TAMILNADU SKILL DEVELPOMENT CORPORATION
Naan Mudhalavan Niral Thiruvizha

Review-I

1.Name of the College   : Karpagam Institute of Technology

2. College Code   : 7212

3.Theme   : Information/Communication Technology

4.Problem Statement   : How might you create a user-friendly software solution to map government schemes to beneficiaries based on their socio-economic background? Ensure real-time access and a citizen-centric design for efficient grievance redressal.

5.Faculty Guide Details : Mrs.B.Tamil selvi ,
　　　　　　　　　　　　 Assistant Professor ,
　　　　　　　　　　　　 Department of Electronics and communication engineering,
　　　　　　　　　　　　 Karpagam Institute of Technology,
　　　　　　　　　　　　 Coimbatore-641105,
　　　　　　　　　　　　 Email- tamilselvi.ece@karpagamtech.ac.in
　　　　　　　　　　　　 Mobile : 9894353403

Team Leader Name	AU Reg No	Year	Department	Mobile No
1. Santhosh k	721221106305	IV	ECE	8111052234

6. Attach photos of the protype/ App / Software :

Processing, Analyzing and Interpreting the real-time sample data

```python
async def save_image_file(file: UploadFile, document_type: str) -> str:
    allowed_formats = {"image/png": "png", "image/jpeg": "jpg"}
    extension = allowed_formats.get(file.content_type)
    if not extension:
        logger.error(f"Unsupported image format: {file.content_type}")
        raise HTTPException(status_code=400, detail="Unsupported image format")

    normal_path = await save_file(file, extension)
    return normal_path

async def extract_text_from_image(image_path: str, document_type) -> str:
    if document_type == "gate_score":
        return remove_watermark(image_path)
    async with aiofiles.open(image_path, "rb") as f:
        image_data = await f.read()

    async with httpx.AsyncClient(timeout=30.0) as client:
        try:
            response = await client.post(
                f"http://{ocr_server}:8001/extract-text",
                files={"file": (os.path.basename(image_path), image_data, "image/png")}
            )
            response.raise_for_status()
        except httpx.HTTPStatusError as e:
            logger.error(f"API Error: {e.response.text}")
            raise HTTPException(status_code=500, detail="Text extraction API failed")
        except Exception as e:
            logger.error(f"HTTP request error: {e}")
            raise HTTPException(status_code=500, detail="Unable to connect to text extraction API")

        return response.json()
```
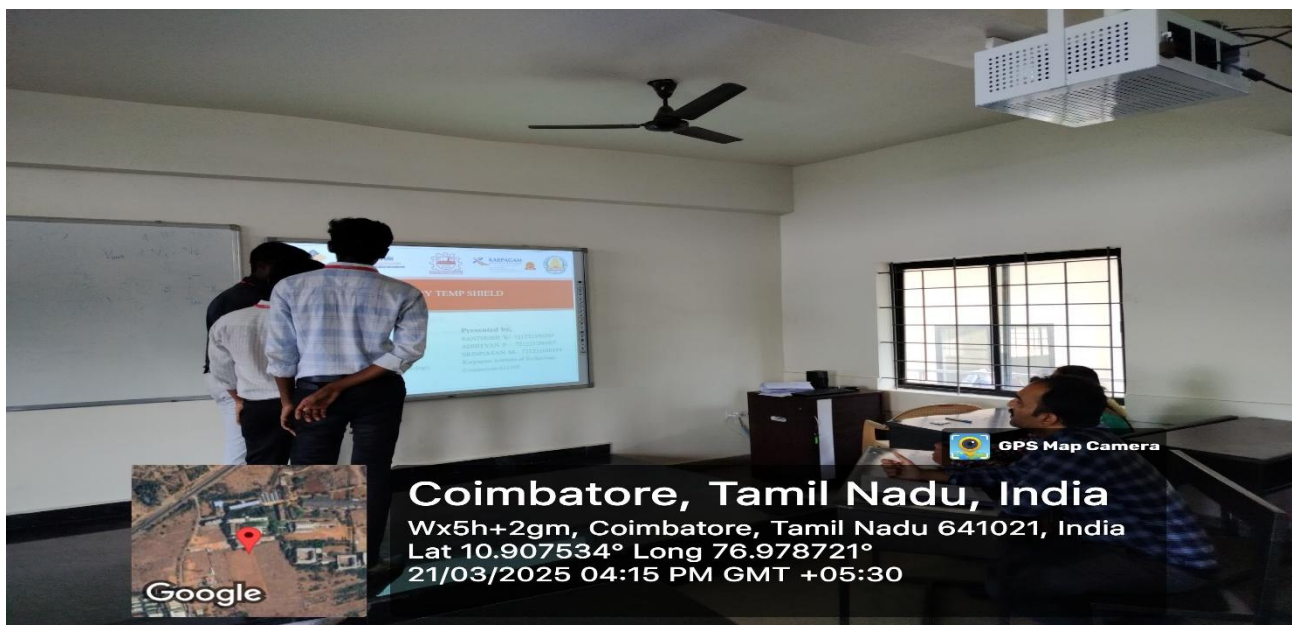
7. Attach photos of the 1st review being conducted:

Coimbatore, Tamil Nadu, India
Wx5h+2gm, Coimbatore, Tamil Nadu 641021, India
Lat 10.907534° Long 76.978721°
21/03/2025 04:15 PM GMT +05:30

UNDERTAKING

1. The college will provide the basic infrastructure and other required facilities to the students for timely completion of their projects.

2. The college will undertake the financial and other management responsibilities of the project also; college will be responsible in following the time lines.

3. The college will ensure that the funds provided are utilized only for the purpose provided and any remaining amount will be returned back to the University after the time of completion of the project.

4. I hereby declare that the details furnished above are true and correct.

Signature of Faculty Guide   **Signature of Principal**