UNF

ADMISSION: (patient_id, date of adimission, time_of_adimission, patient_name , sup_doctor_id, sup_doctor_name, (procedure_code, procedure_name, Req_id, req_name, carri_id, carri_name, carri_date, carri_time, procedure_charge, (item_code, item_descri, item_quan, total_item_charge), extra_charge))

1NF

ADMISSION: (patient_id, date_of_admission, time_of_adimission, patient_name, sup_doctor_id, sup_doctor_name)

PROCEDURE: (patient_id, carri_date, carri_time, procedure_code, procedure_name, req_id, req_name, carri_id, carri_name, procedure_charge, extra_charge)

ADDITIONAL ITEM: (procedure_code, item_code, item_quan, item_descri, total_item_charge)

Dependency diagram:

patient_id → patient_name (PRATIAL)

item_code → item_descri (PARTIAL)

patient_id, date_of_admission, time_of_adimission → patient_name, sup_doctor_id, sup_doctor_id, sup_doctor_name (FULL)

carri_date, carri_time, patient_id → procedure_code, procedure_name, req_id, req_name, carri_id, carri_name, procedure_charge, extra_charge (FULL)

item_quan, procedure_code, item_code → item_descri, total_item_charge (FULL)

sup_doctor_id → sup_doctor_name (TRANSITIVE)

req_id → req_name (TRANSITIVE)

carri_id → carri_name (TRANSITIVE)

procedure_code → procedure_name (TRANSITIVE)

2NF:

ADMISSION: (patient_id, date_of_admission, time_of_adimission, sup_doctor_id, sup_docotor_name)

PROCEDURE: (carri_date, carri_time, patient_id, procedure_code, req_id, req_name, carri_id, carri_name, procedure_charge, extra_charge)

ADDITIONAL ITEM: (item_quan, procedure_code, item_code, total_item_charge)

PATIENT: (patient_id, patient_name)

ITEM DERAILS: (item_code, item_descri)

3NF:

ADMISSION: (<u>patient_id, date_of_admission, time_of_adimission</u>, sup_doctor_id)

PROCEDURE: (<u>patient_id, carri_date, carri_time</u>, procedure_code, req_id, carri_id, carri_date, carri_time, procedure_charge, extra_charge)

ADDITIONAL ITEM: (<u>item_quan, procedure_code, item_code</u>, total_item_charge)

PATIENT: (<u>patient_id</u>, patient_name)

ITEM DERAILS: (<u>item_code</u>, item_descri)

SUPERVISING DOCTOR: (<u>sup_doctor_id</u>, sup_doctor_name)

REQUESTED DOCTOR: (<u>req_id</u>, req_name)

CARRIED OUT DOCTOR: (carri_id, carri_name)

PROCEDURE DETAILS: (<u>procedure_code</u>, procedure_name)

UNF

NURSE (nurse_id, first_name, last_name, contact_phone, certified,(ward_code, ward_name, data_assigned, data_completed))

1NF

NERSE: (<u>nurse_id</u>, first_name, last_name, contact_phone, certified)

WARD_ASSIGN: (<u>nurse_id, ward_code, date_assigned</u>, ward_name, date_completed)

Dependency diagram:

nerse_id → first_name, last_name, contact_phone, certified (FULL)

nerse_id, ward_code, date_assigned → ward_name, date_completed (FULL)

ward_code → ward_name (PRATIAL)

2NF

NERSE: (<u>nurse_id</u>, first_name, last_name, contact_phone, certified)

WARD_ASSIGN: (<u>nurse_id, ward_code, date_assigned</u>, date_completed)

WARD: (ward_code, ward_name)

3NF

NERSE: (<u>nurse_id</u>, first_name, last_name, contact_phone, certified)

WARD_ASSIGN: (<u>nurse_id, ward_code, date_assigned</u>, date_completed)

WARD: (<u>ward_code</u>, ward_name)

FINAL 3NF

NERSE: (<u>nurse_id</u>, first_name, last_name, contact_phone, certified)

WARD_ASSIGN: (<u>nurse_id, ward_code, date_assigned</u>, date_completed)

WARD: (<u>ward_code</u>, ward_name)

ADMISSION: (<u>patient_id, date_of_admission, time_of_adimission</u>, sup_doctor_id)

PROCEDURE: (<u>patient_id, carri_date, carri_time</u>, procedure_code, req_id, carri_id, carri_date, carri_time, procedure_charge, extra_charge)

ADDITIONAL ITEM: (<u>item_quan, procedure_code, item_code</u>, total_item_charge)

PATIENT: (<u>patient_id</u>, patient_name)

ITEM DERAILS: (<u>item_code</u>, item_descri)

DOCTOR (<u>doctor_id</u>, doctor_name**)**

PROCEDURE DETAILS: (<u>procedure_code</u>, procedure_name)