 **HMR Institute of Technology and Management**

**Plot No. 370, Hamidpur, Delhi-110036**

Computer Science Department

**WEEKLY PROGRESS REPORT**

**WPR Date**: **WPR of Week : WPR’s remaining:**

05 September, 2017 Second-Third Week 4 remaining

Group Member Details :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Programme :** B.Tech | | **Year/Semester :** 7th year(Final Year) | | |
| Sno. | Enrolment no. | | Name | Signature |
| 1 | 02313302714 | | Vidit Agarwal | vidit |
| 2 | 02413302714 | | J S Radhe Shyam | JSR |
| 3 | 07613302714 | | Gaurav Badola | Gaurav |
| 4 | 06013302714 | | Vyshakh Raju | Vyshakh |

**Minor Project Title** : “ Acquittal Search “

**Name of Guide(s) :** Asst Prof. URVASHI SUGANDH

**Signature of Guide(s)**

**Date : 4Sept, 2017**

**Target Set For the Week** :

Following are the target that we have set for the week :

*1.) Collection of the various law cases .*

*1.1) Our resources contain finding various cases details and their description which is quite important for our project .It will be shown in the results of the queries enterd by the user .*

*1.2) Finding different NGO WORKING in India. In this module , we are planning to collect some NGO information which will be provided as a help to the user for reaching out to the court or for courts*

*1.3) Finding more lawyers details . We have succeeded in getting aroud 5000 details , bur for our project it is vry less . So , we are contiously searching for more lawyers in the market.*

*1.4) Trying to collect meta tag . Meta tag will play very crucial role in our project . They will be the central part of our project . So , we are planning to collect or get them . For this , we are trying many different approaches to collect them.*

*2.) Making the algo and the plan for the next module of the quey analysis*

*3.) Forming the database of the lawyers(~ 40,000 collected so far). After collecting the lawyers details , it was time for forming the database , so that we can use them later on in the project . We have set the target for writting the code for this.*

*4.)Making the plans for the next week. We have planned what we are going to do in next week and has made a strategy for this.*

**ACHIEVEMENTS FOR THE WEEK:**

Following are the achievements that we have got in this week :

*1.) We have got the success in writing the code for the lawyers and their databse . We have put it on line . Right Now , We are searching more such lawyer data and will push it to the database of our project*

*2.) We have successfully setup our server and installed all the libraries for the project .*

*3.) We have successfully set up our database .*

*4.) We are now working on the next part of the database which is cases databases , We have got around 1 lakh(> ) cases from diff courts of IndiaBut this amount is very less . We are expecting to have more then 10 lakh cases , so that we can train our model on that to predict some predictions*

*5.) We have made the approaches for the next stage i.e. the query analysis and has started working on it*

*6.) We have collected almost all our resource which will be requird during the project*

**FUTURE WORK PLAN:**

In next week , we have decided to work on the first module which is “**QUERY ANALYSIS**” **module .** In this module , we are going to enter the queries in the normal human form as we human type in english language like “**What is the punishment of the crime ?**” We have to analyse queries and extract meta tags/keywords from the query like in the above mentioned query , meta tags will be “**punishment**”,”**crime**”. After this , we are going to search our db according to this meta tag only . So, for next week our main target is to complete this module and to start work on the next module after this

For this , we have planned to approach this problem in two ways i.e. first we will going to form a meta tag db – a complete list of such words from the law , cases , constitution etc that hav the potential to serve as the meta tag . But this approach is very time taking and has some dis-advantage in long run . First , it will take more than a year to form such list and after analysing the query using this list will be very slow and time taking which is not good for our project

Second approach , that we have thought is to analyse without the need of meta tag . This approach is although tough to implement but has several advantage over the first approach i.e. in this approach without specifying the meta tags , we will going to extract them from the query . that’s the wonderful part of it. For this , we will requiring ML , and NLP . So for better and fast this approach is good . Also this approach is faster then first one and good for our such vast dynamic project

**WEEK’s SUMMARY:**

|  |  |
| --- | --- |
| **Days/Time** | **5 days a week(Mon to Fri)** |
| **Monday** | Installling the required lib in server |
| **Tuesday** | Putting the collected lawyer data into the database and connect it to server |
| **Wednesday** | Writing the code for forming the cases data base |
| **Thursday** | Trying to collect cases of diff courts in India on which our model will train |
| **Friday** | Making plan for next week and for query analysis module |