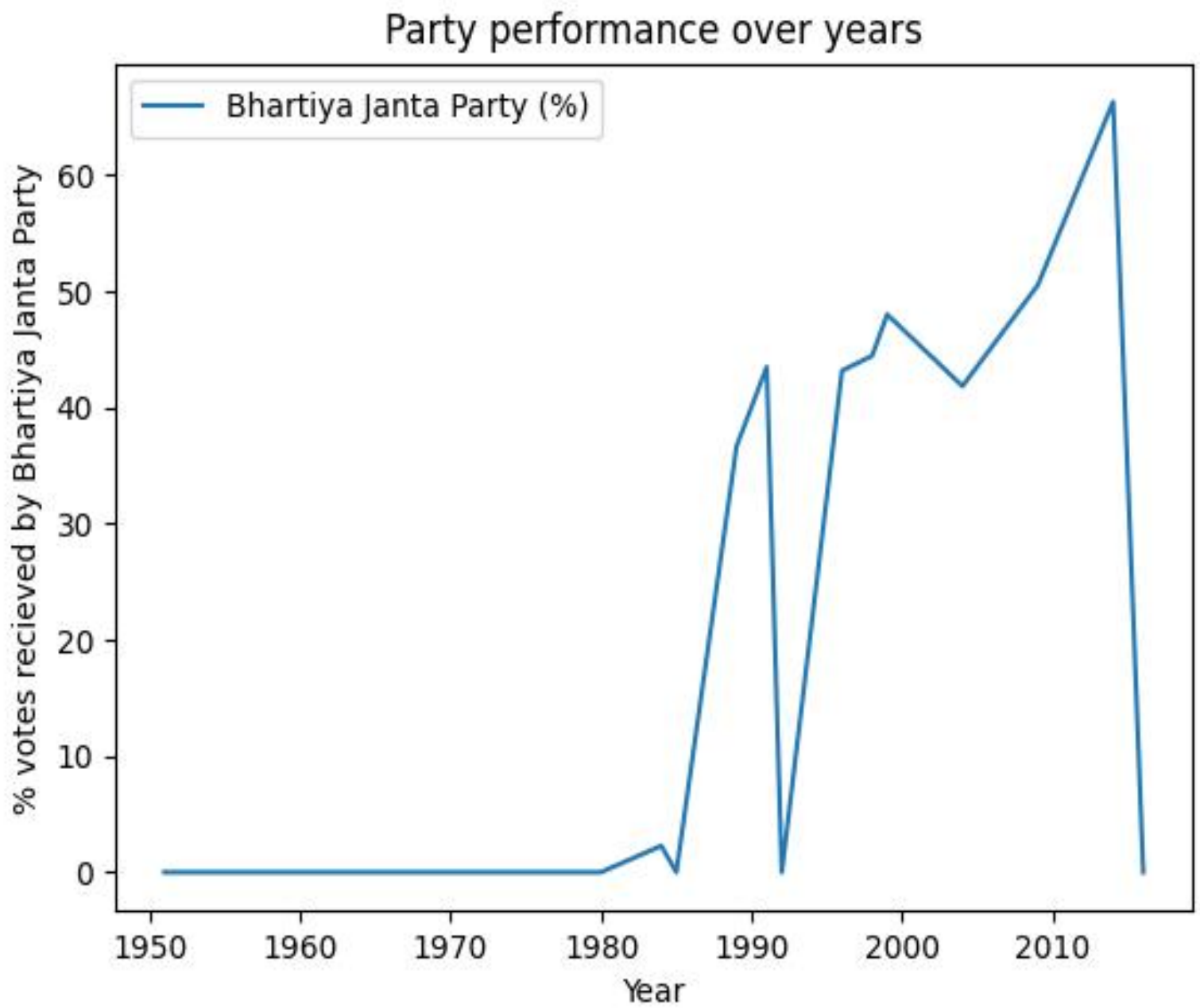
=====

View deatiled graph (Y/N)?...y



Particular party performance

10.



Detailed graph

11.

Select the function by number... 4

===== Select mode of analysis by its number =====

1) Comparision between parties over the years

2) Particular party performance

3) Participation of people in elections

=====

3

=====

Less people participated in last elections than in previous one...

Participation suffered setback!!!

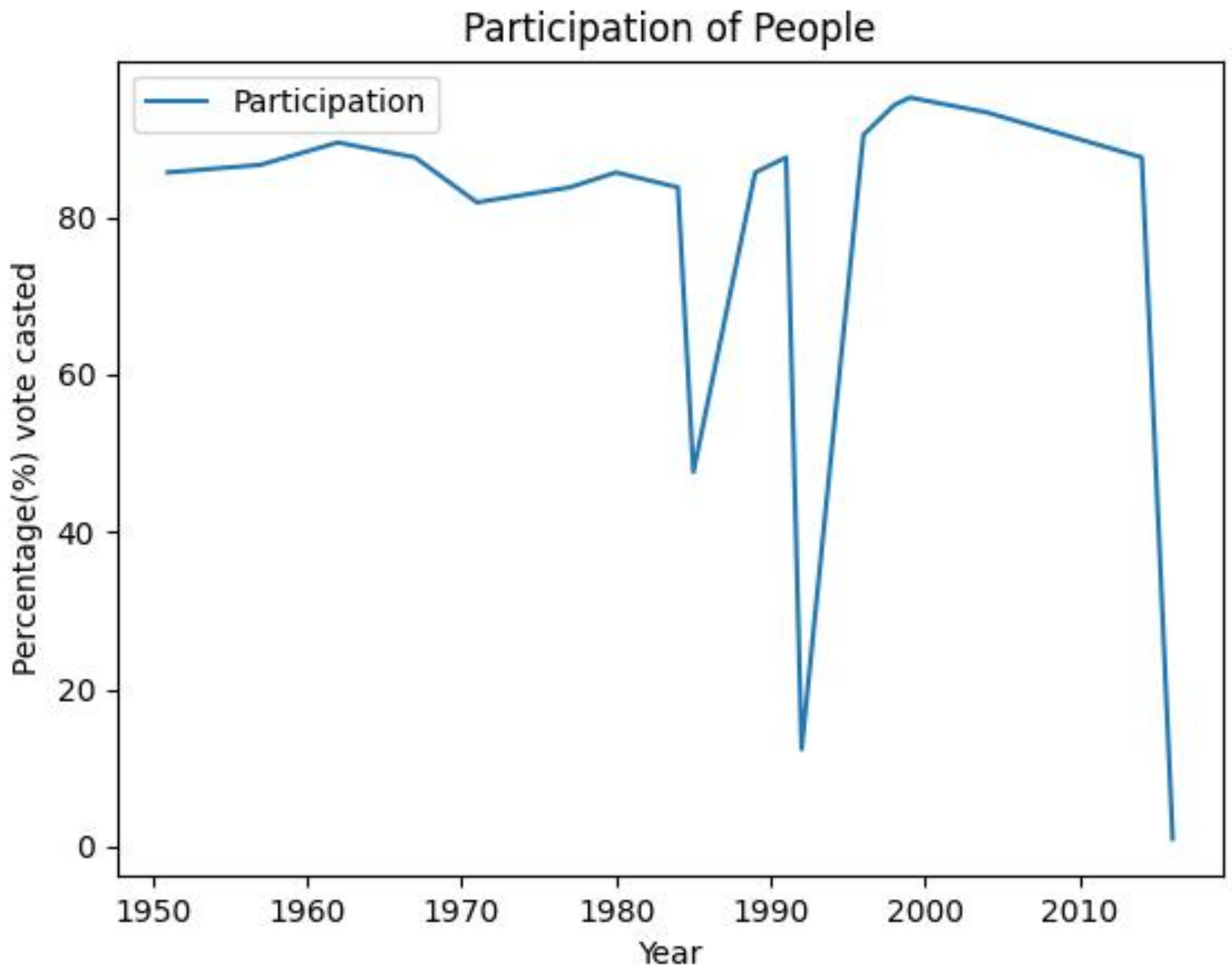
=====

View detailed graph of Participation (Y/N)?...y



People's participation

12.



Detailed Graph

13.

Select the function by number... 5

```
===== 2016 RESULTS =====  
Bhartiya Janta Party : 0  
Bahujan Samaj Party : 0  
Communist Party of India : 0  
Communist Party of India (Marxist) : 0  
Indian National Congress : 0  
Nationalist Congress Party : 0  
Independent : 1  
Others : 0  
=====
```



Results of last conducted elections

14.

Select the function by number... 6

Exiting in 3...

2...

1...

```
***** *      *      *      *      * * *      *      *      *      *
 *      *      *      * *      * *      * * *      *      *      *      *
 *      ***** *****      * *      * * *      *      *      *      *
 *      *      * *      *      *      * * *      *      *      *      *
 *      *      * *      *      *      * * *      *      *      *      *
 *      *      * *      *      *      * * *      *      *      *      *
 *      *      * *      *      *      * *      *      *      *      *
```

|



Exiting the portal