Acceptance of Hospital Management Information System among end users

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Screenshot of Approval

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Dear sir,

please find the attached dessertation report and Presentation. please review and let me know if there is anything changes and Kindly approve the same.

Thanks and Regards

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Report is approved.

Insert cover page in the report and edit the PPT, particular cover page of PPT and Methodology

Introduction

- Hospital management information system(HMIS) are complete, integrated systems that manage the administrative, financial, and clinical aspects of healthcare

- User satisfaction is a combination of ease of use and the degree to which the system supports the user's ability to work.

- Important strategies for successful management of HMIS development and implementation.

    1) Engaging healthcare professionals

    2) providing strong organisational support

- Poor HMIS design may lead to resistance and frustration among healthcare workers

- User satisfaction and acceptance is the corner stone to assess the efficiency and effectiveness of adoption HMIS.

Introduction

Hospital Information Management System Benefits:-

- Easy access to patient data
- reduction of errors
- Increased speed of care, accuracy
- Electronic Medical Record (EMR)
- Easy Access to System Features

Challenges of Implementation:-

- Workflow alignment
- Uncertain expectation
- Incorrect or incomplete data
- Utilizing Online

Objective

- To evaluate hospital management information systems (HMIS) acceptance and satisfaction.

- **RESEARCH QUESTIONS**

- What is the acceptance level of HMIS among end users?

- Does the users of HIMS system are satisfied of using it?

Methodology

- <u>Target Population</u>- End users of HMIS like Doctor, Nurse, Laboratory and pharmacy department, Administration staff.

- Study area and design: - This cross-sectional study was conducted in with samples taken randomly from Delhi NCR Region.

- Sample size: - Total response received is 93

- Sampling method: - Non probability Convenience Sampling.

- Data collection: - Data will be collected through online questionnaires.

Results

Age of the User	Count	%
Less thaan 25 years	22	24 %
25-30 years	44	47 %
More than 30 years	27	29 %
Total	93	100 %

HMIS user type	Count	%
Doctor	17	18 %
Nurse	33	36 %
Pharmacist	21	23 %
Admisistration staff	16	17 %
Technician	6	6 %
Total	93	100 %

Years of Experience	Count	%
Less than 1 year	42	45
1-2 year	27	29
2-5 year	13	14
6-10 yrs	6	7
11-15 yrs	4	4
more than 15 years	1	1
Total	93	100

Results

Reliability Statistics

Cronbach's Alpha	N of Items
.721	12

On a scale of 0-5, Rate your overall acceptance of the HMIS System

■ On a scale of 0-5, Rate your overall acceptance of the HMIS system
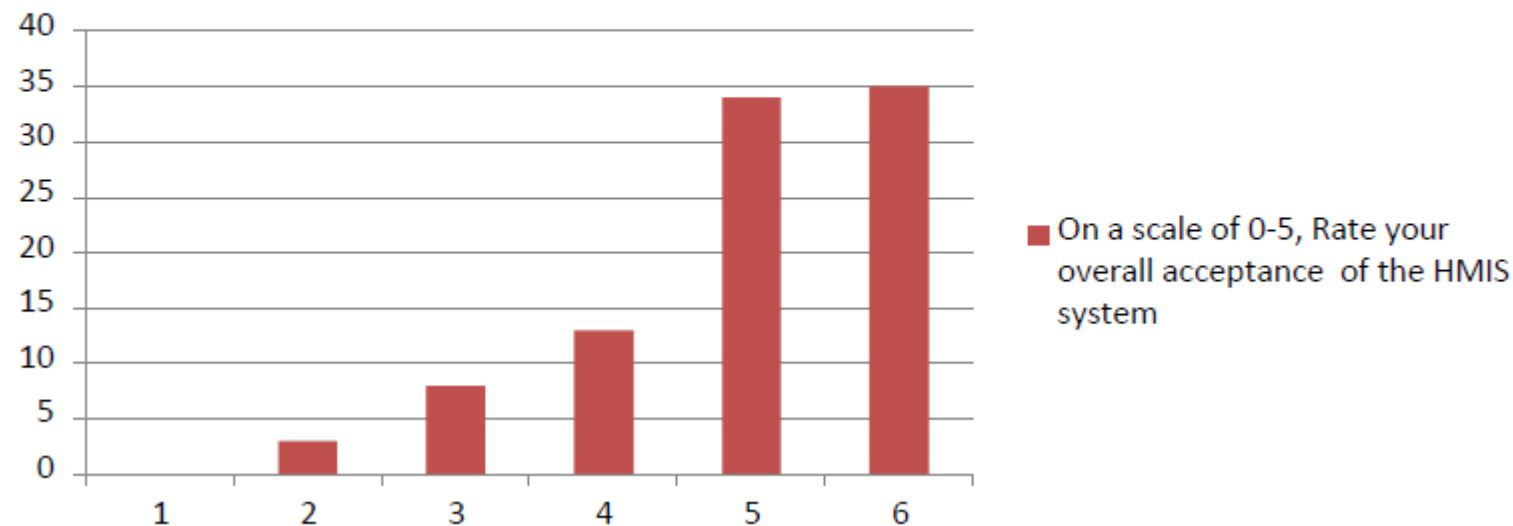
Results

Chi Square test:-

User Training	HMIS system accepted	HMIS system not accepted	Total
Given	37	15	52
Not given	17	24	41
Total	54	39	93

User Training	HMIS system accepted	HMIS system not accepted	Total
Given	54*52/93= 30.2	39*52/93= 21.8	52
Not given	54*41/93= 23.8	39*41/93= 17.19	41
Total	54	39	93

Discussion

- Simple to access and retrieve patient data
- Majority of them concurred that electronic records speed up turnaround times
- Enabling customers to make informed decisions and reducing medical errors.
- According to our survey, over a one third of the participants felt that using the HIMS system was on average difficult
- User-friendly experience
- key factors affecting user acceptance is system adaptability.
- Use online support as much as feasible

Limitations of the Study

- Small sample size is the limitation of our study, so if we have to generalize the findings, we have to conduct a similar study with a larger sample size in the future

Conclusion

Improving the system's performance and availability is essential for its acceptance, happiness, and overall success. The HMIS requires improvements in the software's responsiveness, speed, and availability of desktops, laptops, and mobile computers. There should be an organosational support for users through increased training for the both new and old users. There should be a provision of better and more dependable channels of communications and feedback.

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Thank You

Any Questions

Dissertation Experiences

What did you learn (skill/ topic)?

- Learn different workflows of the hospital.

- Work on core concept of implementation of HMIS.

- Handling the live situations and clients.

- End to end testing of the HMIS software.

Overall self comments on Dissertation

- Know about the overall perception about HMIS of end users.

- Aware about the acceptance and the satisfaction of HMIS.

- Get to know about the challenges faced in implementation.