

In collab when we run the code we get in this format

```
=====
PROCESSING: page_30_preprocessed.jpg
=====
```

```
→ Pre-processing: Starting...
  • Correcting tilt...
  • Removing noise...
  • Enhancing contrast...
  • Saved preprocessed: page_30_preprocessed_preprocessed.jpg
✓ Pre-processing: Complete
→ OCR: Extracting text with Groq Vision...
✓ OCR: Extraction complete
→ Text Cleaning: Processing...
✓ Text Cleaning: Complete
✓ Saved: output/page_30_preprocessed_structured.json
✓ Saved: output/page_30_preprocessed_report.txt
✓ Saved: output/page_30_preprocessed_preprocessed.jpg
→ Creating redacted image...
✓ Redaction complete
✓ Saved redacted image: output/page_30_preprocessed_redacted.jpg
=====
```

EXTRACTION SUMMARY

Patient: Santosh Pradhan (36/M)

Medical Notes: 2

Note 1: Progress Note

└ Doctor: Dr. Pruthia

└ Date: 11/9/24 3:30 PM

└ Medications: 4

- Inj THIAMINE (200) 100 ml NS TID
- Inj LOPEZ (1amp) slow IV TDS as - q sos
- Inj PAN (40) 1 vial IV BD
- ... and 1 more

Note 2: Progress Note

└ Doctor: Dr. Hiranmaya Mohanta

└ Date: 11/9/25 12:00 PM

└ Medications: 4

- Inj THIAMINE (200) 100 ml NS TID
- Inj LOPEZ (1amp) slow IV TDS as - q sos
- Inj PAN (40) 1 vial IV BD
- ... and 1 more

Total PII Detected: 7 items across 6 categories

The overall output of the model will be given as zip file where we need to download and extract it which consist of all this outputs

Summary text

D: > Download1 > results >  page_14_pii_summary.txt

```
1  === PII REDACTION SUMMARY ===
```

```
2  |
```

```
3  [DOCTOR_NAME] Dr. H.M (Confidence: high)    No link definition found: 'DOCTOR_NAME'
4  [DOCTOR_NAME] Dr. Rakesh (Confidence: high)  No link definition found: 'DOCTOR_NAME'
5  [DOCTOR_NAME] Dr. A. Mahapatra (Confidence: high)  No link definition found: 'DOCTOR_NAME'
6  [DOCTOR_NAME] Dr. S. Dash (Confidence: high)    No link definition found: 'DOCTOR_NAME'
7  [DATE] 11/4/25 (Confidence: high)             No link definition found: 'DATE'
8  [DATE] 15.4.25 (Confidence: high)             No link definition found: 'DATE'
9  [DATE] 16.4.25 (Confidence: high)             No link definition found: 'DATE'
```

Extracted output in json format

```

1 {
2   "raw_text": "Drug (Approved Name) | Dose | Route | Other Direction | Date & Time
3   "pii_entities": [
4     {
5       "type": "DOCTOR_NAME",
6       "value": "Dr. H.M.",
7       "confidence": "high"
8     },
9     {
10      "type": "DOCTOR_NAME",
11      "value": "Dr. Rakesh", "Rakesh": Unknown word.
12      "confidence": "high"
13    },
14    {
15      "type": "DOCTOR_NAME",
16      "value": "Dr. A. Mahapatra", "Mahapatra": Unknown word.
17      "confidence": "high"
18    },
19    {
20      "type": "DOCTOR_NAME",
21      "value": "Dr. S. Dash",
22      "confidence": "high"
23    },
24    {
25      "type": "DATE",
26      "value": "11/4/25",
27      "confidence": "high"
28    },
29    {
30      "type": "DATE",
31      "value": "15.4.25",
32      "confidence": "high"

```

PLAN OF CARE

→ CIWA-M
→ MET

Investigation/Advised	Type	Reason	Treatment/Advised
CBC			
WFT			
LFT			
S-electrolytes			
UHU			
ECG			
Serum bilirubin / S. Urea			
GGT			
T3/T4/ITSH			
PPBS / FBG			
NICT Brain			
UDS			

Diet

Consistency: Normal Soft Liquid Tube Feeds Fasting

Type: Normal Diabetic Low salt Other

Preventive Care

PG Resident
Dist. of Psychiatry
MD & DLSH

References

Resident Signature: Dr. Pratik
Full Name: Dr. Pratik
Mobile No: 9876543210
Date: 11/4/25
Time: 10:00 AM

Consultant Signature: Dr. Mahapatra
Full Name: Dr. Mahapatra
Mobile No: 9876543210
Date: 11/4/25
Time: 10:00 AM

INSTITUTE OF MEDICAL SCIENCES & SUM HOSPITAL
(Faculty of Medical Sciences)
SIKSHA 'O' ANUSANDHAN
(DEEMED TO BE UNIVERSITY)
K-8, Kalinga Nagar, Bhubaneswar

PROGRESS REPORT

Patient Name: Santosh Pradhan Age: 30y Sex: M

IPD No: 9876543210 UHID No: 9876543210 Dept: W-1 Bed No: 10

DATE & TIME	PROGRESS NOTES	TREATMENT/ADVICE
11/4/25 3:00 PM	<p>patient received from OPD to Ward-1 in date → 11/4/25 : time → 12:00 PM</p> <p>(D1) MENTAL and BEHAVIOURAL DISORDER DUE TO USE OF ALCOHOL & DEPENDENCE SYNDROME CURRENTLY TAKING THE LOGSTANEE (F10.24 + F12.10)</p>	<p>Vitals</p> <p>BP → <u>100/60</u></p> <p>PR → <u>72</u></p> <p>RR → <u>18</u></p> <p>Temp → <u>37.5</u></p> <p>Rx</p> <p>(1) Inj Thiamine (200) 100 ml NS TID</p> <p>(2) Inj LOPEZ (2amp) slow IV TDS 2nd SOS</p> <p>(3) Inj PAN (40) 1 amp IV OD BID</p> <p>(4) Tab. TAZIM-O (200) 1 tab BID</p>

(Contd.)