**CS 419 Compiler Project Form**

**Project Idea: ……Project (2)………………………………………………………….**

**Team Members NO#: ………(13)…………………………..**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | name | Level & depart | Section (day from – to) | Role (lead/member) | Grade |
| 201900383 | صلاح طه يحى | 3- Cs | الخميس من 12-2 | Leader |  |
| 201900338 | سعيد احمد سعيد | 3-Cs | الخميس من 12-2 | Member |  |
| 201900354 | سمير بدر سمير | 3-Cs | الخميس من 12-2 | Member |  |
| 201900392 | عادل رجب فتح الله | 3-Cs | الاربع من  2-4 | Member |  |
| 201900540 | عمرو مجدى | 3-Cs | الخميس من 12-2 | Member |  |

**Regular Expression, Finite automata and Conversion from RegX to NFA, NFA to DFA**

Text, whiteboard

Description automatically generated

Text

Description automatically generated with low confidence

Calendar

Description automatically generated with medium confidence

A picture containing letter

Description automatically generated

A picture containing chart

Description automatically generated

A picture containing timeline

Description automatically generated

A picture containing background pattern

Description automatically generated

**Background pattern

Description automatically generated**

**Background pattern

Description automatically generated**

**Text, letter

Description automatically generated**

**A piece of paper with writing on it

Description automatically generated**

**A picture containing timeline

Description automatically generated**

**A picture containing whiteboard

Description automatically generated**

**A picture containing text

Description automatically generated**

**Timeline

Description automatically generated**

**A picture containing text, whiteboard

Description automatically generated**

**Transition Table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | (<,>) | Letter | Digit | (+,-,\*,/,~,.,”,’,{,},[,],(,) ) | (&,|) | = | ! | Other (White Space , ;) | Accept |
| 1 | 2 | 4 | 5 | 6 | 7 | 2 | 9 | 1 | No |
| 2 |  |  |  |  |  | 3 |  | 11 | No |
| 3 |  |  |  |  |  |  |  | 11 | No |
| 4 |  | 4 | 4 |  |  |  |  | 11 | No |
| 5 |  |  | 5 |  |  |  |  | 11 | No |
| 6 |  |  |  |  |  |  |  | 11 | No |
| 7 |  |  |  |  | 8 |  |  |  | No |
| 8 |  |  |  |  |  |  |  | 11 | No |
| 9 |  |  |  |  |  | 10 |  |  | No |
| 10 |  |  |  |  |  |  |  | 11 | No |
| 11 |  |  |  |  |  |  |  | 1 | Yes |