

FOR ASSISTING WITH SIMILAR CASE OUTCOMES

NATIONAL INFORMATICS CENTRE

AI IN JUDICIARY

What is the problem?

• The **Indian Judiciary** administers a *common law system* of legal jurisdiction. The defining characteristic of "common law" is that it arises as precedent.

Who has this problem?

• If a similar dispute has been resolved in the past, the court is usually bound to follow the reasoning used in the prior decision. Here the stakeholder is Lower Judiciary.

Why should this problem be solved?

• Insight gained from 3 crore Case orders and Judgements lying in unstructured pdfs can help judiciary with case summarization and disposal in a time bound manner.

How will I know this problem has been solved?

 System will provide confidence score of the prediction of the incoming case detail categorization along with a listing of similar case outcomes with their confidence scores.

ENVISAGED SOLUTION

Build language model

- Machine Translation from Hindi legal case outcomes corpus to English
- Add to the corpus for building language model. Constraint is availability of parallel corpus.

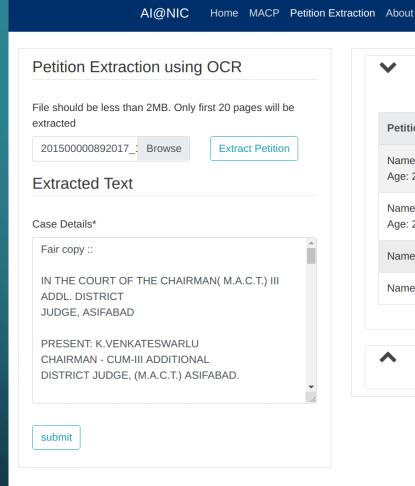
Build classification model

- Ouse the language model built in previous step
- OUse annotated data for training model on prediction of case outcome through classification as can be allowed/ rejected/ partly allowed/ settled with confidence score.
- ©Constraint will be amount of annotated data available for machine learning.

Build cognitive search

- ©Require to build search that uses artificial intelligence to return results that are more relevant to the user and the problem at hand
- Auto text summarization technique which could quickly and accurately summarize voluminous texts

CASE STUDY - MOTOR ACCIDENTS CLAIM PETITION





profile logout

SIMILAR CASE SEARCH - MOTOR ACCIDENT CLAIM PETITION

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58.71453881263732

57.28572010993958

56.42669796943666

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IN THE COURT OF THE CHAIRMAN(M.A.C.T.) III ADDL. DISTRICT JUDGE, ASIFABAD PRESENT: K.VENKATESWARLU CHAIRMAN - CUM-IIT ADDITIONAL DISTRICT JUDGE, (M.A.C.T.) ASIFABAD.		tamilnadu/cbepdj /231509011722010_4	29	died	15000	rejected	57.28572010993	
		Loss of dependency/Loss of		NA	Citations Managing Director, Tamil Nadu Transport Corporation .vs. R. Nadhini 2016 (2) TNMAC 179, Baskar .vs. The Superintendent of Police, Namakkal District and 2 others			
		Earnings(Past,Present & Future)(₹) Hospital, Medical and other incidental expenses (₹)		NA				
		Compensation(₹)		50000				
		Interest Awarded (%)			 CDJ 2013 MHC 4371:2014(1) MLJ 371,New India Assurance Co.I tdvs. Saraswathi and 4 			