**Create-A-Thon**

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| **Team Name** | D DEV |
| **Team Members** | Akhil Tiwari, Ayush Dhanai, Himanshu Negi, Rishabh Mall |
| **Theme** | Crowd Sourced Election Monitoring Service |

**One line pitch of your idea**

A smart, facial recognition based voter registering system for elections.

**Problems, you are solving**

Managing crowd during election, authentication and identification of each individual

**Description of Solution/Product provided**

* Creating a sample dataset of faces for each user which allocates unique ID to each user.
* Training an Image Classifier, created using transfer learning on pre-trained models to learn to classify these faces to their respective IDs.
* Once the model is trained, the accuracy of the model is computed on the testing data.
* A database which will record whether the user has voted or not.
* These are all on the top of a web application which test the feasibility of the product and gives useful statistics and insights of the election program.

**Competitors (Put it simply using SWOT Analysis)**

**What innovation are you bringing?**

We are enhancing the current ways of authentication and authorization of the election program in India with the help of advancement in deep learning and IOT (Internet of things.)