```
-- Load the dataset
data = LOAD 'dataset.txt' AS (line:chararray);

-- Split each line into individual words
words = FOREACH data GENERATE FLATTEN(TOKENIZE(line)) AS word;

-- Add a delimiter after every 4th word
indexed_words = RANK words;
indexed_grouped = GROUP indexed_words BY (int)($0/4);
formatted_data = FOREACH indexed_grouped {
sorted_words = ORDER indexed_words BY $1;
GENERATE FLATTEN(sorted_words.$1) AS word;
}

-- Convert the formatted data into table form with 4 columns (marks, department, name, regno)
table_data = FOREACH formatted_data GENERATE
FLATTEN(TOKENIZE(word)) AS marks,
FLATTEN(TOKENIZE(word)) AS department,
FLATTEN(TOKENIZE(word)) AS name,
FLATTEN(TOKENIZE(word)) AS regno;

-- Filter out records for department DSE
dse_data = FILTER table_data BY department == 'DSE';

-- Display the filtered data
DUMP dse_data;

-- Store the result in a file
STORE dse_data INTO 'output.txt' USING PigStorage(',');

-- Display a success message
DESCRIBE dse_data;
```