

VDC E-Learning

We as a team VDC E-Learning have customized a system which promotes flipped class teaching methodology for under graduate students. This system has enabled students to learn concepts of dentistry in his/her own pace and learning style. To enable this process we established a database management system through deploying an IMac server which is an institutional repository comprising of academic data in the form of PDF handouts, lecture keynotes, supporting videos, images, charts etc., and aiding students to learn in their own learning style. Data stored in the server can be utilized by students through application based software in their IPad device inside the campus through institutional intranet.

Academic schedules will be posted in Dental College Automation Package (DCAP) 30 days prior. Students will make an effort to read the concept before attending the lecture with a basic foundation of the concept an activity based learning technique will be employed in the classroom using ICT tools, which enables the students to learn through the activities performed and will be instantly evaluated if their learning is adequate and competent.

It is completely technology driven process with many advantages for effective teaching and learning to Undergraduate students. Despite of many advantages there are few limitations of technology in education. To curtail those limitations we have deployed a mobile device management system which will control the unnecessary and faulty usage of the device during academic hours.

Dental College Automation Package (DCAP)

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Course : BDS(Reg)
Year : IV Year

Date	Day	08:30 AM - 09:30 AM	10:30 AM - 11:30 AM	11:30 AM - 01:00 PM	02:30 PM - 04:30 PM
01.08.2019	Thursday	Diagnostic aids - Case history - I DR. M. ANOOSHA	A recap of periodontal tissues in health, etiology and gingival lesions DR. R.S. GAUTAM	RANDOMIZED CONTROLLED TRIALS DR. GADDE PRAVEEN	
03.08.2019	Saturday		Pediatric Endodontics - I DR. K. SRI ROJA RAMYA	Introduction to Fixed Partial Denture(FPD) DR. R. CHAITANYA	
06.08.2019	Tuesday	Ulcerative, vesicular and bullous lesions I DR. N. RAJESH	Principles of OHS - Incision and Suture DR. S. DIVYA NAGA LAKSHMI	diagnosis and treatment plan DR. K. MADHU VARMA	
08.08.2019	Thursday	Diagnostic aids - Case history II DR. M. ANOOSHA	Introduction and classification of periodontal diseases DR. R.S. GAUTAM	NON RANDOMISED CONTROLLED TRIALS DR. GADDE PRAVEEN	
10.08.2019	Saturday		Pediatric Endodontics - II DR. K. SRI ROJA RAMYA	Abutment selection in FPD DR. G. VINETH	
13.08.2019	Tuesday	Ulcerative, vesicular and bullous lesions 2 DR. VENKATA RAMANA MURTHY V	Suturing Materials, Techniques DR. S. DIVYA NAGA LAKSHMI	diagnosis and treatment plan DR. K. MADHU VARMA	

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VISHNU DENTAL COLLEGE (Code: 091)
Recognized by DENTAL COUNCIL OF INDIA & AFFILIATED Dr.NTR UNIVERSITY
Vishnupur,Bhimavaram - 534 202. W.G.Dist., A.P
Tel : 08816-250893

TEACHING SCHEDULE FOR THE MONTH OF Apr, 2019

Course : BDS(Reg)
Year : III Year

Date	Day	08:30 AM - 09:30 AM	09:30 AM - 10:30 AM	10:30 AM - 11:00 AM	11:00 AM - 12:00 PM	12:00 PM - 01:00 PM	02:00 PM - 03:00 PM
01.04.2019	Monday	ORH Radiographic Interpretation of Systemic Diseases 2 DR. SYED ANTHUL YASHEEN	OS Immediate complications of exodontia DR. B. JANURUKESHWAR KUNAR	CONS Sterilization and infection control DR. R. V. KARTEEK VARMA	OPATH developmental disturbances DR. BIRAJADAR SMITA SHRISHAIL	PEDO Development occlusion DR. AGGI	
03.04.2019	Wednesday		PROSTHO Sequelae of wearing Complete denture DR. REDDY YASANEETHA REDDY		PERIO MANAGING DENTAL OFFICE DR. R. V. S. SRUTHIGA G.	PHD DR. K. SHIVASHANKAR	
04.04.2019	Thursday	OPATH developmental disturbances DR. BIRAJADAR SMITA SHRISHAIL	OS Radiographic Delayed	CONS Complicated	OPATH dental cases	PEDO Fluorides	

Academic Schedule

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VISHNU DENTAL COLLEGE
(Recognised by Dental council of India | Affiliated to Dr. N.T.R University of Health Sciences)
Vishnupur, Bhimavaram, West Godavari Dist. - 534 202 Ph: 08816 250893 Fax: 08816 250894
e-mail : principal@vdc.edu.in website : www.vdc.edu.in

ACADEMICS

Welcome DR. SANDEEP DATTA

Change Password Log Out

SUBJECT CHAPTERS

GENERAL MEDICINE (Section-3)

SL.NO	CHAPTER.NO	TOPIC	Edit	Delete
1	1	introduction of general medicine	Edit	Delete
2	2.0	aims of medicine	Edit	Delete
3	2.1	definitions of symptoms, signs and their details	Edit	Delete
4	2.2	about differential diagnosis	Edit	Delete
5	3	introduction of treatment modules and prognosis	Edit	Delete
6	3.0	gastrointestinal tract diseases	Edit	Delete
7	3.1	symptoms, signs and investigations	Edit	Delete
8	3.2	stomatitis, gingival hyperplasia, dysphagia	Edit	Delete
9	3.3	peptic ulcer disease	Edit	Delete
10	3.4	jaundice, acute and chronic hepatitis	Edit	Delete
11	4.0	ons disorders	Edit	Delete
12	4.1	facial palsy, facial pain incl. trigeminal neuralgia	Edit	Delete
13	4.2	epilepsy, headache incl. migraine	Edit	Delete
14	4.3	meningitis	Edit	Delete
15	4.4	examination of comatose patient	Edit	Delete
16	4.5	examination of cranial nerves	Edit	Delete
17	4.6	pharmacology review	Edit	Delete
18	5.0	cvs disorders	Edit	Delete
19	5.1	acute rheumatic fever	Edit	Delete

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e-mail : principal@vdc.edu.in website : www.vdc.edu.in

ACADEMICS

Welcome DR. G. SAI SAILESH KUNAR

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SUBJECT CHAPTERS

Physiology (Section-2)

SL.NO	CHAPTER.NO	TOPIC	Edit	Delete
1	1.1	Homeostasis & Microscope	Edit	Delete
2	1.2	Structure of cell membrane & Transport across the cell membrane	Edit	Delete
3	1.3	Resting Membrane potential & Action potential	Edit	Delete
4	2.1	Composition & Functions of blood Methods of collection of blood sample & Hemocytometer	Edit	Delete
5	1.4	Test no-1 General Physiology	Edit	Delete
6	1.5	Seminar-1	Edit	Delete
7	2.2	Specific gravity, PCV, Factors affecting and methods of determination	Edit	Delete
8	2.3	Plasma proteins	Edit	Delete
9	2.4	ESR, Effect of Tonicity on RBC	Edit	Delete
10	2.5	Hemoglobin & Blood indices	Edit	Delete
11	2.6	Hemoglobin estimation	Edit	Delete
12	2.7	Erythrocyte & Erythropoiesis	Edit	Delete
13	2.8	RBC count	Edit	Delete
14	2.9	Anemia & Osmotic fragility	Edit	Delete
15	2.9.1	Jaundice	Edit	Delete
16	2.9.3	Seminar-2	Edit	Delete
17	2.9.2	Test no-2 Blood	Edit	Delete
18	2.9.4		Edit	Delete

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e-mail : principal@vdc.edu.in website : www.vdc.edu.in

ACADEMICS

Welcome Dr. T.S.Bharath

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RESOURCES

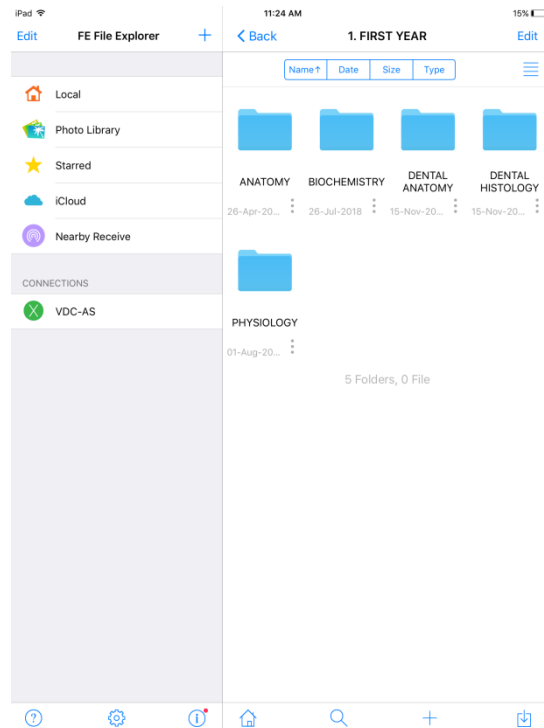
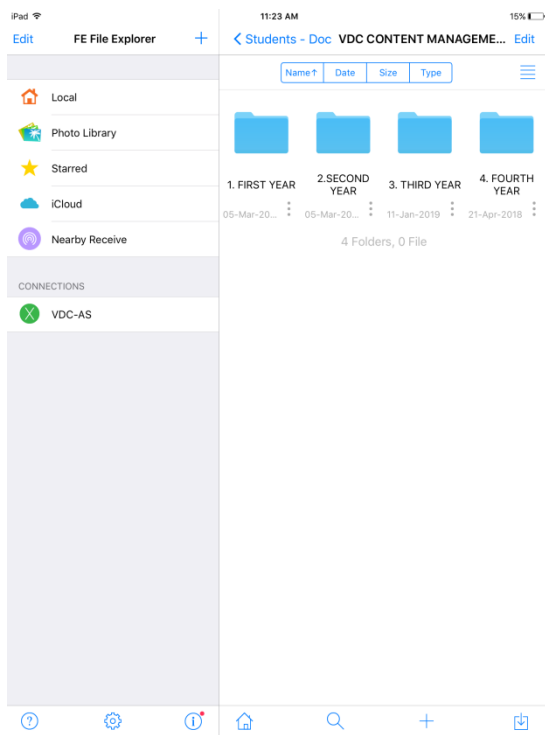
Search Keyword :

Resource Type :

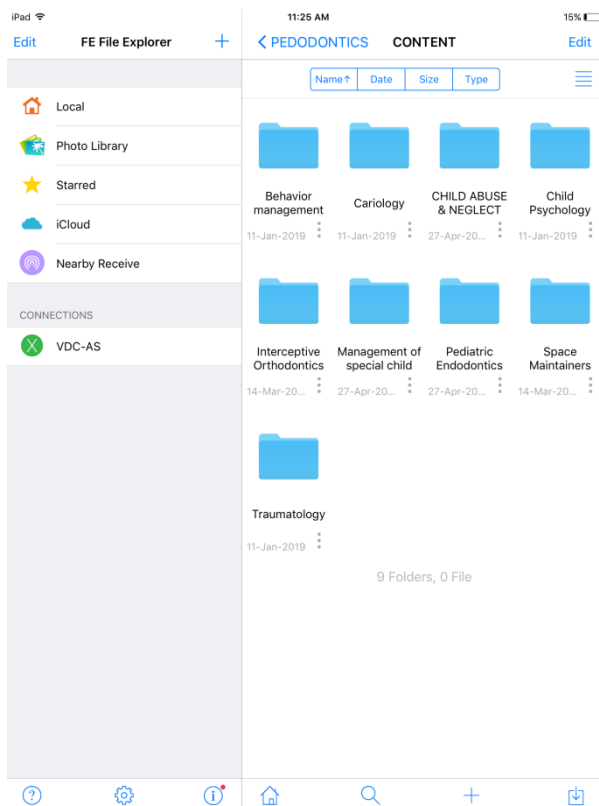
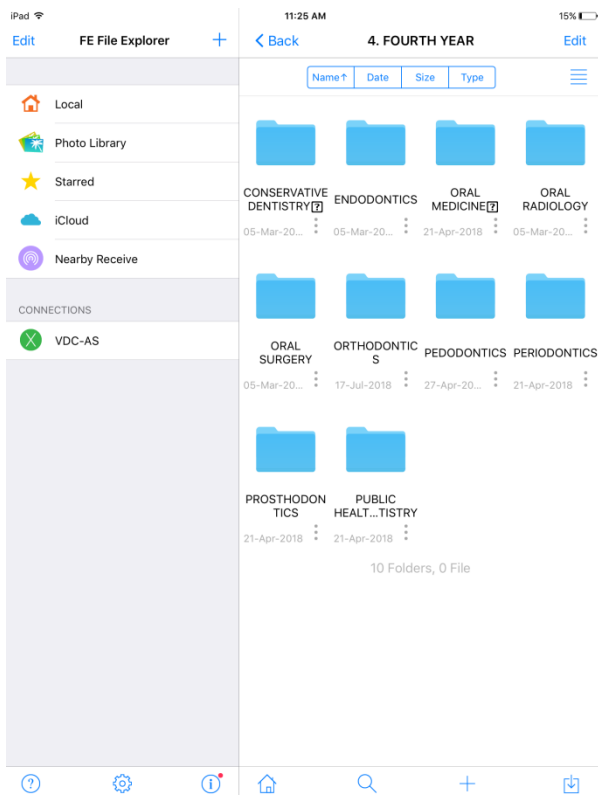
Search

SL.NO	TITLE	Download
1.	1.1 Homeostasis	Download
2.	1.2 structure and transport of cell membrane	Download
3.	1.3 Resting membrane potential and action potential	Download
4.	3.1 Classification of nerve fibers and structure of skeletal muscle	Download
5.	3.2 Neuro Muscular Junction	Download
6.	3.3 Skeletal Muscle Contraction	Download
7.	3.4 Properties of skeletal Muscle	Download
8.	3.5 Smooth Muscle and Cardiac Muscle	Download
9.	Organization of Central Nervous System	Download
10.	Organization of Central Nervous System	Download

Learning Resources in DCAP



Learning Content in iMac server



VISHNU DENTAL COLLEGE BHIMAVARAM SESSION LEARNING PLAN

SESSION OUTCOME:

Upon successful completion of the session, learner can

1. Identify difference between two sets of teeth
2. Differentiate deciduous tooth with permanent tooth clinically
3. Apply differentiating features in treatment planning

SESSION SUMMARY:

Difference between deciduous and permanent dentition is the basic for the learner to master to continue as a dental student or become a dentist. It builds confidence in you to treat patients of different ages. Also, age of the patient, general, histological, morphological differences must be taken into consideration which is quite helpful in **pulpal** and **periapical** anatomy for proper treatment.

SESSION LEVEL TEST ITEM OR ACTIVITIES:



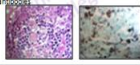
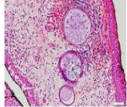
1. Think, pair and share
2. Quick quiz

SESSION LEARNING STRATEGY OR STUDY MATERIAL UPLOADED:

1. Keynote in PDF
2. Charts & Images

VDC

Sample Session Plan

<p>Common clinical features VDC</p> <ul style="list-style-type: none"> ✓ Cutaneous: <ul style="list-style-type: none"> ✓ Erythematous plaques ✓ Nodules with or without ulcerations ✓ Oral: <ul style="list-style-type: none"> ✓ Ulcers-Red, irregular, rolled borders ✓ Disseminated: <ul style="list-style-type: none"> ✓ Skin, bones, meninges, prostate, liver, spleen, kidney 	<p>Common histopathology & diagnosis features VDC</p> <ul style="list-style-type: none"> ✓ Histopathology: <ul style="list-style-type: none"> ✓ Surface ulcerations ✓ Pseudo epithelomatous hyperplasia ✓ Granulomas ✓ Diagnosis: <ul style="list-style-type: none"> ✓ Exfoliative cytology, biopsy, PAS, ✓ Grocott-Gomori's stain, serology, spores. 	<p>Rhinosporidiosis VDC</p> <ul style="list-style-type: none"> • Introduction: It is a chronic granulomatous disease characterized by the development of polyps usually confined to the nose, mouth or eye but rarely seen in genitalia or other mucous membranes. 	<p>Rhinosporidiosis VDC</p> <ul style="list-style-type: none"> • It was first identified in Argentina. • The large majority of cases are been identified in India and Sri Lanka. • The disease is generally confined to mucous membrane, hematogenous dissemination has been recorded very rarely. 	<p>Rhinosporidiosis VDC</p> <ul style="list-style-type: none"> • Agent: rhinosporidium serbeni • Mode of infection: Inhalation of spores • Microscopically polypoid masses show chronic inflammation and classical characteristic sporangia. • The sporangia is 80 to 350 microns in diameter and have a thick homogenous wall contain clear cytoplasm and innumerable small endospores.
<p>Rhinosporidiosis VDC</p> <ul style="list-style-type: none"> • The rupture of the sporangia evokes a foreign body giant cell reaction. • The treatment of choice is surgical removal of the lesions. 	<p>CLINICAL VDC</p> 	<p>Histoplasmosis VDC</p> 	<p>Diagnosis VDC</p> <ul style="list-style-type: none"> • Demonstration of organisms in biopsy specimen • Culture • Serologic demonstration of antigen or antibodies 	<p>HISTOPATHOLOGY VDC</p> 
<p>Diagnosis VDC</p> <ul style="list-style-type: none"> • Cytologic or histopathologic examination of 	<p>VDC</p>	<p>ACTIVITY VDC</p> <ul style="list-style-type: none"> • QUICK QUIZ 		

Sample Keynote Presentation

EDMODO as an Interactive ICT tool

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Filter posts by

TS Bharath posted to Odontogenesis
Teacher at Vishnu Dental College
Jul 25 - 10:23 AM

Upon successful completion of this session, learner can:

1. List different stages of tooth development (Level 1)
2. Identify various layers of enamel organ in each stage (Level 2)
3. Draw a neat labeled histological diagram on each stage of tooth development (Level 3)

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TS Bharath posted to Odontogenesis
Teacher at Vishnu Dental College
Jul 25 - 12:36 PM

Untitled quiz - 2019-07-25-05-54-55 0 Submissions

Due 07/27

15 questions • 60 minutes

Like Comment


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Teacher at Vishnu Dental College
Jul 24 - 2:47 PM

diagnosis



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Teacher at Vishnu Dental College
Jul 24 - 2:29 PM


vedic quiz View Quiz results 0/1 ✓

Due 07/24

1 question • 60 minutes

edmodo Home Classes Library Messages Search

watch the video for better understanding and for you to imagine things during the lecture



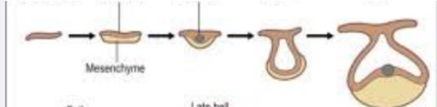
Tooth development 3D video - www.4dent.net youdu.be

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TS Bharath posted to Odontogenesis
Teacher at Vishnu Dental College
Jul 25 - 10:54 AM

Students, read the attachments to learn the subject and attain outcome



Socrative App as an evaluation ICT tool



VDCDMB

Rama Krishna ▾

LAUNCH

QUIZZES

ROOMS

REPORTS

RESULTS

0
👤 ▾

Dental Composites 1 - Wed Dec 26
2018

 REPORTS

☒ Show Names ☒ Show Answers

Name ↑	Score (%) ▾	1	2	3	4	5
K Sushma Sri	100%	C	A	False	A	B
Kokila	80%	C	D	False	A	B
Manjusha	100%	C	A	False	A	B
N.Brunda	100%	C	A	False	A	B
Navya sri	100%	C	A	False	A	B
P.navya swarupa	80%	C	D	False	A	B
Priya	100%	C	A	False	A	B
Tejaswini	80%	C	D	False	A	B
Vasavi duvada	100%	C	A	False	A	B
Class Total		100%	67%	100%	100%	100%

Click question numbers or class total percentages for detailed views.

Dental Composites 1

Total Questions: 5

Most Correct Answers: #5

Least Correct Answers: #2

1. Which of the following is NOT a direct aesthetic restorative material?

- 1/17 ☐ A Composite
- 0/17 ☐ B Glass Ionomer Cement
- 16/17 ☒ C Ceramic
- 0/17 ☐ D Silicate Cement

2. All the following are TRUE regarding resin matrix, EXCEPT

- 11/17 ☒ A More solubility in oral fluids
- 1/17 ☐ B More polymerization shrinkage
- 0/17 ☐ C More CoTE
- 5/17 ☐ D More water sorption

3. Resin to filler ratio is directly proportional to the strength.

- 2/17 ☐ A True
- 15/17 ☒ B False

4. Which of the following material is responsible for bonding between filler particles and resin matrix?

- 14/17 ☒ A Silane
- 1/17 ☐ B Toulene
- 0/17 ☐ C Hydroquinone
- 2/17 ☐ D TEGDMA

5. All the following may be resulted in dental composites by the incorporation of fillers, EXCEPT

- 0/17 ☐ A Increases strength
- 16/17 ☒ B Increases water sorption
- 0/17 ☐ C Decrease CoTE
- 1/17 ☐ D Decrease Polymerisation shrinkage

Google forms as an assessment tool

SSR Submission x Vishnu Dental College x NAAC - Vishnu Dental Coll... x Inbox (1,396) - ramarajuav... x Dental Composites 2 - Requi... x Endodontic Materials - Goo... x Endodontic Materials - Goo... x

docs.google.com/forms/d/1PLr8FvMn3LdnljJh8stJc9VQ3s6u5a5uIC4ApRfKp0/edit

Endodontic Materials

QUESTIONS RESPONSES 55 Total points: 4

Dental Materials

Endodontic Materials

Email address *

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1. The aim of the endodontic treatment is; *

- ☐ to extract the decayed tooth
- ☐ to save the decayed tooth
- ☐ to damage the firm tooth

2. Which of the following materials is most widely used for capping of vital pulp? *

- ☐ Glass Ionomer cement
- ☐ Calcium Hydroxide Cement
- ☐ Zinc Phosphate cement
- ☐ ZOE Cement

3. Which of the following materials can be used as root obturating materials? *

- ☐ Gutta Percha points
- ☐ Silver Points
- ☐ Titanium Points
- ☐ All the above
- ☐ None

4. Which of the following can not be used as root canal sealing materials? *

- ☐ ZOE Cement



Endodontic Materials

QUESTIONS

RESPONSES 55

4
Total points

55 responses



- SUMMARY
- QUESTION
- INDIVIDUAL

Accepting responses ☒

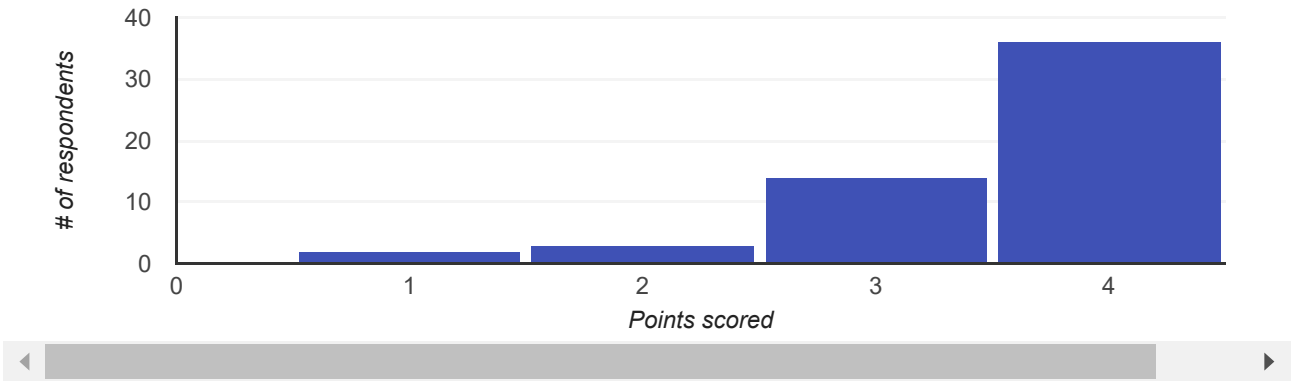
Insights

Average
3.53 / 4 points

Median
4 / 4 points

Range
1 - 4 points

Total points distribution



Scores

RELEASE SCORES

Email	Score / 4
rkdentalbiomaterials@gmail.com	4
rkdentalbiomaterials@gmail.com (1)	4
prathyushakancherla1998@gmail.com	4
gseshanjana@gmail.com	3
sridevimarothisbs@gmail.com	4
nekkadapu.tulasi98@gmail.com	3

Email

Score / 4

kgspravallika@gmail.com
nandinanavyaharitha@gmail.com
tejukotikalapudi@gmail.com
gpvparvathi@gmail.com

4
3
4
3

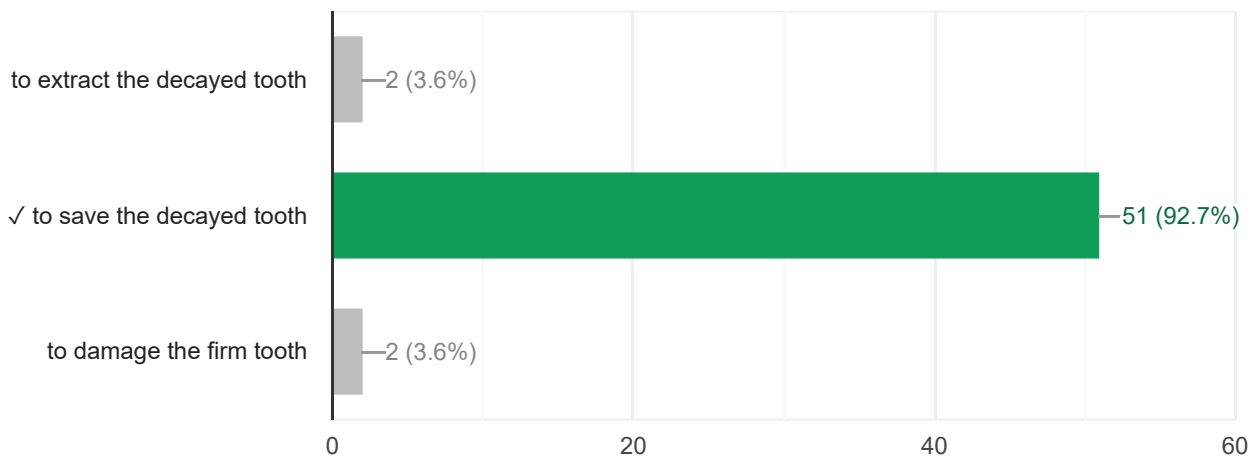
Waiting for 4 responses

[SEND EMAIL REMINDER](#)

vinsasv@gmail.com
jolly4al@gmail.com
swathikiranmai22@gmail.com
kannakrishna4@gmail.com

1. The aim of the endodontic treatment is;

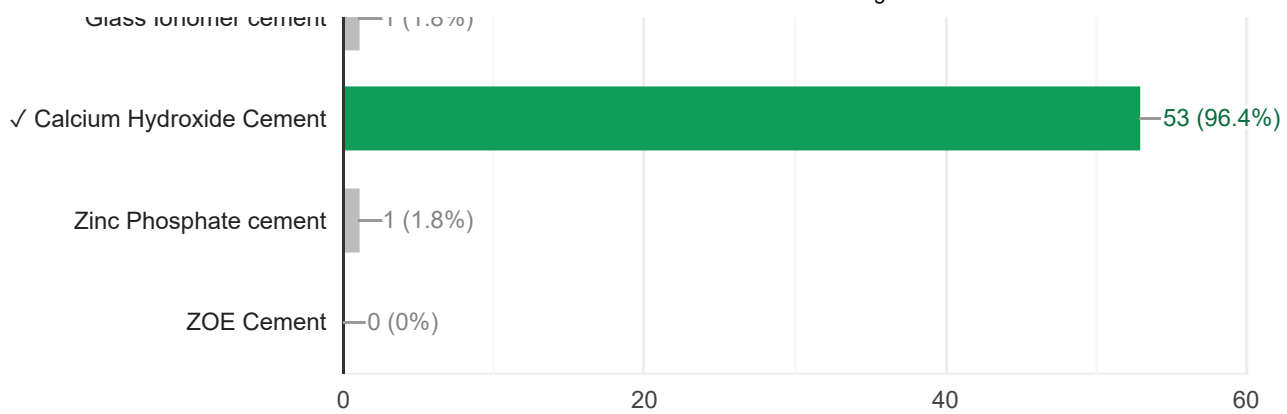
51 / 55 correct responses



2. Which of the following materials is most widely used for capping of vital pulp?

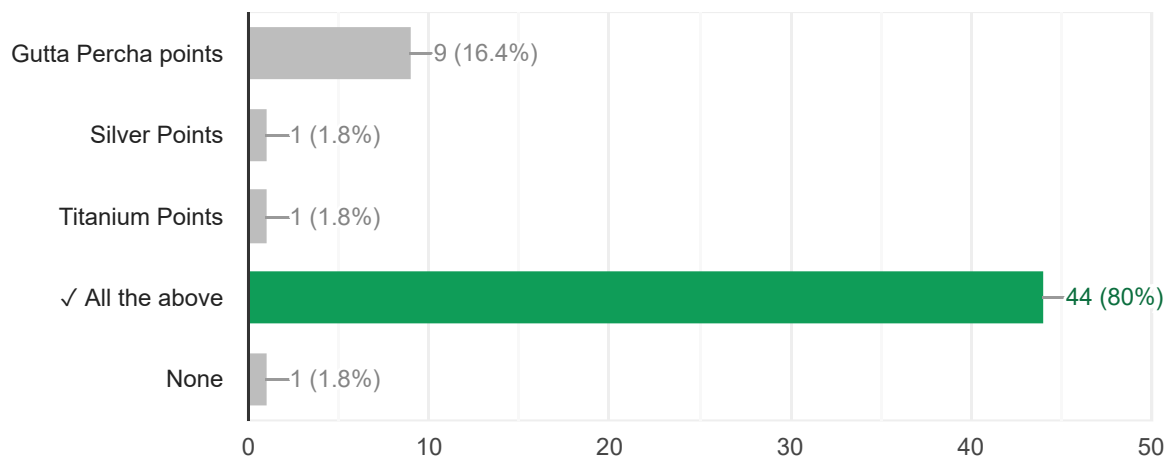
53 / 55 correct responses





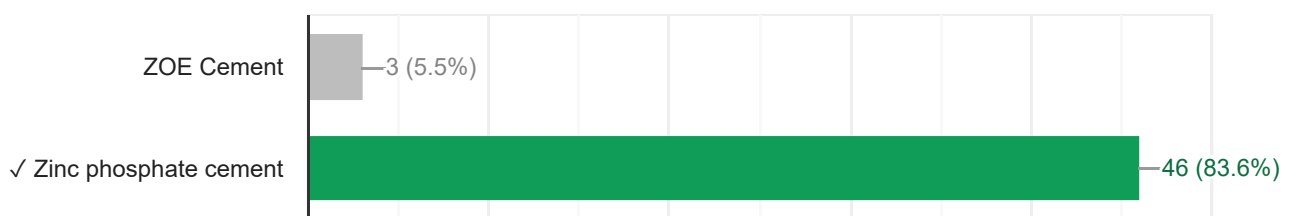
3. Which of the following materials can be used as root obturating materials?

44 / 55 correct responses

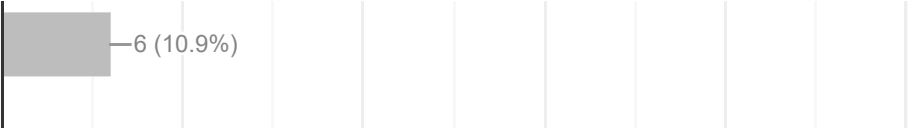


4. Which of the following can not be used as root canal sealing materials?

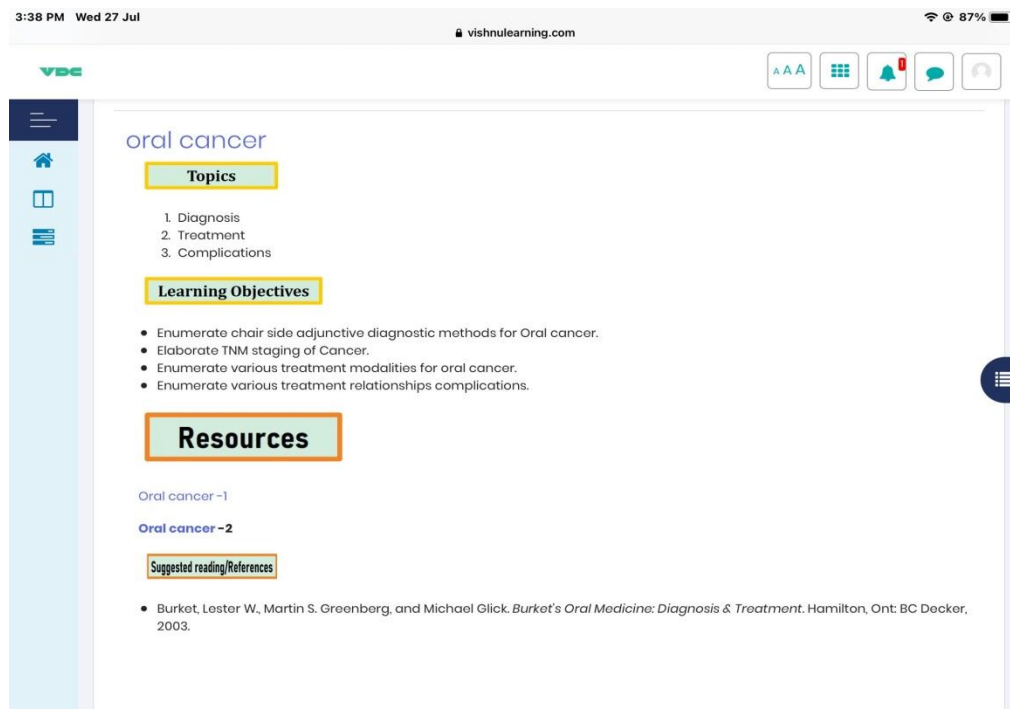
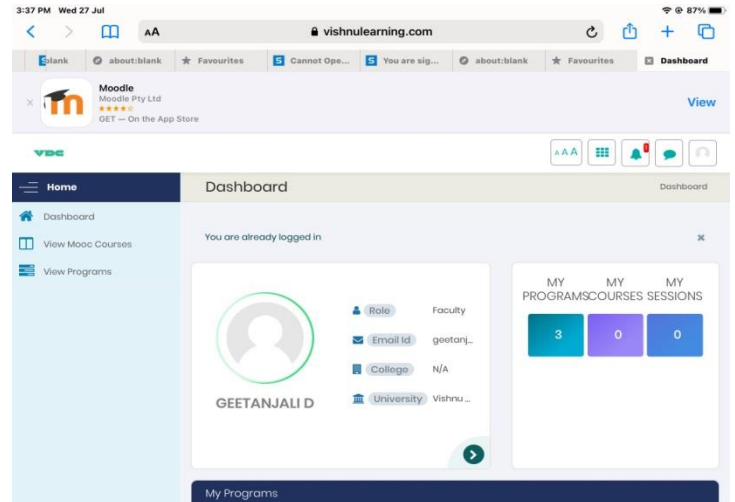
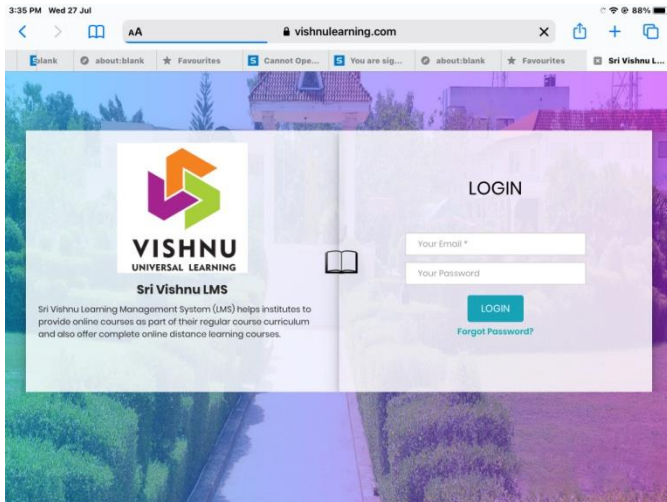
46 / 55 correct responses



Calcium Hydroxide cement



MOODLE –LMS SYSTEM



Vishnu Dental College::Bhimavaram

ICT – enabled tools used for teaching and learning

ICT tools for teaching

1. Apple TV
2. LCD projector
3. Visualizer
4. OHP projector
5. Wireless and collar microphones
6. Amplifiers
7. Noise isolation speakers
8. Accessory tools – Keynote, Pages, Numbers, Google Docs, etc
9. Interactive tools – Classroom app, Socrative app, Kahoot app, Edmodo, MOODLE, Skill Pro mobile app
10. Mobile Device Management – Zulu Desk, Apple School Manager
11. Database management system – Dental College Automation Package (DCAP)

ICT tools for Learning

1. Apple iPad
2. Data storage - Mac mini server
3. Data sharing – File Explorer app
4. Digital library – EBSCO
5. Internet and Intranet through WiFi and LAN connectivity
6. Learning Management system: Classroom app, Socrative app, Kahoot app and Edmodo.

As a VDC e-learning team, we have built a solution that promotes flipped class teaching technique. Through an established database management system, this technology has enabled students to master numerous topics of dentistry at their own speed and learning style. The teachers at this institute use iPads and numerous apps such as socrative, kahoot, Edmodo, and Google forms, as well as crossword puzzles and other games. Since the 2017 academic year, the institute's first BDS batch has been required to use iPads during lecture classes as well as practical/clinical sessions through Wi-Fi (intranet). Experts hold special seminars on a regular basis to instruct teachers in the use of these iPad apps.

According to the annual academic plan, each topic will be divided into the content plan, session plan, lecture keynotes, pdf handouts, images, videos, and best internet sources for specific topics, and MCQ's for various entrance examination on specific topics will be prepared and uploaded to the i-mac server, so that students can look into them even before the theory classes and have the best idea and knowledge on that specific topic. Aside from that, professors edify on YouTube and direct students to numerous websites to gain information on a certain topic.

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