

| CRONOGRAMA SEGUIMIENTO LÍNEAS DE INVESTIGACIÓN |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             |                      |  |  |
|------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|------------------------------|----|----|----|----|----|----|----|----|-----|--------|-------------|----------------------|--|--|
| TEMA:                                          |      | Análisis del consumo de combustible que presenta los vehículos híbridos en ciudades asentadas sobre los 2000 metros del nivel del mar |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             |                      |  |  |
| LÍNEA DE INVESTIGACIÓN:                        |      | Análisis del consumo de combustible en un vehículo híbrido                                                                            |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             |                      |  |  |
| NOMBRE DE ESTUDIANTE:                          |      | Diego Alexander Garzón Terán                                                                                                          |    |    |    |    |    |    |    |    |    |    |    |    |    | CARRERA: Mecánica Automotriz |    |    |    |    |    |    |    |    |     |        |             |                      |  |  |
| NOMBRE DE ESTUDIANTE:                          |      | Joshua Fernando León Santi                                                                                                            |    |    |    |    |    |    |    |    |    |    |    |    |    | LÍNEA DE INVESTIGACIÓN       |    |    |    |    |    |    |    |    |     |        |             |                      |  |  |
| NOMBRE DE TUTOR:                               |      | Ing. Nelson Guerrero                                                                                                                  |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             |                      |  |  |
| ACTIVIDADES                                    | 2020 |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    | MES | SEMANA | OBSERVACIÓN | FIRMA DE RESPONSABLE |  |  |
|                                                | S1   | S2                                                                                                                                    | S3 | S4 | S1 | S2 | S3 | S4 | S1 | S2 | S3 | S4 | S1 | S2 | S3 | S4                           | S1 | S2 | S3 | S4 | S1 | S2 | S3 | S4 |     |        |             |                      |  |  |
| INTRODUCCIÓN                                   | X    | X                                                                                                                                     |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        | 1           | S1                   |  |  |
| ESTADO DEL ARTE                                |      | X                                                                                                                                     | X  |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S2                   |  |  |
| OBJETIVOS                                      |      |                                                                                                                                       | X  | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S3                   |  |  |
| REVISIÓN BIBLIOGRÁFICA                         |      |                                                                                                                                       | X  | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S4                   |  |  |
| ALCANCE                                        |      |                                                                                                                                       |    | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S1                   |  |  |
|                                                |      |                                                                                                                                       |    | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S2                   |  |  |
|                                                |      |                                                                                                                                       |    | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S3                   |  |  |
|                                                |      |                                                                                                                                       |    | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S4                   |  |  |
| METODOLOGÍA                                    |      |                                                                                                                                       |    | X  |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S1                   |  |  |
| PLANTEAMIENTO DE LA HIPÓTESIS                  |      |                                                                                                                                       |    | X  | X  | X  | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S2                   |  |  |
| RECOLECCIÓN DE DATOS                           |      |                                                                                                                                       |    |    |    | X  | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S3                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S4                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S1                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S2                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S3                   |  |  |
| EXPERIMENTACIÓN                                |      |                                                                                                                                       |    |    |    |    | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S4                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    | X  |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S1                   |  |  |
| FORMULACIÓN DE PROBLEMA                        |      |                                                                                                                                       |    |    |    | X  | X  | X  | X  |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S2                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    | X  |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S3                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    | X  | X  | X  | X  | X  |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S4                   |  |  |
| RESULTADOS                                     |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              | X  |    |    |    |    |    |    |    |     |        |             | S1                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              | X  |    |    |    |    |    |    |    |     |        |             | S2                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              | X  | X  | X  |    |    |    |    |    |     |        |             | S3                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    | X  |    |    |    |    |    |     |        |             | S4                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    | X  |    |    |    |    |    |     |        |             | S1                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    | X  |    |    |    |    |     |        |             | S2                   |  |  |
| CONCLUSIONES                                   |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    | X  | X  | X  | X  |    |     |        |             | S3                   |  |  |
|                                                |      |                                                                                                                                       |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |    |    |    |    |    |    |    |     |        |             | S4                   |  |  |

REALIZADO POR:

|                       |       |
|-----------------------|-------|
| NOMBRE DEL ESTUDIANTE |       |
| NOMBRE                | FIRMA |

REVISADO POR:

|                  |       |
|------------------|-------|
| NOMBRE DEL TUTOR |       |
| NOMBRE           | FIRMA |

APROBADO POR:

|        |       |
|--------|-------|
|        |       |
| NOMBRE | FIRMA |