

SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

AGALAKOTE, B.H.ROAD, TUMKUR-572107, KARNATAKA.

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A Constituent College of Sri Siddhartha Academy of Higher Education (Deemed-to-be-university) Accredited 'A' Grade by NAAC

Phone No: / Fax No: 0816-2275536

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Dept. Of Public Health Dentistry CLINICAL SKILL PROGRAMME

Date: 13/11/17

Topic: Atraumatic Restorative Technique

Target population: Final Year Students

Resource person: Dr. Bharateesh. J. V

Dr. Mythri. H

Dr. Darshana. B

Detail:

The students are explained the importance of Atraumatic Restorative Technique (ART) and is made to do the procedure under supervision of the resource person.

(ART) is based on the **minimal intervention dentistry approach** that provides several benefits:

- ✓ Avoid aerosol generation
- ✓ Save the tooth
- ✓ Reduce the chance of odontogenic infection
- ✓ Manage pain

Procedure:

1. Ensure the patient understands the treatment to be carried out, has consented and knows what steps are involved. Advice to patients include:
 - Cleaning the tooth will sound “scratchy” or “picky” during the procedures.
 - The patient is advised not to eat for the first hour after the treatment is finished.
2. Inspect the cavitated tooth
 - Make sure the tooth is clean and dry either directly or indirectly using a dental mirror.
 - Any plaque or food debris within the cavity is gently removed using a toothbrush or wet cotton pellet.
3. Isolation (avoiding moisture on the tooth)
 - The tooth to be restored (filled with a restorative material) is isolated with cotton wool to keep it dry.
 - Other methods, such as a “Dry Guard” and saliva ejectors can also be used to keep the tooth dry.

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Dept. Of Public Health Dentistry CLINICAL SKILL PROGRAMME

Date:3/2/17

Topic: Topical Fluorides.

Target population:FinalYearStudents

Resource person:Dr.Bharateesh.J.V

Dr.Mythri.H

Dr.Darshana.B

Detail:

The students were explained the different procedures of topical fluorides Knutsons technique/Muhlers Technique/Brudevold Technique and topical fluoride application (APF GEL) was applied under supervision of resource persons.

- 1.Mouth trays should be tried in the patient's mouth. It may be necessary to adapt or trim trays.
- 2.Patient should be seated upright and suction should be used during the procedure.
- 3.Teeth should be air-dried before gel application. For caries prevention, cleaning or prophylaxis is unnecessary prior to APF Gel
- 4.Enough gel, or foam, should be used to completely cover the teeth, but should be no more than 2–2.5 grams per tray or 40% of the tray's volume.
- 5.Upper and lower trays should be inserted separately.
- 6.Fluoride should be applied for 4 minutes.
- 7.Patient should expectorate for 1–2 minutes after tray removal.
- 8.Patient should not rinse, eat, or drink for at least 30 minutes after the procedure

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Head of the Department
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[Dr. Bharatesh JV]

K.N. Abhinav
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DEPARTMENT OF ORTHODONTICS

CLINICAL SKILL PROGRAM

Date:04/11/2017

Topic: Demonstration of placement of mini implants in skull

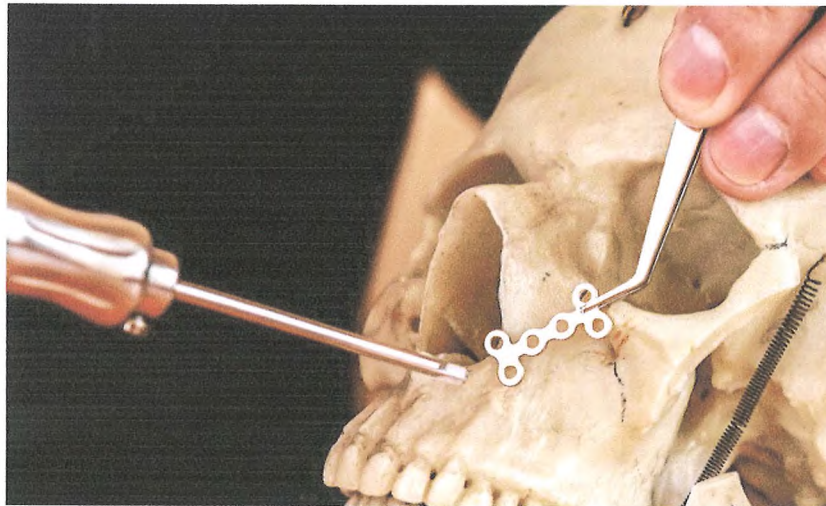
Target population

Participants: Group of Post Graduate students


Resource person: Dr. Prasanna T R, Reader

Details: Clinical skill program was conducted among 6 PG students by Dr. Prasanna T R. It was conducted on 04/11/2017 on the demonstration of placement of mini implants in skull.

Mini implants are emerging as the preferred anchorage appliances in Orthodontics. It is very important to identify the safe zones for the placement of mini implants. Demonstration of safe zones for the placement of mini implants has helped the post graduate students to prepare the anchorage properly in a case.




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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY CLINICAL SKILLS PROGRAMMEE

Title: Use of B Class Autoclave

Date: 23/11/17

Objective:

1. To provide the participants basic knowledge on the use of wiring techniques
2. To train and educate the participants on the knowledge of wiring techniques and IMF in facial trauma management

Significance:

Infection control is important to prevent disease spread from person to person and also treatment of patients with utmost care and priority. A Class B Steriliser is a high level steam steriliser that uses a vacuum pump to remove air/steam mixtures from the chamber prior to sterilisation cycle beginning. Steam sterilisation is an essential step for reusable dental instruments as it favours the sterilisation in the most effective and efficient manner.

Course Content:

1. Introduction to Sterilisation.
2. Types of Autoclave
3. Indications and uses of B class Autoclave
4. Live demonstration on model.

Method of Content Delivery:

1. One – hour lecture class using power point was conducted about B Class Autoclave
2. Followed by live demonstration.

Teaching Aid:

1. Power point presentation for lecture class
2. Autoclave

Audience:

Undergraduates and postgraduates who were willing to participate were included.

Resource person:

Dr. Ramya R, Senior lecturer of Department of Oral and MaxilloFacial Surgery gave lecture and demonstration on model.


Description:


One hour lecture class was given by the resource person.

Students were encouraged to participate the class and clear doubts.

A live demonstration was given by the resource person on B class Autoclave.

Conclusions: It was aimed at a small group of students to make them well adapted to B Class Autoclave for sterilisation


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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY CLINICAL SKILLS PROGRAMMEE

Title: Attire Techniques

Date: 07/06/17

Objective:

1. To provide the participants basic knowledge on the use of attires in Oral surgery
2. To train and educate the participants on the knowledge and importance of attire techniques.

Significance:

Surgical attire provides a barrier to microbes shed from skin and hair of healthcare workers, thereby protecting patients and promoting clean environment. They should never be worn from outside of hospital to the inside of operating room and should be changed upon entry to the OT. There are certain guidelines and procedures to be followed for surgical attires and following them aids in the benefit overall.

Course Content:

1. Introduction to Surgical attires.
2. Types and techniques of surgical attires
3. Indications and uses of surgical attire
4. Live demonstration of attire technique.

Method of Content Delivery:

1. One – hour lecture class using power point was conducted about surgical attire
2. Followed by live demonstration.

Teaching Aid:

1. Power point presentation for lecture class
2. Model.

Audience:

Undergraduates and postgraduates who were willing to participate were included.

Resource person:

Dr. Preethi Bhat, Reader of Department of Oral and MaxilloFacial Surgery gave lecture and demonstration on model.


Description:


One hour lecture class was given by the resource person.

Students were encouraged to participate the class and clear doubts.

A live demonstration was given by the resource person on attire techniques and later hands-on was given to all the participants.

Conclusions: It was aimed at a small group of students to make them well aware of Attire techniques.


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SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY

REPORT

Department of oral pathology & microbiology is conducted Skill Development program on 3/5/17 at Oral pathology department from 10.am-1pm. Topic- **FORENSIC ODONTOLOGY** by **Dr. Kokila G** Senior Lecturer, Department of oral pathology & microbiology, Sri Siddhartha dental college & hospital, Tumkur.

TOTAL 23 Students participated in the program which included both PG & UG students



Signature of Resource person

Dr. Kokila G

Signature of HOD

Dr. Kokila G

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Signature of Principal

Dr. Kashinath KR

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DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY

SKILL DEVELOPMENT PROGRAMME

REPORT

A clinical skill program for UG and PG was conducted on 27/04/2018 at 10 am in the department of pedodontics and preventive dentistry. Test was conducted for PGs on the same topic to evaluate them.

- IV training
- Microteaching

RESOURCE PERSON: Dr.NAGALAKSHMI CHOWDHARY, HOD & PROFFESOR, Department of Pedodontics and Preventive dentistry, SSDC, TUMKUR

HOD
DEPARTMENT OF PEDODOTICS AND PREVENTIVE DENTISTRY

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SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY

REPORT

Department of oral pathology & microbiology is conducted Skill Development program on 18/4/18 at Oral pathology department from 10.am-1pm. Topic- Microscopy by Dr. Likhitha swamy HR Senior Lecturer, Department of oral pathology & microbiology, Sri Siddhartha dental college & hospital, Tumkur.

Types and use of microscopes in various fields of medicine were explained with examples. UG students were trained to use research microscope and use of pentahead microscope experience was provided.

TOTAL 21 Students participated in the program



Signature of Resource person

Dr. Likhitha swamy HR

Signature of HOD

Dr. Kokila G

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DEPARTMENT OF ORTHODONTICS

CLINICAL SKILL PROGRAM

Date:01/03/2018

Topic: Demonstration of preparation of components of removable appliance.

Target population: Group of Under Graduate students

Resource person: Dr. Dr. Madhusudhan V, Reader

Details: Clinical skill program was conducted among 5 UG students by Dr. Madhusudhan V. It was conducted on 01/03/2018 on the demonstration of preparation of components of removable appliance.

The components of removable appliance includes, clasps, bows and springs. The knowledge of preparation of removable Orthodontic appliances is very important because simple malocclusion can be treated using removable appliance. Demonstration of wire component fabrication along with activation of active components of removable appliances helped the students to gain knowledge about the appliance and how to deliver in a patient for their clinical practice.




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Department of Oral Medicine and Radiology

26/01/2018

Sub: Report on Clinical Skill Program

A clinical skill Program on “**Taking OPG**” was conducted for interns on 24/01/18 between 2.00pm to 3.00pm. Dr. Jayadev S, Reader, Department of Oral Medicine & Radiology was the resource person for the program.

Program was conducted in the Department of Oral Medicine and Radiology, SSDC.

A total of 07 participants attended the program.



Signature of Resource person

Signature of HOD

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Dept. Of Public Health Dentistry CLINICAL SKILL PROGRAMME

Date:13/6/18

Topic:Atraumatic Restorative Technique

Target population:Final Year Students

Resource person:Dr.Bharateesh.J.V

Dr.Mythri.H

Dr.Darshana.B

Detail:

The students are explained the importance of Atraumatic Restorative Technique(ART) and is made to do the procedure under supervision of the resource person.

(ART) is based on the **minimal intervention dentistry approach** that provides several benefits:

- ✓ Avoid aerosol generation
- ✓ Save the tooth
- ✓ Reduce the chance of odontogenic infection
- ✓ Manage pain

Procedure:

1. Ensure the patient understands the treatment to be carried out, has consented and knows what steps are involved. Advice to patients include:
 - Cleaning the tooth will sound “scratchy” or “picky” during the procedures.
 - The patient is advised not to eat for the first hour after the treatment is finished.
2. Inspect the cavitated tooth
 - Make sure the tooth is clean and dry either directly or indirectly using a dental mirror.
 - Any plaque or food debris within the cavity is gently removed using a toothbrush or wet cotton pellet.
3. Isolation (avoiding moisture on the tooth)
 - The tooth to be restored (filled with a restorative material) is isolated with cotton wool to keep it dry.
 - Other methods, such as a “Dry Guard” and saliva ejectors can also be used to keep the tooth dry.

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4. Cavity access and initial preparation
 - If the cavity is too small to be able to clean and place a filling, then the entrance is widened by placing the dental hatchet into the cavity. The instrument is turned around one direction and then backwards, like turning a key in a lock.
 - Soft, decayed tissue is removed by using a spoon excavator with circular scooping movements, avoiding pressure (the spoon excavator must be sharp to also remove unsupported enamel – the hardest part of the tooth).
5. Peripheral margin modification
 - Any remaining thin demineralised and unsupported overhanging enamel is removed with sharp spoon excavators or dental hatchets
6. Cleaning and conditioning the prepared cavity
 - The cavity and the occlusal surfaces, including the pits and fissures, are cleaned with wet cotton pellets.
 - Dentine conditioner (polyacrylic acid) is applied to the entire cavity and adjacent fissures to promote a better bond between the GIC filling and the tooth using a disposable dental micro brush or cotton pellet, rubbing it against the dental tissues for 15 seconds.
 - The cavity is washed immediately with wet cotton pellets and dried with dry cotton pellets.
7. Mixing and restoring the cavity with HVGIC
 - The dental nurse/assistant mixes the HVGIC (encapsulated or powder/liquid) and the operating clinician slightly overfills the cavity with the material, also placing it in the remaining pits and fissures.
 - The clinician places their gloved finger with slight pressure over the filling surface (this allows the material to accommodate better to the cavity shape) for a full 2 minutes until the material has set (press-finger technique).^[17]



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[Dr. Bharatesh JV]

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SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY

REPORT

Department of oral pathology & microbiology is conducted Skill Development program on 14/7/18 at Oral pathology department from 10.am-1pm. Topic- Routine Hematology Investigations by Dr. Kokila G, Professor, Department of oral pathology & microbiology, Sri Siddhartha dental college & hospital, Tumkur.

Knowledge of Routine Hematology Investigations and understanding there results is a primary requirement in clinical practice. UG students were trained on demonstration on how to draw blood and routine hematological investigations such as CT,BT,RBS,HB% etc.

TOTAL 29 Students participated in the program



Signature of Resource person

Dr. Kokila G

Signature of HOD

Dr. Kokila G

Signature of Principal

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DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY SKILL DEVELOPMENT PROGRAMME

REPORT

A clinical skill program for UG and PG was conducted on 27/10/2018 at 10 am in the department of pedodontics and preventive dentistry. Test was conducted for PGs on the same topic to evaluate them.

- Nanotechnology material
- Cephalometric analysis using digital software

RESOURCE PERSON-Dr.NAGALAKSHMI CHOWDHARY, HOD & PROFFESOR, Department of Pedodontics and Preventive dentistry, SSDC, TUMKUR

HOD
DEPARTMENT OF PEDODOTICS AND PREVENTIVE DENTISTRY

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Department of Oral Medicine and Radiology

26/10/2018

Sub: Report on Clinical Skill Program

A clinical skill Program on “**Examination of lymphadenopathy**” was conducted for interns on 25/10/18 between 2.00pm to 3.00pm. Dr. Suchetha DN, Senior lecturer, Department of Oral Medicine & Radiology was the resource person for the program.

Program was conducted in the Department of Oral Medicine and Radiology, SSDC.

A total of 30 participants attended the program.



Signature of Resource person

Signature of HOD
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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY CLINICAL SKILLS PROGRAMMEE

Title: Dental Implants Armamentarium

Date: 10/08/18

Objective:

1. To provide the participants basic knowledge on the use of implants
2. To train and educate the participants on the knowledge of Armamentarium for implant placement.

Significance:

Implants help to maintain and strengthen bone structure and provide the ability to chew healthy food and give patients the confidence to smile. They also protect existing teeth by helping to preserve crown structure. Various Implants are available in the market and it is essential to know how to deal with each type for the efficiency of procedure.

Course Content:

1. Introduction to implants.
2. Armamentarium
3. Live demonstration of implant surgery on model.

Method of Content Delivery:

1. One – hour lecture class using power point was conducted about implant
2. Followed by live demonstration.

Teaching Aid:

1. Power point presentation for lecture class
2. Model.

Audience:

Undergraduates and Postgraduates who were willing to participate were included.

Resource person:

Dr. Ravi Kumar R, Reader of Department of Oral and MaxilloFacial Surgery gave lecture and demonstration on model.


Description:


One hour lecture class was given by the resource person.

Students were encouraged to participate the class and clear doubts.

A live demonstration was given by the resource person on Implant armamentarium

Conclusions: It was aimed at a small group of students to make them well adapted to Dental Implant.


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DEPARTMENT OF PERIODONTICS

REPORT OF CLINICAL SKILL PROGRAMME

A clinical skill programme was organised by department of Periodontics which was held on the demonstration of mucogingival surgery on 19/12/2018, for the final year BDS students and interns. The demonstration involved around 2-3 students, posted in the department of periodontology, during the clinical posing hours. The programme involved the demonstration of various mucogingival surgical techniques, on models.

The session ended with an interactive discussion between the staff and the students.



Jayraj

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY **CLINICAL SKILLS PROGRAMMEE**

Title: Soft tissue management in Dental Implants

Date: 11/02/19

Objective:

1. To provide the participants basic knowledge on the use of implants
2. To train and educate the participants on the knowledge of Armamentarium for implant placement.

Significance:

Implants help to maintain and strengthen bone structure and provide the ability to chew healthy food and give patients the confidence to smile. They also protect existing teeth by helping to preserve crown structure. Soft tissue management is essential for implant surgery to maintain aesthetics and function.

Course Content:

1. Introduction to implants.
2. Armamentarium
3. Live demonstration of implant surgery on model.

Method of Content Delivery:

1. One – hour lecture class using power point was conducted about soft tissue management in implant surgery
2. Followed by live demonstration.

Teaching Aid:

1. Power point presentation for lecture class
2. Model.

Audience:

Undergraduates and Postgraduates who were willing to participate were included.

Resource person:

Dr Marimallappa T R, Reader of Department of Oral and MaxilloFacial Surgery gave lecture and demonstration on model.

Description:


One hour lecture class was given by the resource person.

Students were encouraged to participate the class and clear doubts.

A live demonstration was given by the resource person on Implant surgery.

Conclusions: It was aimed at a small group of students to make them well aware of soft tissue management in Dental Implantology.


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Recognized by Dental Council of India, NEW DELHI

A Constituent College of Sri Siddhartha Academy of Higher Education (Deemed-to-be-university) Accredited 'A' Grade by NAAC
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DEPARTMENT OF PERIODONTICS

REPORT OF CLINICAL SKILL PROGRAMME

A clinical skill programme was held on the demonstration of mucogingival surgery on 04/02/2019 for the final year BDS students and interns. The demonstration involved around 2-3 students, posted in the department of periodontology, during the clinical posing hours. The programme involved the demonstration of various mucogingival surgical techniques, on models.

The session ended with an interactive discussion between the staff and the students.



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DEPARTMENT OF PERIODONTICS

REPORT OF CLINICAL SKILL PROGRAMME

A clinical skill programme was held on basic life support training, on 15/06/2019, for the post graduate students. The programme involved around 2-3 post graduate students. The programme involved the training of post graduate for the basic life support, on mannequins, followed by the certification for the same.

The programme concluded with the post graduates acquiring the necessary basic life support skills.



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DEPT OF PERIODONTICS

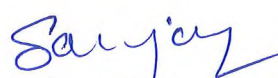

REPORT OF CLINICAL SKILL PROGRAMME (2021-22)

A clinical skill programme was held on basic life support training, on 22/7/2022, for the post graduate students. The programme involved around 2-3 post graduate students. The programme involved the training of post graduate for the basic life support, on mannequins, followed by the certification for the same.

The programme concluded with the post graduates acquiring the necessary basic life support skills.




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**SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION
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LIST OF CLINICAL SKILL TRAINING MODELS

- Metal Edentulous Die
- Acrylic Edentulous Die
- Dentulous Silicone Rubber Mould
- Edentulous Silicone Rubber Mould
- Partially Edentulous Silicone Rubber Mould
- Individual Tooth Silicone Rubber Mould
- Articulators
- Phantom Head For Patient Head Simulator
- Phantom Head Radiology

Oral histology slides

- a) Development of tooth
- b) Enamel
- c) Dentin
- d) Pulp
- e) Cementum
- f) Periodontal ligament
- g) Bone
- h) Oral mucosa
- i) Salivary glands
- j) J maxillary sinus

2. Oral pathology slides

- a. Developmental disturbances
- b. Benign & malignant tumors
- c. Tumors of salivary glands

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- d. Odontogenic cysts & tumors
 - e. Diseases of microbial origin
 - f. Diseases of pulp & periapical tissue
 - g. physical & chemical injuries
 - h. Diseases of bone
 - i. Diseases of skin
-
- 3. Oral pathology casts and specimens
 - 4. Research microscope
 - 5. Binocular microscope
 - 6. Monocular microscope
 - 7. Stereo microscope
 - 8. Pentahead microscope
 - 9. Carving area
 - 10 Hematology lab
 - 11. Histopathology lab
 - 12. Museum

XC-401 Multifunctional patient care manikin

**SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION
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Sri Siddhartha Medical College

Mannequins:

For Demo

Intravenous injections

Enema

Local Intramuscular injections

Intracardiac administrations

And other drug administrations

Podiascan:

Planter foot scanner

**SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION
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ANALOG AND DIGITAL ELECTRONIC CIRCUITS LAB

Subject Code: 18CS3L02

Lab cycles	Description
I	1. To simulate the operation of i) Half wave and full wave rectifier ii) RC coupled CE amplifier and to plot the frequency response 2. To simulate i) Diode clipping and clamping circuit ii) Inverting and non-inverting amplifiers using Op-amp IC 741
II	3. To simulate the operations of i) Op-amp such as: integrator, differentiator ii) A-stable multi-vibrator using IC555 timer for the given Duty cycle 4. To simulate the working of i) ADC and DAC ii) To study the working of sensors such as: LDR and PIR
III	5. To Realize the given Boolean equation (4 variables) using minimum number of gates. i) Using basic gates ii) Using universal gates 6. To Implement 4-bit adder/subtractor using IC 7483. 7. Multiplexers & Demultiplexers To verify the truth tables of 8:1 MUX and 1:8 DEMUX using IC 74151 and IC74149 8. Adders & Subtractors To implement Full Adder and Full Subtractor using IC 74153 (MUX).
IV	9. To realize i) 1-bit comparator using logic gates. ii) 4 bit magnitude comparator using IC 7485. Decoders and Encoders. i) Display the digits from 0 to 9 using BCD-to-7 Segment ii) Decoder (IC 7447). ii) Implement Decimal-to-BCD Encoder using IC 74148. 10. Flip-Flops. i) Verify the truth tables of SR and D flip flops using NAND gates. ii) Verify the truth table of JK Master-Slave flip flop using IC 7476. 11. To Realize and study Ring and Johnson counters using IC 7495.
V	12. Design a 3-bit asynchronous up counter and down counter (ripple counter) using IC 7476 for the given modulus. 13. Design a 3-bit synchronous counter using IC 7476 for the given modulus. 14. i) Write the Verilog / VHDL code for full adder. Simulate and verify its working. ii) Write the Verilog / VHDL code for an 8:1 multiplexer. Simulate and verify its working. 15. i) Write the Verilog / VHDL code for D flip flop with positive-edge triggering. Simulate and verify its working. ii) Write the Verilog /VHDL code for mod-8 up counter. Simulate and verify its working.

COMPUTER NETWORKS LABORATORY

Subject Code: IS6L01

Simulation Exercises

PART A: The following experiments shall be conducted using either NS228/OPNET or any other simulators.

1. Simulate a three nodes point-to-point network with duplex links between them. Set the queue size vary the bandwidth and find the number of packets dropped.
2. Simulate a four node point-to-point network, and connect the links as follows: n0-n2, n1-n2 and n2-n3. Apply TCP agent between n0-n3 and UDP n1-n3. Apply relevant applications over TCP and UDP agents changing the parameter and determine the number of packets by TCP/UDP.
3. Simulate the different types of Internet traffic such as FTP a TELNET over a network and analyze the throughput.
4. Simulate the transmission of ping message over a network topology consisting of 6 nodes and find the number of packets dropped due to congestion.
5. Simulate an Ethernet LAN using N-nodes (6-10), change error rate and data rate and compare the throughput.
6. Simulate an Ethernet LAN using N nodes and set multiple traffic nodes and determine collision across different nodes.
7. Simulate an Ethernet LAN using N nodes and set multiple traffic nodes and plot congestion window for different source/destination.
8. Simulate simple ESS and with transmitting nodes in wire-less LAN by simulation and determine the performance with respect to transmission of packets.

PART B: The following experiments shall be conducted using C/C++.

1. Write a program for error detecting code using CRC-CCITT (16-bits).
2. Write a program for frame sorting technique used in buffers.
3. Write a program for distance vector algorithm to find suitable path for transmission.
4. Write a program for spanning tree algorithm (Kruskal's /Prim's) to find loop less path.
5. Using TCP/IP sockets, write a client-server program to make client sending the file name and the server to send back the contents of the requested file if present.
6. Implement the above program using as message queues or FIFOs as IPC channels.
7. Write a program for simple RSA algorithm to encrypt and decrypt the data.
8. Write a program for Hamming Code generation for error detection and correction.
9. Write a program for congestion control using Leaky bucket algorithm.

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COMPUTER AIDED MACHINING LAB (Swan soft CNC machining simulation software)

Subject Code: IM5L02

Part-A

Writing and execution of manual part programming using ISO codes for machining of simple parts- turning, taper turning, form turning and thread cutting. Use of radius compensation, canned cycles, macros and etc.

Part- B

1. CNC milling- Writing and execution of part program for contour milling and etc.
2. Simulation of Cutting / Milling operations on a computer using CAM packages.

SIMULATION LAB (Arena simulation software)

Subject Code: IM6L02

1. Features of Simulation Packages and building simulation models for inventory, Layout, Line balancing, Scheduling and other such shop floor activities. **8 exercises**
2. Building simulation models for service activities like banking transactions, Food world chains Material handling systems like conveyors and transporters. **4 exercises**
3. Obtaining of probability distributions for given data using input analyzer. **1 exercise**
4. Statistical analysis of simulation models **2 exercises**