## RISHIRAJ COLLEGE OF DENTAL SCIENCES & RESEARCH CENTRE



Pipalner Road, Gandhi Nagar, Near Airport, Bhopal – 462 036 Tel: 0755-6647306, Mobile: 7440777333 E.Mail: info@Lnctrishiraj.ac.in, Website: www.Lnctrishiraj.ac.in



## **Teledentistry**

## 1. Objectives of the Practice:

- Improving patient outcomes in Hospital
- Increasing patient engagement and satisfaction with special care treatment
- Improving patient convenience
- Providing remote and rural patients with access to care
- Reducing cost of dental care delivery
- **2. Context:** Teledentistry is a combination of telecommunications and dentistry involving the exchange of clinical information and images over remote distances for dental consultation and treatment planning. Teledentistry has the ability to improve access to oral healthcare, improve the delivery of oral healthcare, and lower its costs. It also has the potential to eliminate the disparities in oral health care between rural and urban communities. Our college reviews the origin, rationale, scope, basis, and requirements for teledentistry, along with the current evidence that exists in the dental care.

**Introduction of practice:** "Telemedicine" is the use of information-based technologies and communications systems to deliver healthcare across geographic distances. It uses electronic information to communicate technologies to provide and support healthcare when distances separate the participants. Telemedicine is part of a wider process or chain of care. It can improve this chain and thus enhance the quality and efficiency of health care.

The field of dentistry has seen extensive technologic innovations in recent years. Advances have been made in the use of computers, telecommunication technology, digital diagnostic imaging services, devices and software for analysis and follow-up. Using advanced information technology, the science of dentistry, today, has crossed much longer distances than it was ever able to. New information technology has not only improved the quality of management of dental patients, but also has made possible their partial or complete management at distances of thousands of kilometers away from healthcare centers or qualified dentists. The entire process of networking, sharing digital information, distant consultations, workup, and analysis is dealt with by a segment of the science of telemedicine concerned with dentistry known as "Teledentistry".

## 3. The practice:

Our college has initiated and implemented as a best practice Teledentistry has the ability to improve access to oral health care, improve the delivery of oral healthcare and lower its costs. It

also has the potential to eliminate the disparities in oral healthcare between rural and urban communities. Teledentistry may turn out to be the cheapest, as well as the fastest, way to bridge the rural-urban health divide. Taking into account the huge strides in the field of information and communication technology, teledentistry can help to bring specialized healthcare to the remotest corners of tour state

The use of teledentistry for specialist consultations, diagnosis, treatment planning and coordination, and continuity of care will provide aspects of decision support and facilitate a sharing of the contextual knowledge of the patient among dentists. Second opinions, preauthorization and other insurance requirements will be instantaneously online, with the use of real images of dental problems rather than tooth charts and written descriptions. Teledentistry will also provide an opportunity to supplement traditional teaching methods in dental education, and provide new opportunities for dental students and dentists.

#### 4. Evidence of success:

With all the technological developments taking place in the field of teledentistry, practitioners may eventually link up to virtual dental health clinics and an entirely new era of dentistry can be created. The future might also see distant telemedical control of robotized instruments in situations with long-term unavailability of dental care, e.g., during space flights, on transoceanic ships, and in various rural areas. The results achieved so far are very encouraging, setting the road signs for future investigations

#### 5. Problems encountered:

Concerns about the confidentiality of dental information arise from the transfer of medical histories and records as well as from general security issues of electronic information stored in computers

The practitioners of teledentistry should take utmost care to ensure that patient privacy is not compromised by unauthorized entities. However, patients should be made aware that their information is to be transmitted electronically and the possibility exists that the information will be intercepted, despite maximum efforts to maintain security Concerns also may arise about the proper method of informing patients of the potential transmission of their data.

Many of the legal issues, such as licensure, jurisdiction, and malpractice, have not yet been definitively decided by legislative or judicial branches of various governments.



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Digitization and Hospital management system

## 1. Objectives of the Practice:

- To streamline overall Patient Management including Outdoor and Indoor Admissions, Appointment Scheduling, Departmental Referral and Billing, reduce Patient Waiting Time and record maintenance.
- To improve Transparency
- To promote paperless approach in day to day activities

#### 2. Context:

Paperless office utilizes minimal paper based processes and relies mostly on digitized documents. Reduction of the paper and use helps to accelerate the transition of paper documents to an electronic document managing system that digitalizes files and stores it in a central respiratory. Our college management innovatively inititated software **Doctor- G** and **Acc Soft** for our stake holders services.

Patient management software is now being used extensively to improve patient care, reduce waiting times and monitor work output of the students. All diagnostic and treatment records of the patient are uploaded in the software and can be viewed and accessed from all the departments.

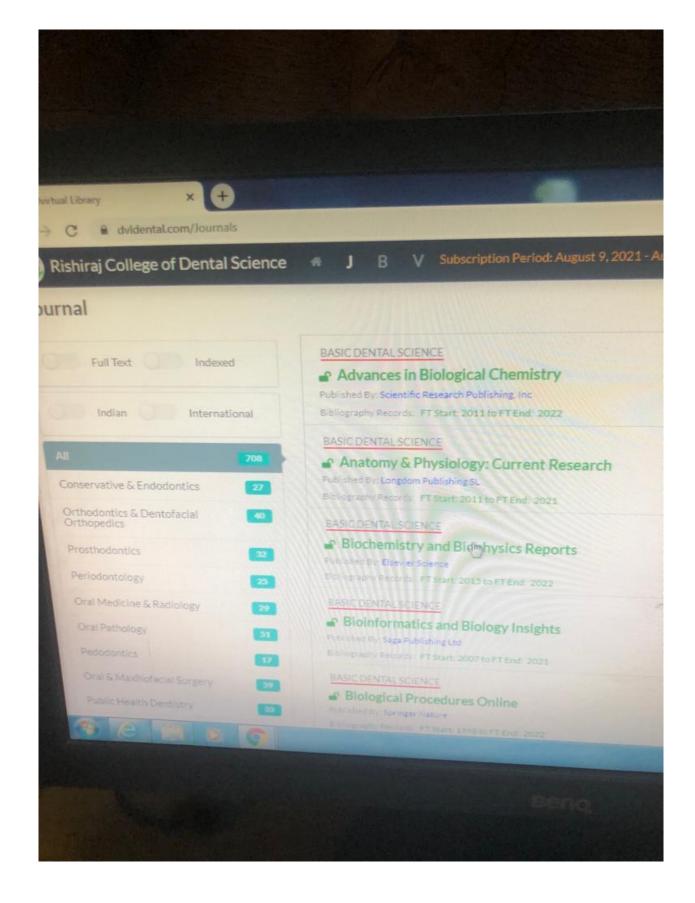
## 3. The practice:

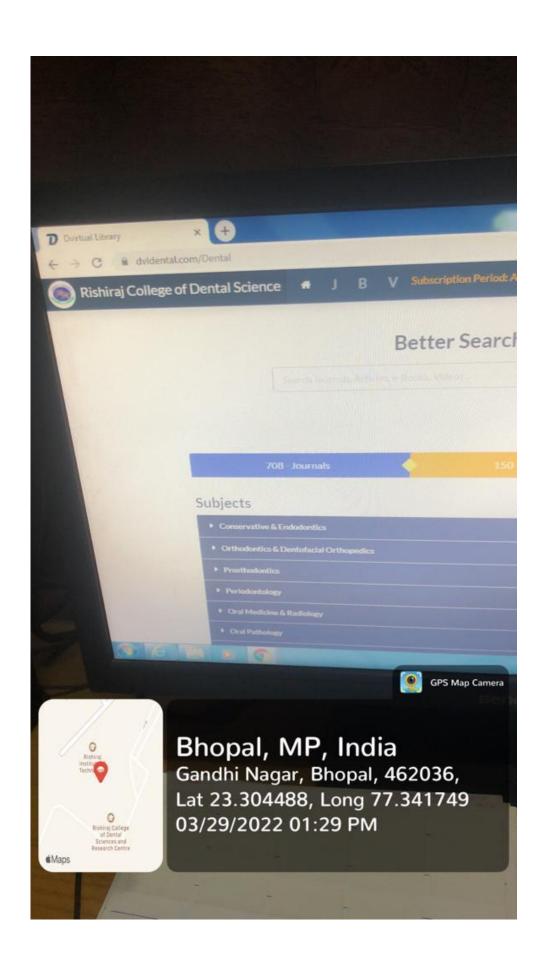
Our college has initiated digital communication and documentation for medical record keeping and administrative purpose. The institute has adopted a paper-less work culture which is made possible through various software and LAN system. All the information transfer is made through cloud computing and e-governance.

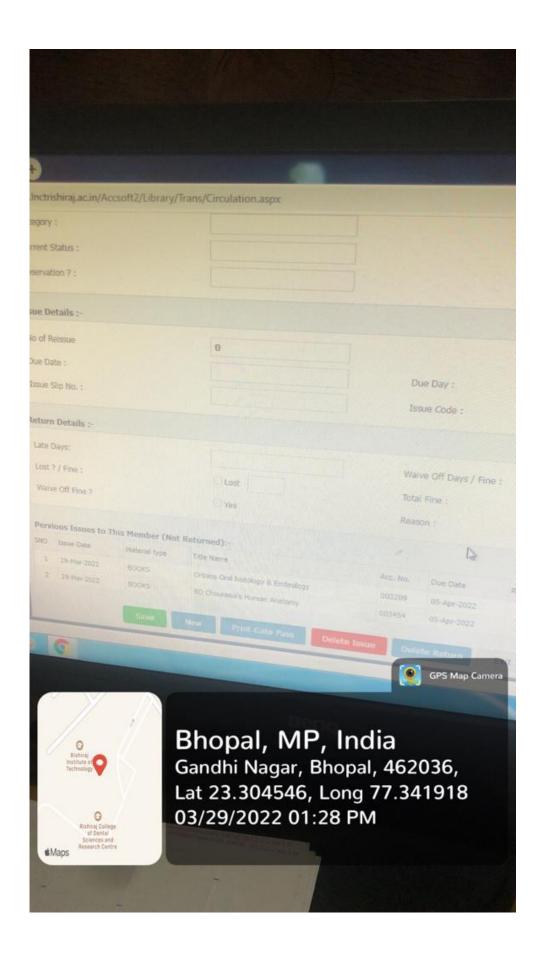
**4. Evidence of success:** Digitized communication has resulted in saving time, space and cost efficiency. It has resulted in consuming less paper. The time spent for filling, organizing and searching of paper documents is also immensely reduced. All the documents are stored in central portal and it has become easier for future referral and storage.

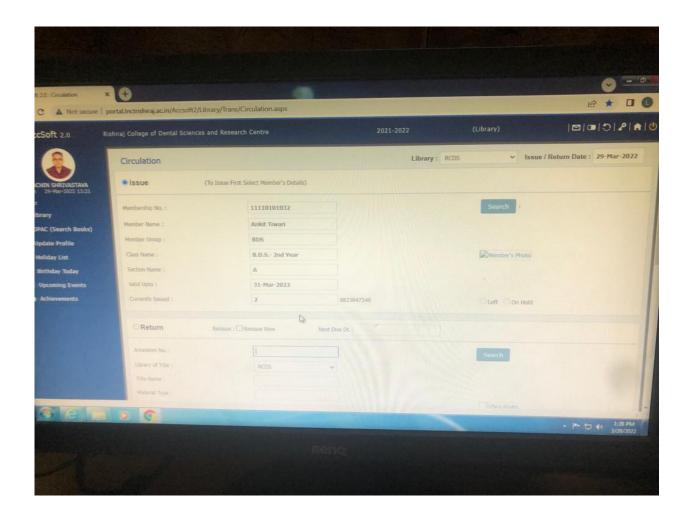
#### 5. Problems encountered:

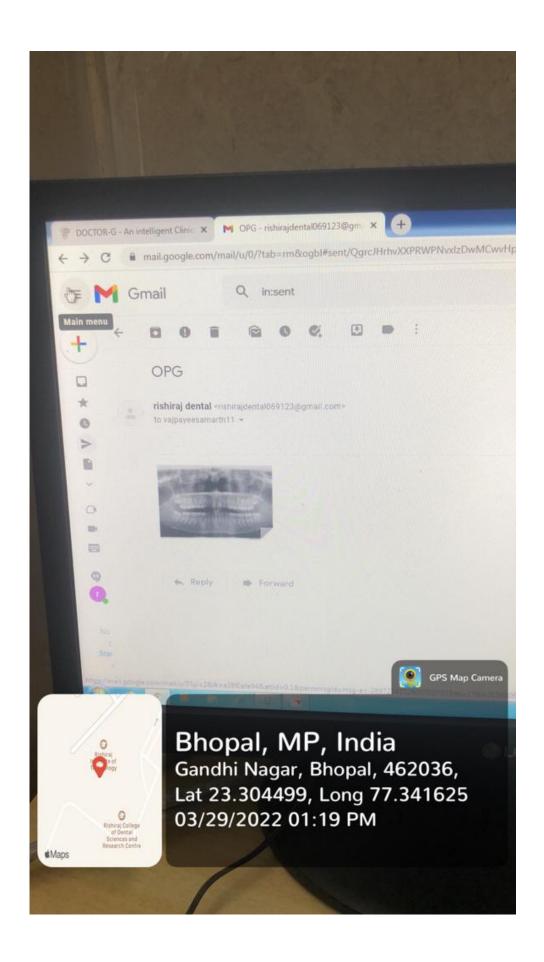
- Digitalization to update every time depends on college requirements Skill staff requirements
- To facilitate training programmes "digitization" to staff and students

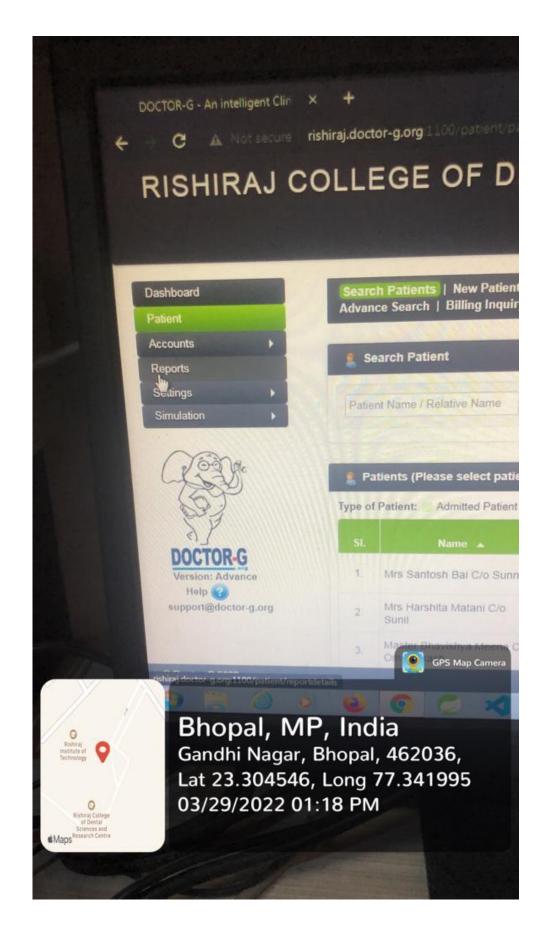


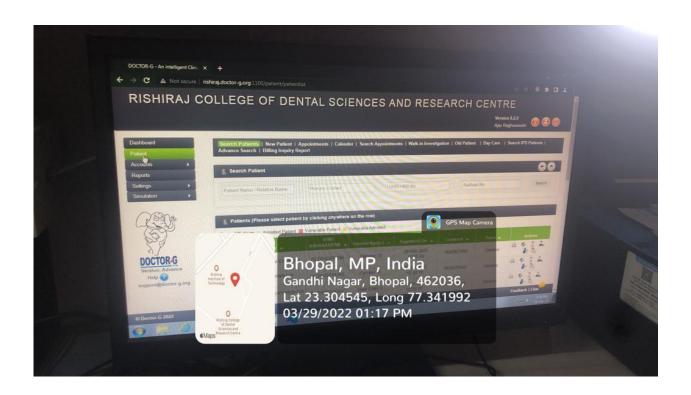


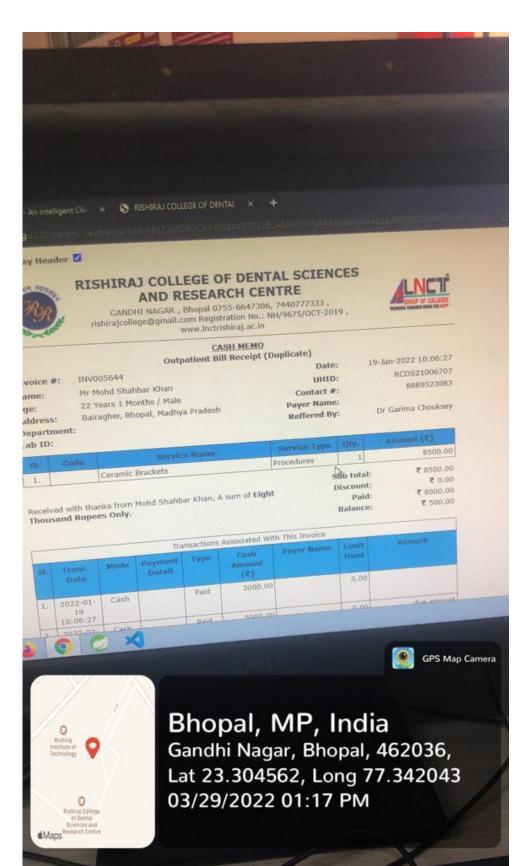


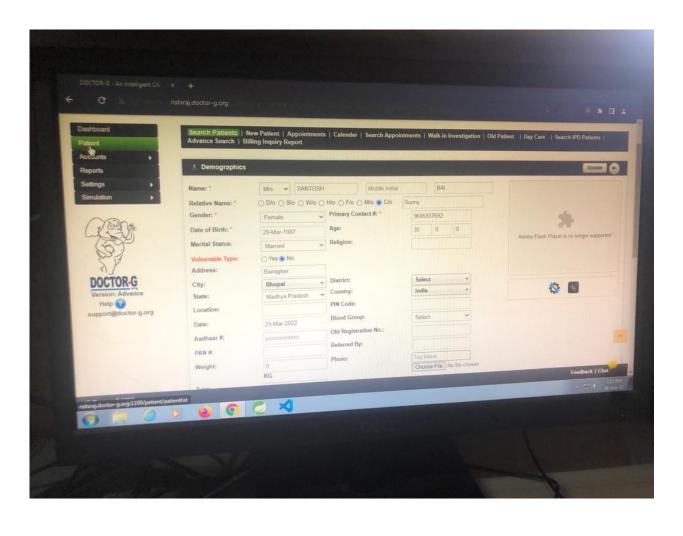


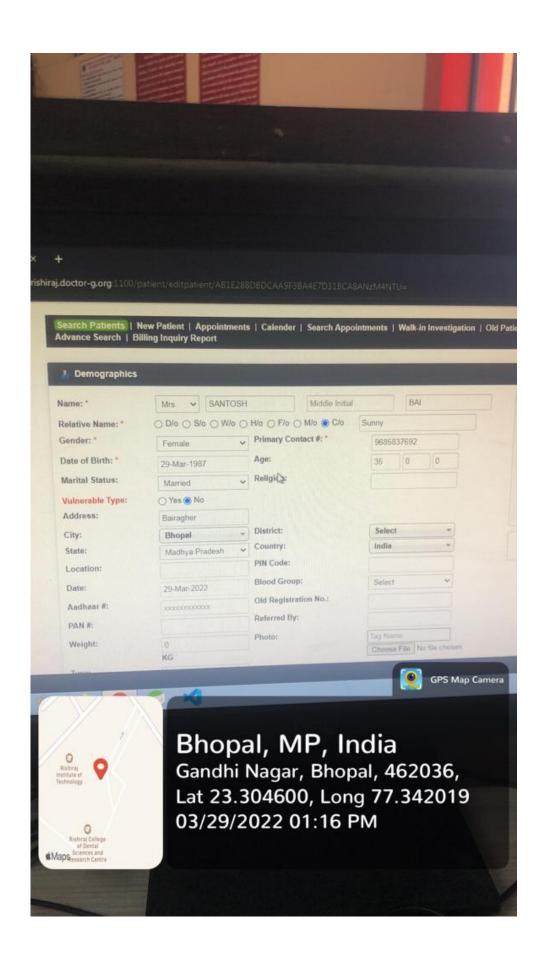


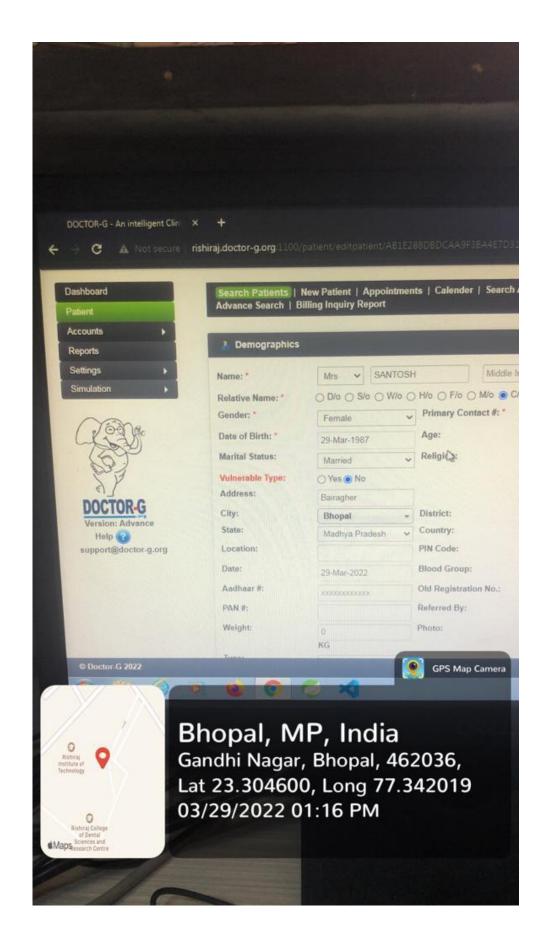


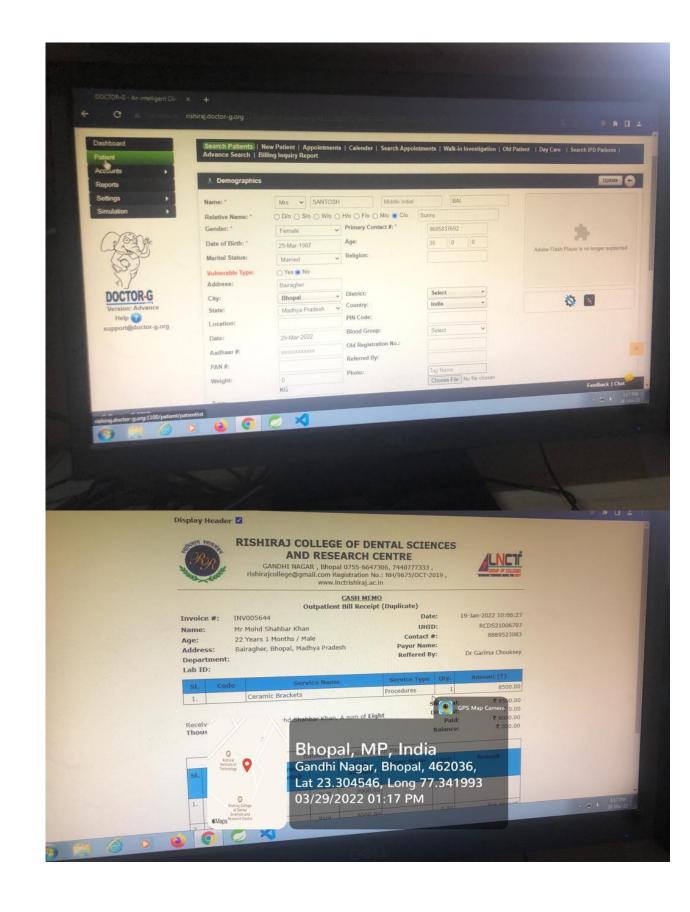


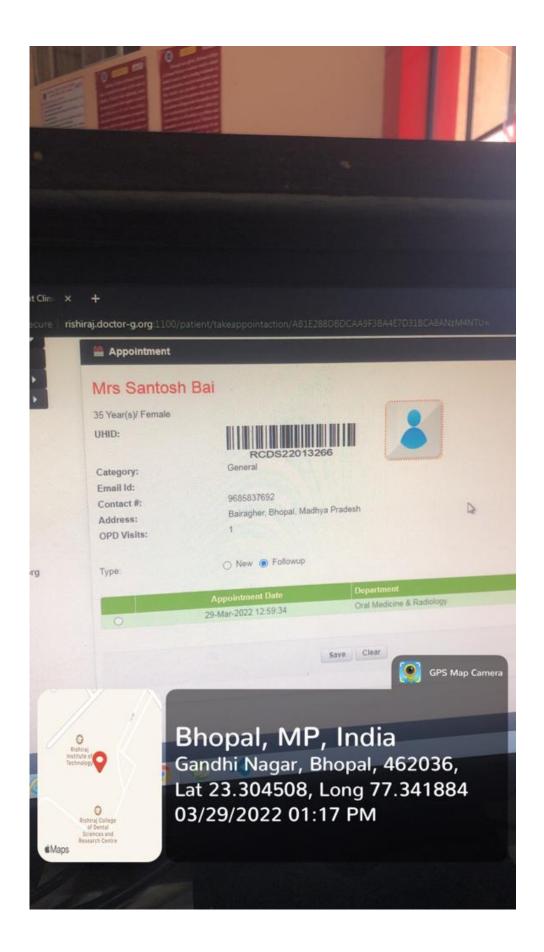


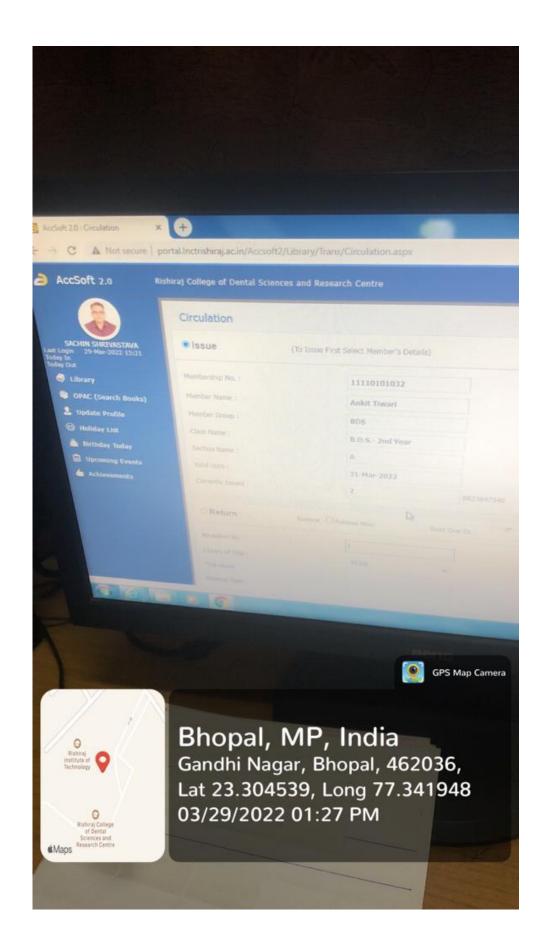


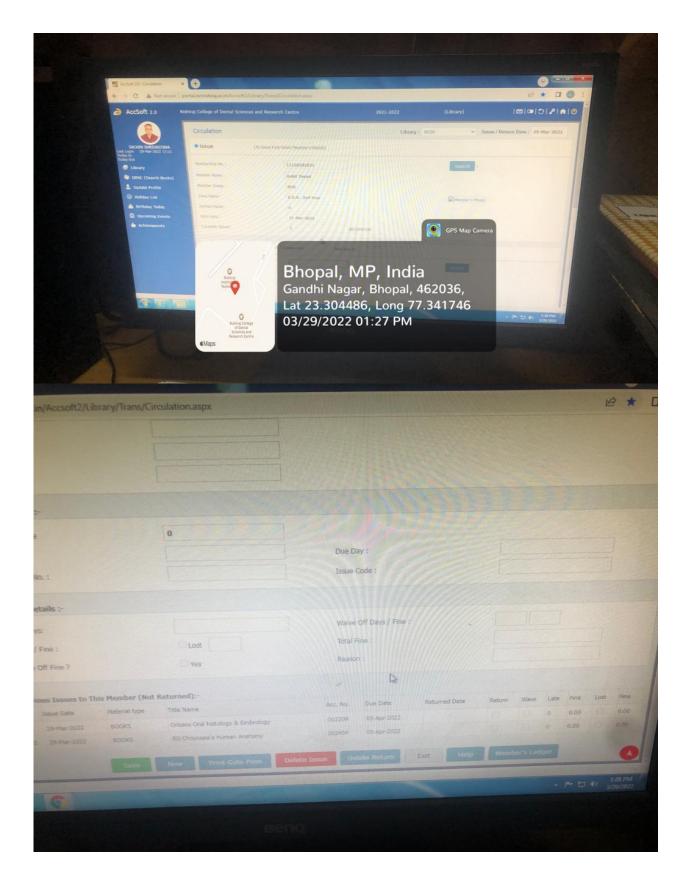


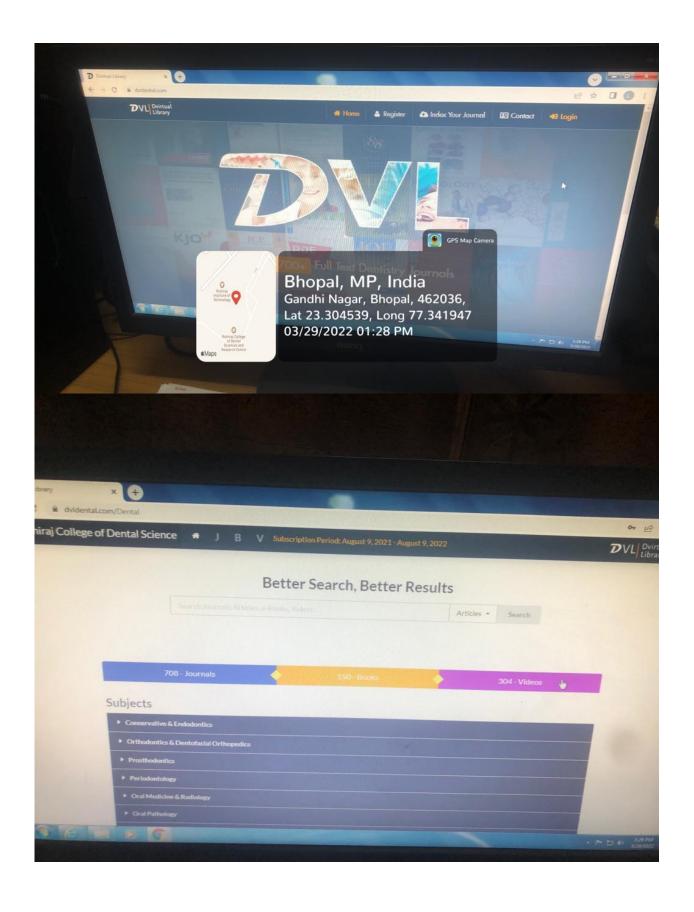


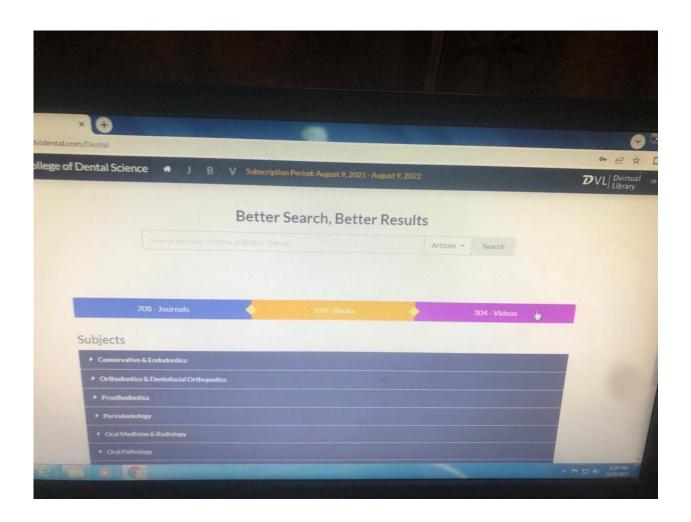


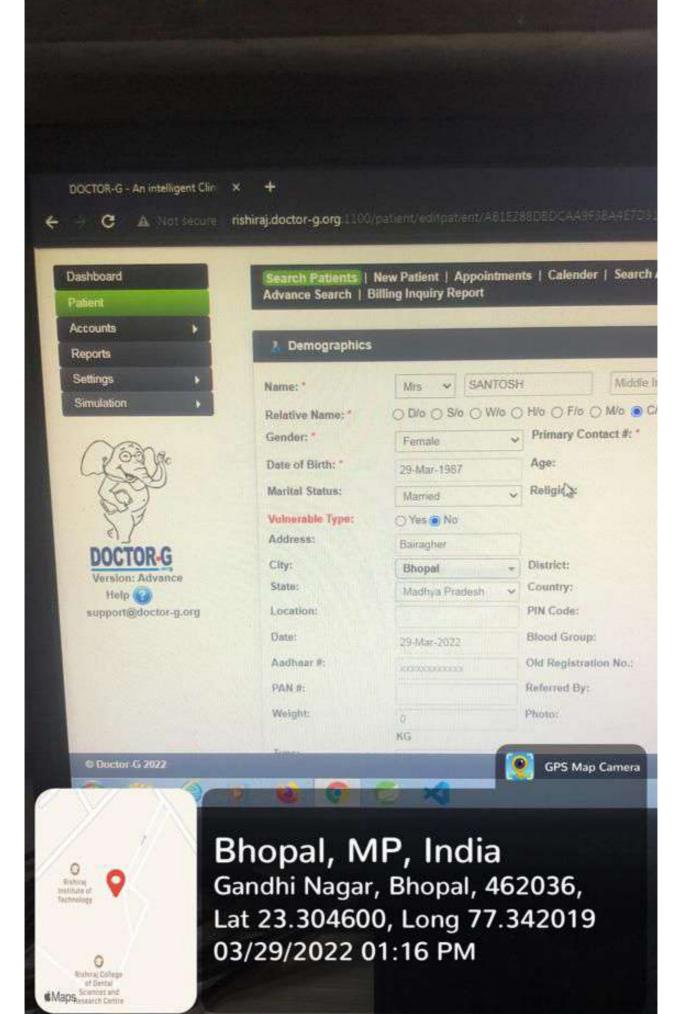


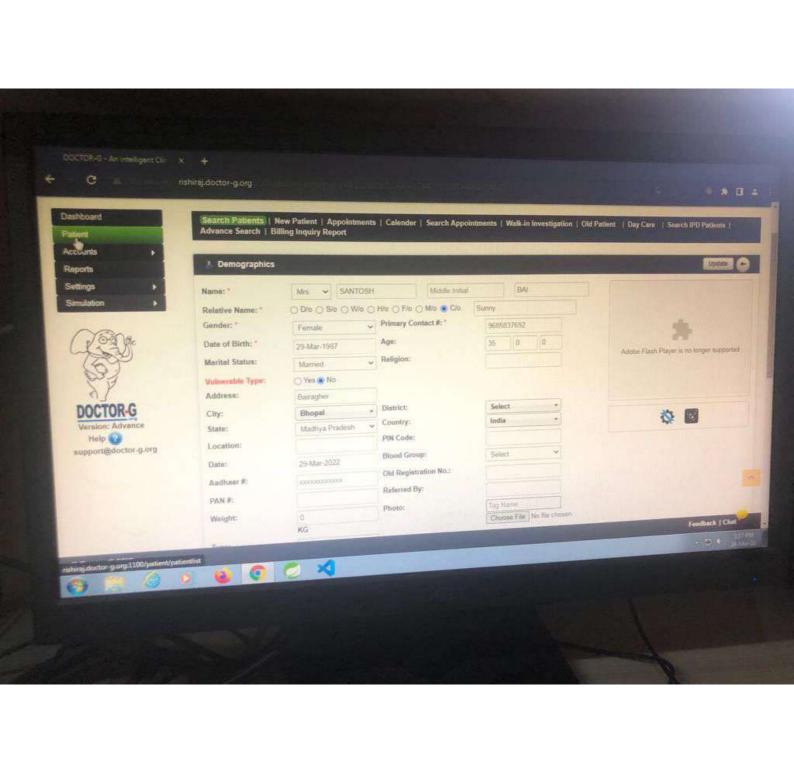


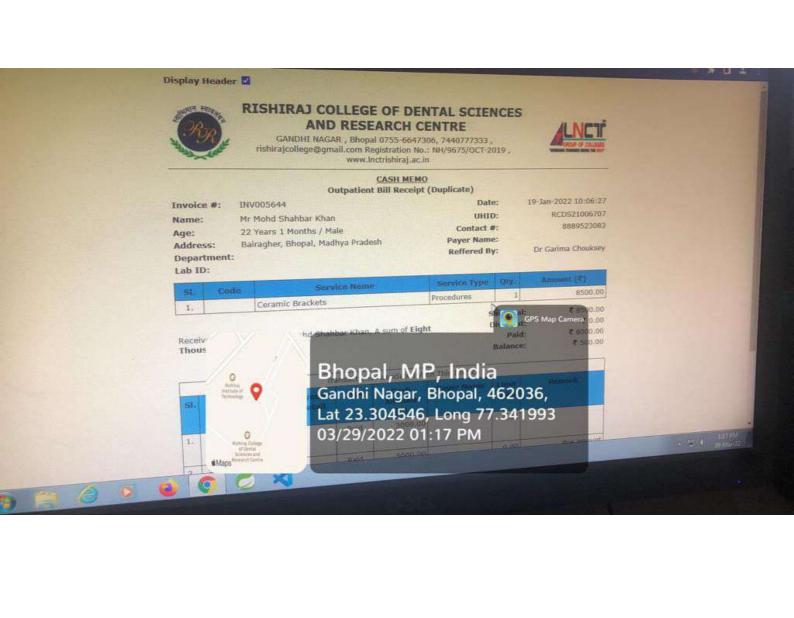


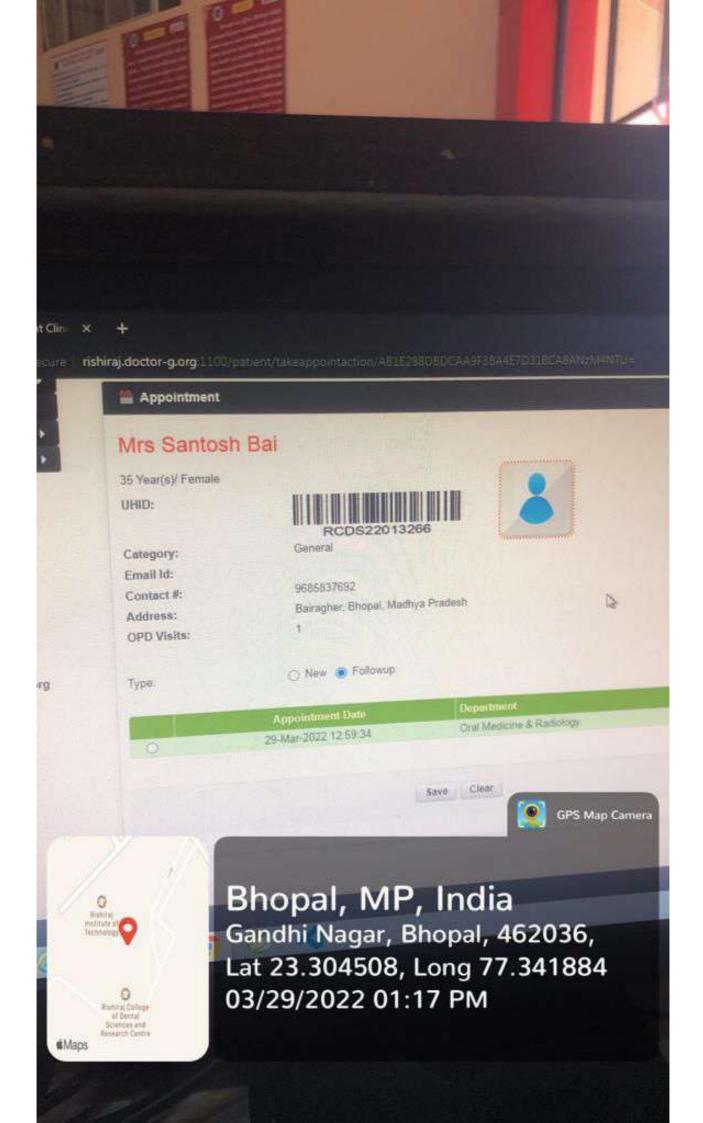


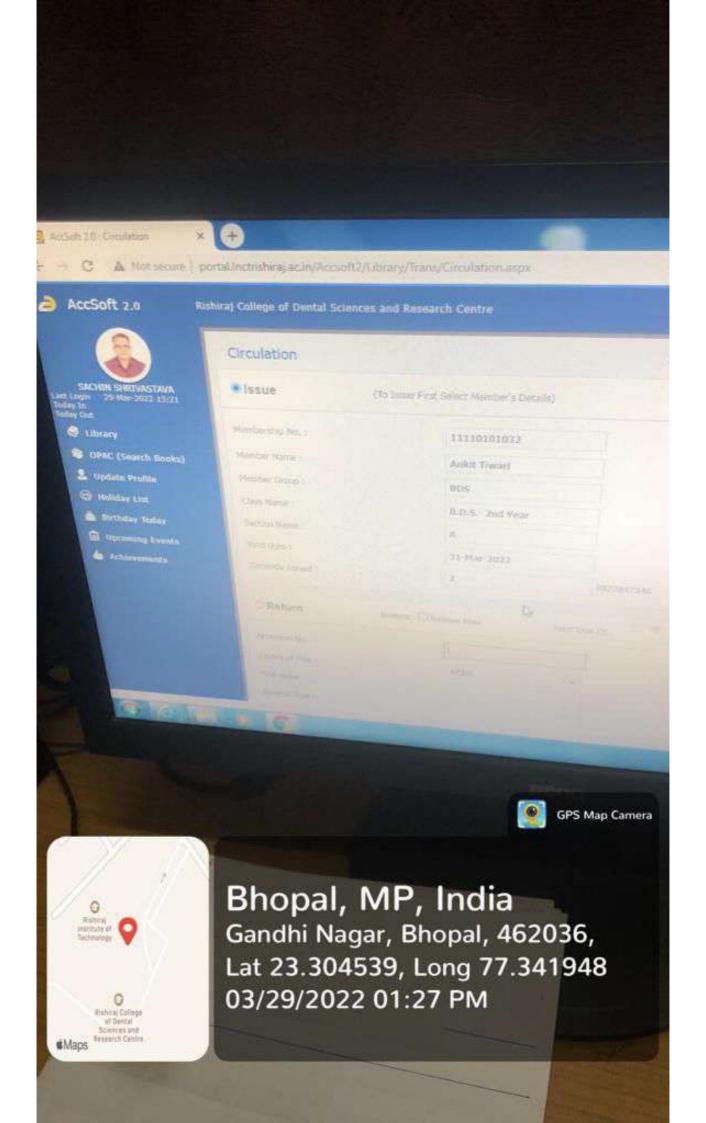


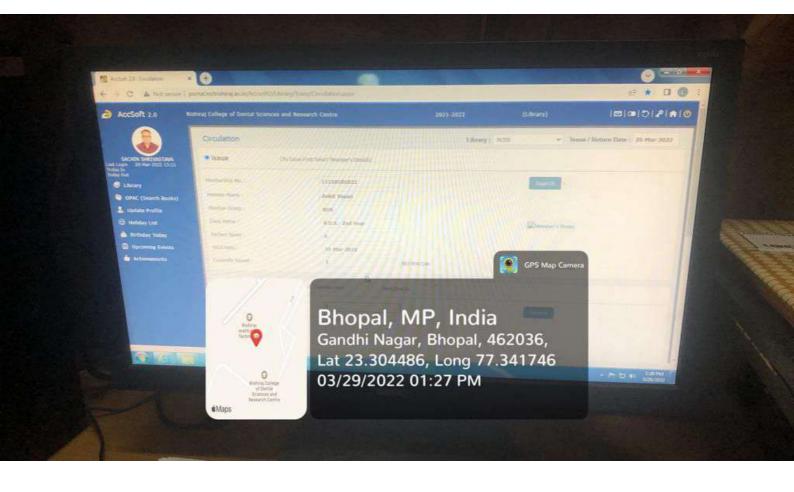


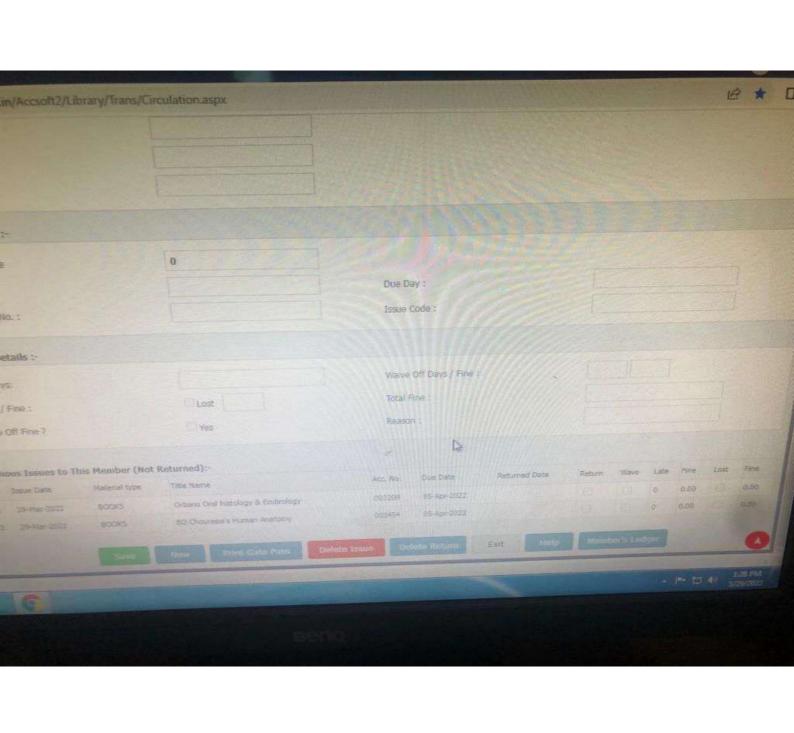


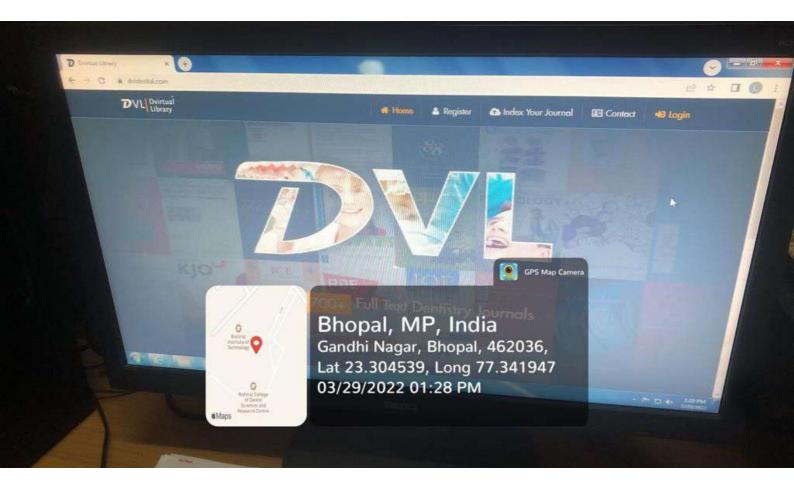


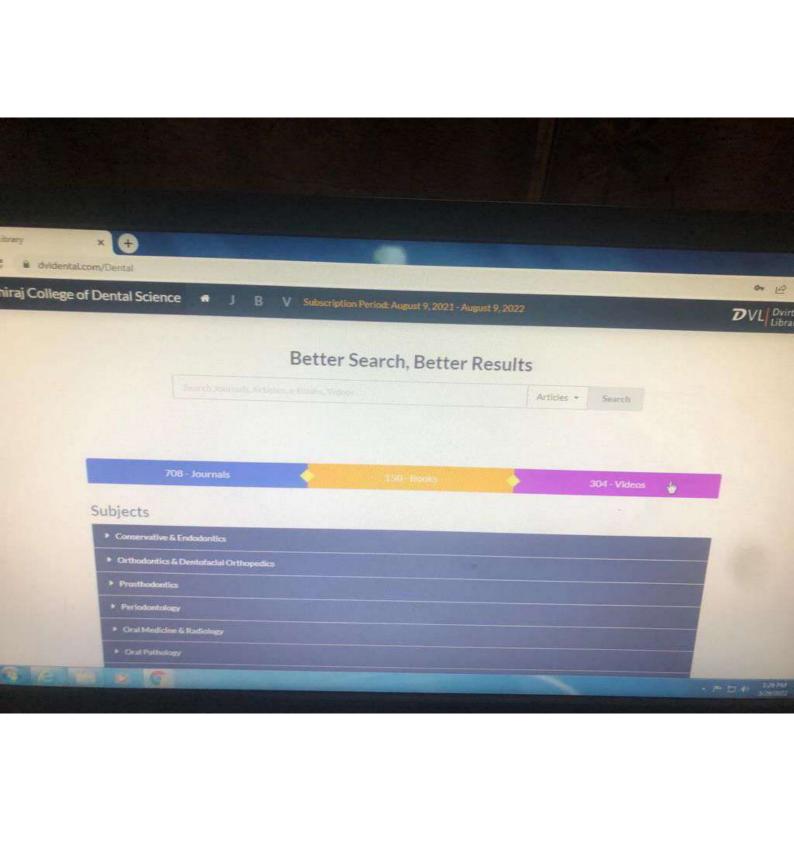


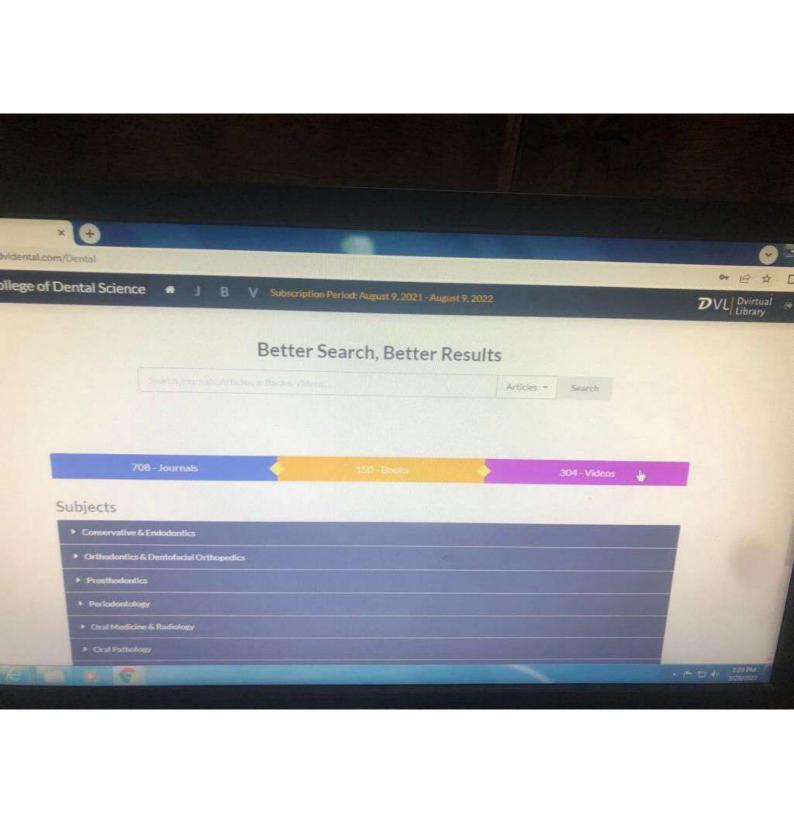






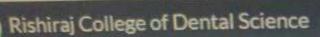












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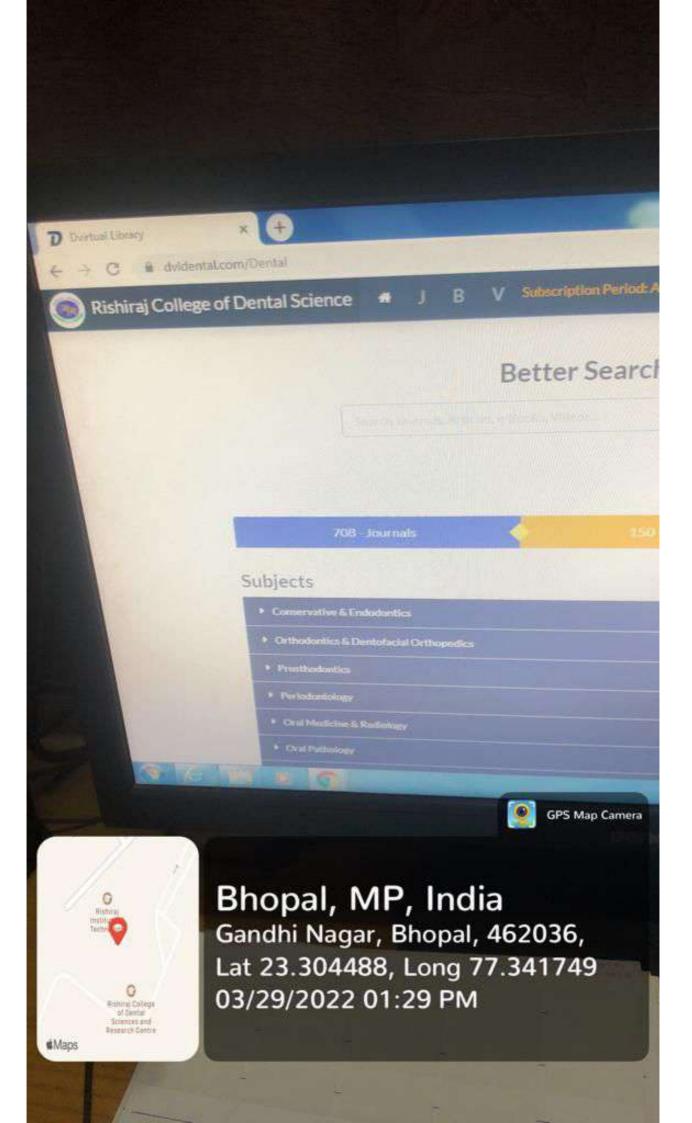
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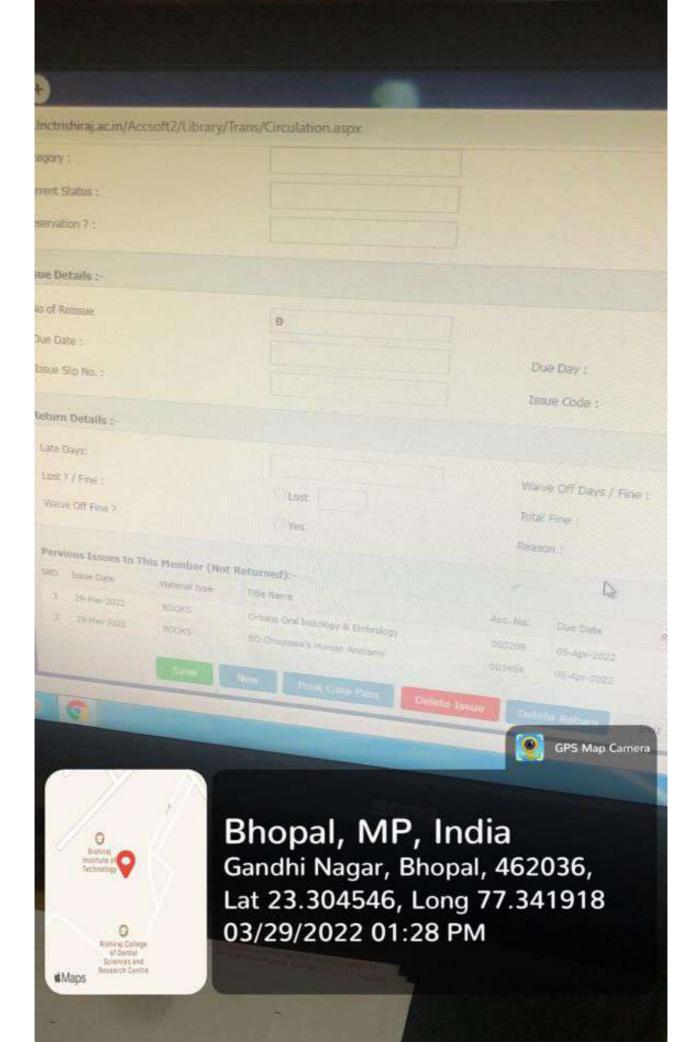
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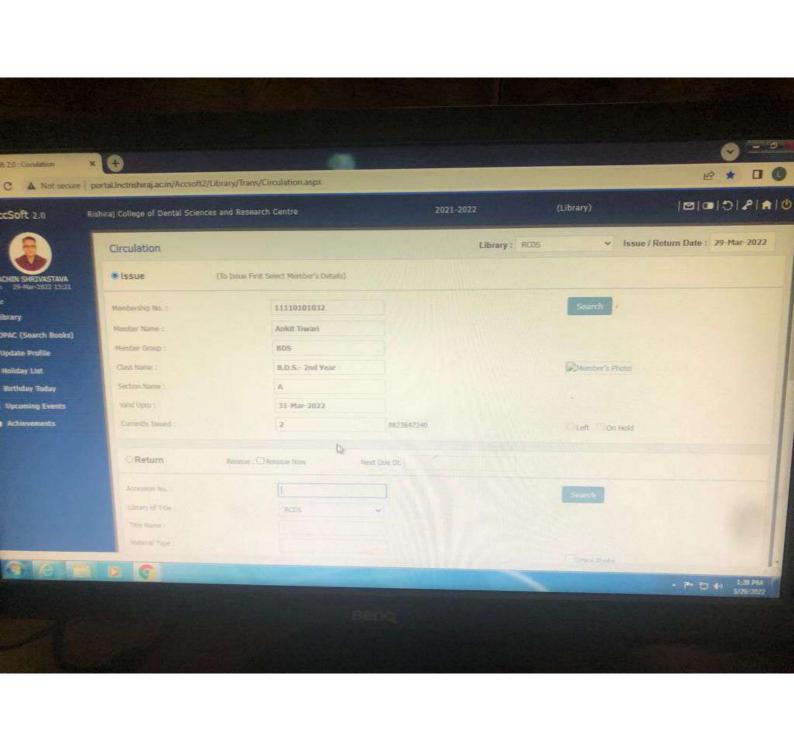
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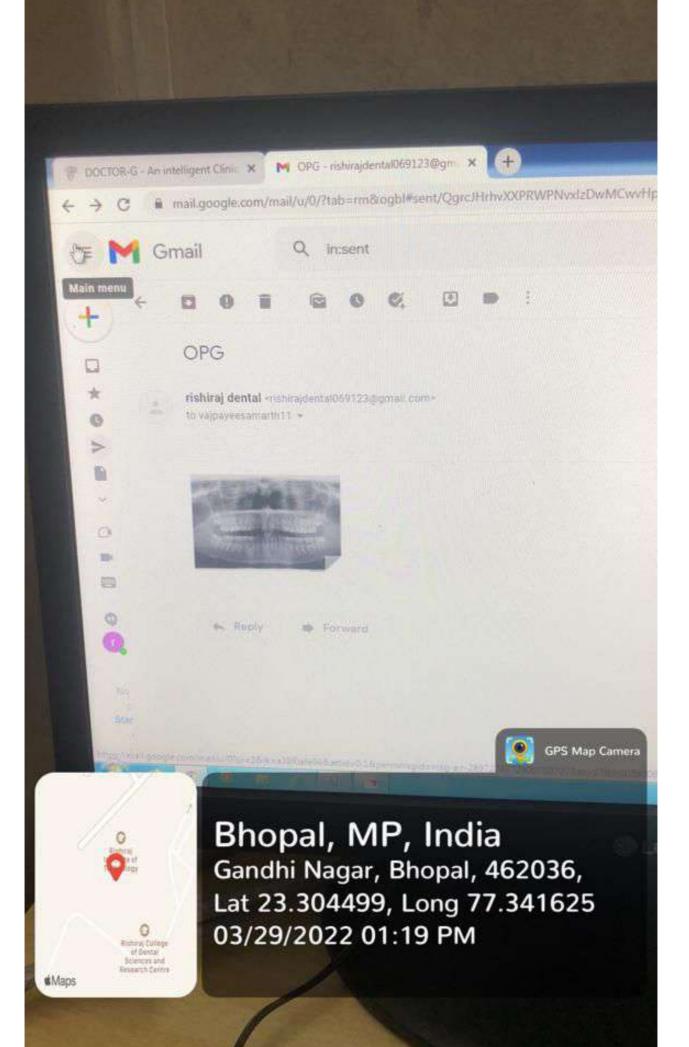
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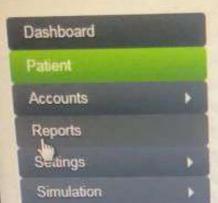


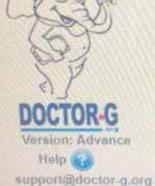




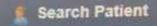
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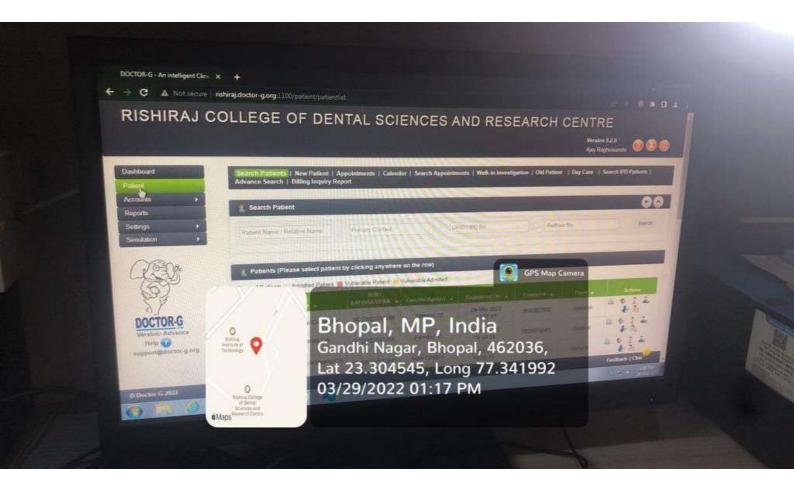
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## CASH MEMO

Outpatient Bill Receipt (Duplicate)

19-Jan-2022 10:06:27 Date: RCDS21006707 INV005644 UHID: voice #; 8889523083 Mr Mohd Shahbar Khan Contact #: ame:

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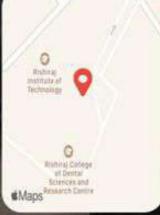
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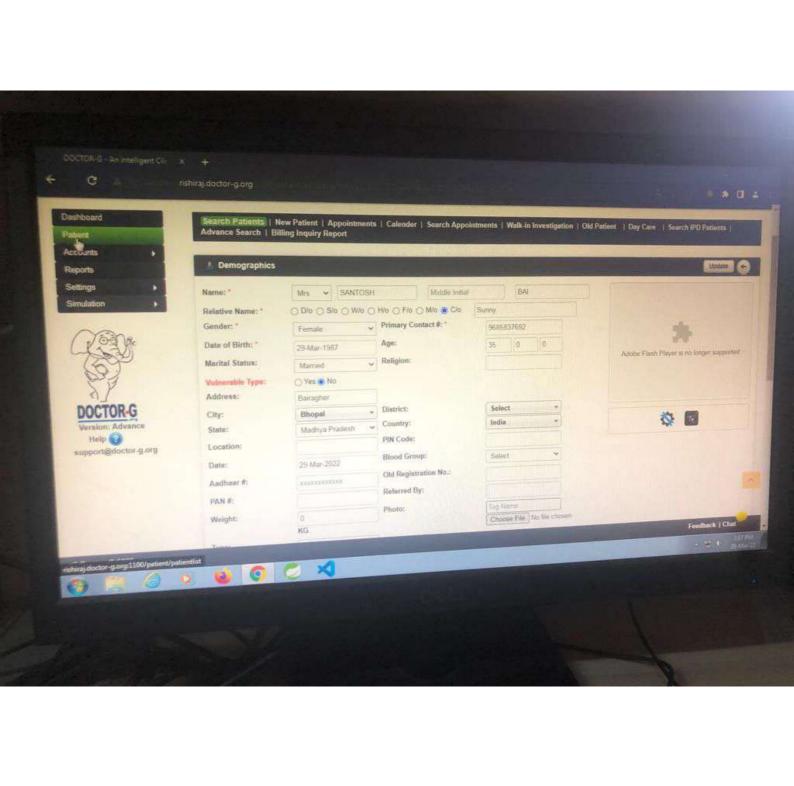
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