**PYTHON CRAWLER PROJECT**

**PHASE ONE**

1. Creating python website crawler for live scraping "coinmarketcap.com" and from "spir.ai" (also if we can make a screen capture of charts at those moments it will be a big plus).

2. Auto creating template of excel tables and importing scraped data’s in it

3. Auto storage history reports on google drive or any other cloud drive.

**PHASE TWO**

Finish python crawler/scrappy node to perform all functions:

1. Live crawling/scraping of www.coinmarketcap.com (market capitalization page, volume pages: exchanges and currency)

1.1 Create a function for manual capturing those datas and extract them into xls table (excel pre-defined template)

1.2 Scheduled (every day at 12am) auto-save xls report and storing it on google drive.

2. Create MySql for storing re-calculated data captured on pre-defined intervals.

2.1 Function for re-calculating collected data from www.coinmarketcap.com in order to calculate % changes of different indicators for different time intervals.

2.2 List of columns: 1d RSI 1d Stoch RSI 1d Vol % 1h RSI 1h Stoch RSI 1h Vol % 1mo Vol % 1w Vol % 30min RSI 30min Stoch RSI 30min Vol % 5min RSI 5min Stoch RSI 5min Vol % Available Supply Avg Day % Avg Hour % Avg Month % Avg Week % Coin Day % Day High % Day Low % Hour % Last 30 Days Market Market Cap Market Vol Month % Month High % Month Low % Name Price Site Status Total Supply Week % Week High % Week Low %

**PHASE THREE**

Develop a GUI for displaying the results of live tracks and history stored in the Mysql database of all previously recorded, re-calculated and saved changes and information on all collated coins.

Important note: <https://www.evernote.com/shard/s655/sh/4de93706-0b22-4d20-be14-5dbecc73c64e/08cb561b25f35ff6c8a594aff0f2d54a>