



COMP704 Research and Development Project

**VN01** 3D acupuncture healthcare data management and treatment system

# Team Skills Analysis Matrix

**Supervisor:**

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**Team Members:**

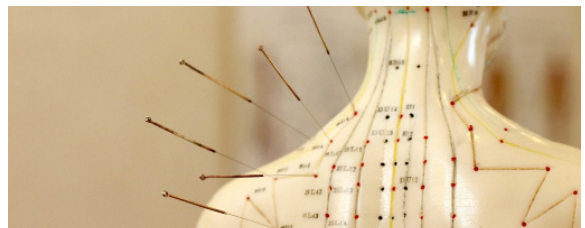
|          |                    |
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**Version:**

1.0

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## DOCUMENT VERSION CONTROL

### 1. DOCUMENT INFORMATION

Document code     **SAM**

Document title     **Team Skills Analysis Matrix**

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Authors             **Nhan Nguyen Cao, Chuong Pham Dinh**

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Release definition   **Only released as a finished document**

### 2. DOCUMENT SIGN-OFF

| ID       | Member         | Role            | Signature   | Timestamp            |
|----------|----------------|-----------------|---|----------------------|
| 21142355 | Tan Le Tran Ba | Project Manager |  | 20 Oct 2022<br>13:45 |

### 3. DOCUMENT VERSIONS

| Version    | Timestamp            | Description   | Responsible members   |
|------------|----------------------|---|---|
| <b>1.0</b> | 19 Oct 2022<br>10:30 | Based on the prior experience and skills evaluation, the Skills Analysis Matrix for the whole team was created. | <b>Nhan Nguyen Cao</b><br>(21142377)<br><b>Chuong Pham Dinh</b><br>(21142643) |

## TEAM SKILLS ANALYSIS MATRIX

Table 1 - Skills analysis matrix

| Group                                  | Skill                  | Chuong Pham Dinh |     |     |    | Nhan Nguyen Cao |     |     |    | Tan Le Tran Ba |     |     |    | Trang Ho Ngoc Thao |     |     |    | Total |
|--|------------------------|------------------|-----|-----|----|-----------------|-----|-----|----|----------------|-----|-----|----|--------------------|-----|-----|----|-------|
|  |                        | ✓                | 1-3 | 3-5 | >5 | ✓               | 1-3 | 3-5 | >5 | ✓              | 1-3 | 3-5 | >5 | ✓                  | 1-3 | 3-5 | >5 |       |
| Front-end                              | React.js               |                  | ✓   |     |    |                 |     | ✓   |    |                | ✓   |     |    |                    | ✓   |     |    | 10    |
|  | Three.js               | ✓                |     |     |    |                 | ✓   |     |    | ✓              |     |     |    | ✓                  |     |     |    | 2     |
| Back-end                               | NestJS                 | ✓                |     |     |    |                 | ✓   |     |    | ✓              |     |     |    |                    |     | ✓   |    | 6     |
| Databases                              | MySQL                  |                  |     | ✓   |    |                 |     |     | ✓  |                |     | ✓   |    |                    |     | ✓   |    | 18    |
|  | MongoDB                |                  | ✓   |     |    |                 | ✓   |     |    |                | ✓   |     |    |                    |     | ✓   |    | 10    |
| CI/CD                                  | CircleCI               |                  | ✓   |     |    |                 |     | ✓   |    |                | ✓   |     |    |                    |     | ✓   |    | 12    |
| Testing                                | Jest                   |                  |     | ✓   |    |                 |     | ✓   |    |                | ✓   |     |    |                    |     | ✓   |    | 14    |
|  | Puppeteer              |                  |     | ✓   |    |                 | ✓   |     |    |                | ✓   |     |    |                    | ✓   |     |    | 10    |
|  | Apache JMeter          |                  | ✓   |     |    |                 | ✓   |     |    |                | ✓   |     |    |                    |     | ✓   |    | 10    |
| pm, version, and dependency management | npm                    |                  | ✓   |     |    |                 |     | ✓   |    |                | ✓   |     |    |                    |     |     | ✓  | 14    |
|  | Git & Github           |                  | ✓   |     |    |                 |     |     | ✓  |                |     | ✓   |    |                    |     |     | ✓  | 18    |
| Deployment                             | Vercel                 |                  | ✓   |     |    |                 |     | ✓   |    |                | ✓   |     |    |                    |     | ✓   |    | 12    |
|  | Heroku                 |                  | ✓   |     |    |                 |     | ✓   |    |                | ✓   |     |    |                    | ✓   |     |    | 10    |
|  | Firebase Deploy        |                  | ✓   |     |    |                 |     |     | ✓  |                | ✓   |     |    |                    |     | ✓   |    | 14    |
| Soft skills                            | Self-discipline        |                  |     | ✓   |    |                 |     | ✓   |    |                |     | ✓   |    |                    |     | ✓   |    | 16    |
|  | Teamwork               |                  |     |     | ✓  |                 |     | ✓   |    |                |     | ✓   |    |                    |     |     | ✓  | 22    |
|  | Professionalism        |                  |     | ✓   |    |                 |     | ✓   |    |                |     | ✓   |    |                    |     | ✓   |    | 16    |
|  | Critical thinking      |                  |     | ✓   |    |                 |     | ✓   |    |                |     | ✓   |    |                    |     | ✓   |    | 16    |
|  | Working under pressure |                  |     | ✓   |    |                 | ✓   |     |    |                |     | ✓   |    |                    |     | ✓   |    | 14    |
|  | Documentation          |                  |     | ✓   |    |                 |     |     | ✓  |                | ✓   |     |    |                    |     | ✓   |    | 16    |
|  | Presentation           |                  |     |     | ✓  |                 | ✓   |     |    |                |     | ✓   |    |                    | ✓   |     |    | 16    |