PG DEPARTMENT OF COMPUTER SCIENCE

HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002.

INFORMATION TECHNOLOGY IN HEALTH CARE

Details of the Webinar:

Activities Start Date	: 04-07-2020
No. of Resource Persons	: 1
Activities End date	: 04-07-2020
No. of Participants in the Webinar	: 88

Report Description:

The PG Department of Computer Science (Shift II), Holy Cross College (Autonomous), Trichy organized a webinar on "INFORMATION TECHNOLOGY IN HEALTH CARE " for the students of B.Sc. and M.Sc. on 04th July 2020 (Saturday) through Google Meet video conference platform. The Session was started at 03:00 p.m. with welcome address by Mrs.Emima. Then the Session was handed over to the speaker of the session Mrs.Leena Dhevakumar, Director-Product& Co-founder, GE Healthcare Ltd, Bangalore .

She explained about the Learning Platforms i.e Face to Face Learning, Online self paced learning and Online collaborative learning. She also explained about the Health Level 7(HL7), Integrating Healthcare Enterprise(IHE), Health Insurance Portability & Accountability Act (HIPAA). Further, she explained about the development issues in the field of health care and emphasis. At end of the session she interacted with the students and staff members to clarify their doubts.

The Session ended at 04.30 p.m. with vote of thanks by Mrs. Amala Deepa., followed the students filled their feedback form and most of the students felt the webinar session was very useful and informative to them.

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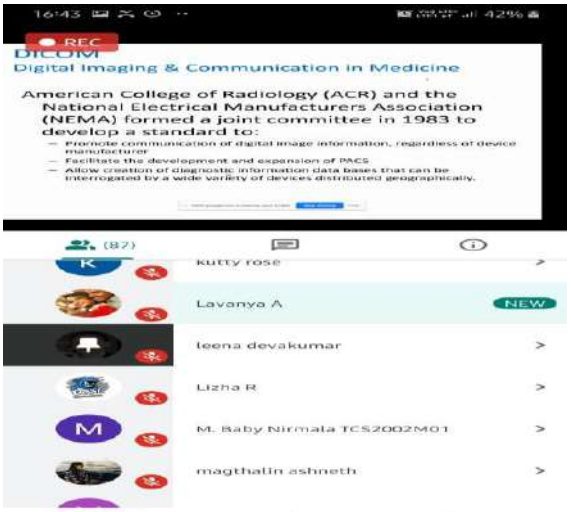
Kanishka
Kannammal Kannammal
karthika saviour12
Karunya Subramanian
keerthana keerthana
kutty rose
NEW

(84)
rohini Roshon
Sahana Chitara
Sandhiya Arul
sandy Paneer
Santhiya Maha
sasi kumar

REC
Blended Learning Platform
Face-to-Face Mentoring
Online Assignments
Interactive Tutorials
Faculty Assessments
Discussions Forums
Multimedia Classrooms
(85)
Kutty rose
Lavanya A
Lizha R
M. Baby Nirmala TCS2002M01
magthalin ashneth


REC
DICOM
Digital Imaging & Communication in Medicine
American College of Radiology (ACR) and the National Electrical Manufacturers Association (NEMA) formed a joint committee in 1983 to develop a standard to:
Promote communication of digital image information, regardless of device manufacturer
Facilitate the development and expansion of PACS
Allow creation of diagnostic information data bases that can be interrogated by a wide variety of devices distributed geographically.
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Kutty rose
Lavanya A
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leena devakumar
Lizha R
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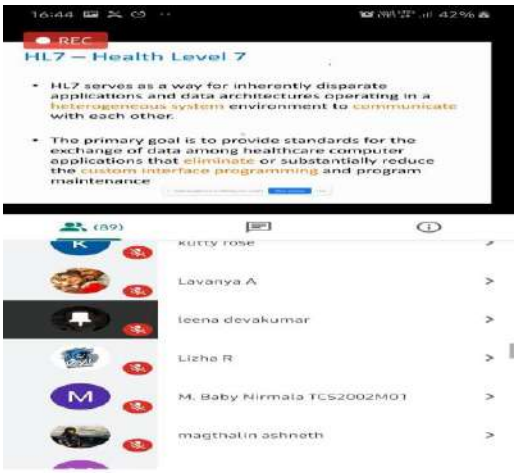
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HL7 — Health Level 7
HL7 serves as a way for inherently disparate applications and data architectures operating in a heterogeneous system environment to communicate with each other.
The primary goal is to provide standards for the exchange of data among healthcare computer applications that eliminate or substantially reduce the custom interface programming and program maintenance
(89)
Kutty rose
Lavanya A
leena devakumar
Lizha R
M. Baby Nirmala TCS2002M01
magthalin ashneth

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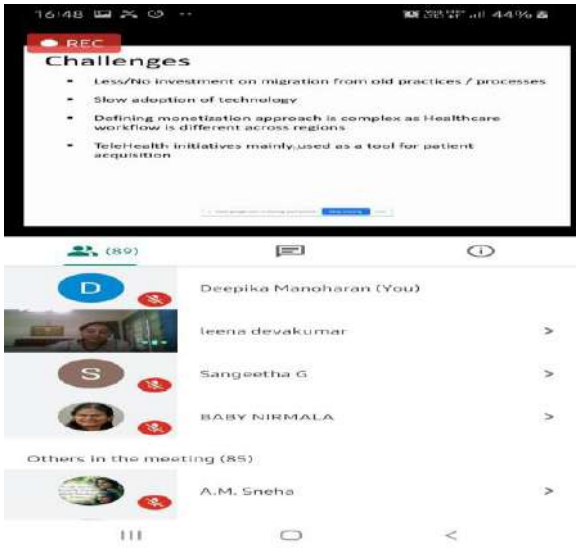
IHE — Integrating Healthcare Enterprise
IHE is an initiative by healthcare professionals and industry to improve the way computer systems in healthcare share information.
IHE promotes the coordinated use of established standards such as DICOM and HL7 to address specific clinical need in support of optimal patient care.
Eg IHE Profiles – Cardiology, Eye Care, IT Infrastructure, Laboratory, Patient Care Devices, Radiology
IHE Connectathon
(88)
Deepika Manoharan (You)
leena devakumar
Sangeetha G
BABY NIRMALA
Others in the meeting (84)
A.M. Sneha

REC
HIPAA
Health Insurance Portability & Accountability Act
Security standards in HIPAA were developed for two primary purposes.
Protect electronic patient health information
Protect individual's health information.
What information is protected ?
(87)
Deepika Manoharan (You)
leena devakumar
Sangeetha G
BABY NIRMALA
Others in the meeting (83)
A.M. Sneha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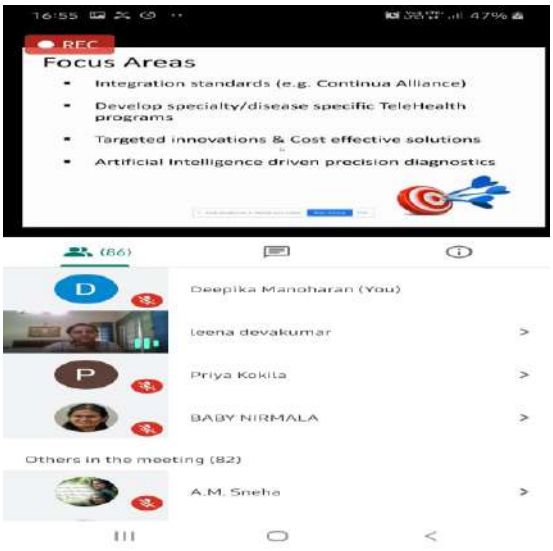
Challenges
Less/No investment on migration from old practices / processes
Slow adoption of technology
Defining monetization approach is complex as Healthcare workflow is different across regions
TeleHealth initiatives mainly used as a tool for patient acquisition
(89)
Deepika Manoharan (You)
leena devakumar
Sangeetha G
BABY NIRMALA
Others in the meeting (85)
A.M. Sneha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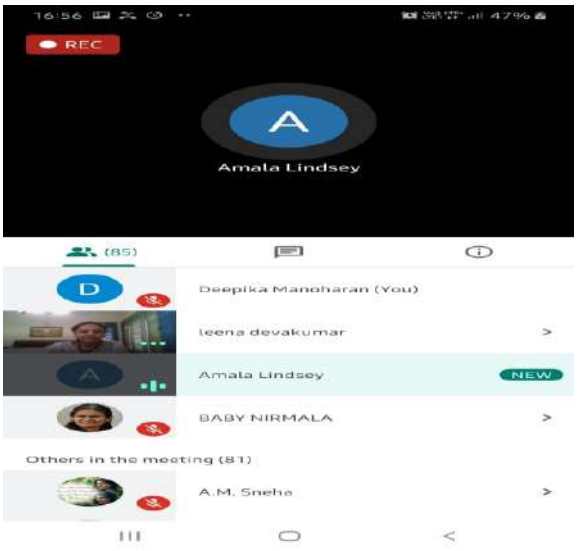
Focus Areas
Integration standards (e.g. Continua Alliance)
Develop specialty/disease specific TeleHealth programs
Targeted innovations & Cost effective solutions
Artificial Intelligence driven precision diagnostics
(86)
Deepika Manoharan (You)
leena devakumar
Priya Kokila
BABY NIRMALA
Others in the meeting (82)
A.M. Sneha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Amala Lindsey
(85)
Deepika Manoharan (You)
leena devakumar
Amala Lindsey
NEW
BABY NIRMALA
Others in the meeting (81)
A.M. Sneha