



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)
Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2013-2014
Branch	Biotechnology
Name of the Student	Gagana V
USN	1SG11B7010

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	/				
2	How do you rate the allocation of the credits to the courses?	/				
3	Relevance for implementation in projects		/			
4	How do you rate the electives offered in relation to the technological advancements?	/				
5	How do rate the evaluation scheme designed for each of the course?	/				
6	How do you rate the percentage of courses having LAB components?		/			
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	/				

Suggestions:

Gagana V
Signature


Principal
Sapthagiri College of Engineering
Chikkasandra, Hosangopal Road
Bangalore-560057



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)
Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

STUDENTS FEEDBACK ON CURRICULUM

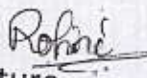
This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.


Academic Year	2013-14
Branch	Biotechnology
Name of the Student	Rohini
USN	1SG11B019

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent 5	Very good 4	Good 3	Average 2	Below Average 1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	✓				
2	How do you rate the allocation of the credits to the courses?	✓				
3	Relevance for implementation in projects					
4	How do you rate the electives offered in relation to the technological advancements?		✓			
5	How do you rate the evaluation scheme designed for each of the course?		✓			
6	How do you rate the percentage of courses having LAB components?	✓				
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	✓				

Suggestions:


Signature


Principal
Sapthagiri College of Engineering
Chikkasandra, Hosanghahalli
Bangalore-560 057



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)
Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

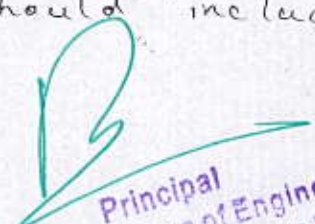
Academic Year	2013-14
Branch	Biotecnology
Name of the Student	Divya Shree
USN	1SG11BT009

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?	✓				
2	How do you rate the allocation of the credits to the courses?	✓				
3	Relevance for implementation in projects	✓				
4	How do you rate the electives offered in relation to the technological advancements?		✓			
5	How do rate the evaluation scheme designed for each of the course?	✓				
6	How do you rate the percentage of courses having LAB components?	✓				
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	✓				

Suggestions: Lab Experiments should include

Divya Shree
Signature


Principal
Sapthagiri College of Engineering
Chikkasandra, Hosuraghatta Road
Bangalore-560 057



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)
Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2013-14
Branch	Biotechnology
Name of the Faculty	Sreenya C.
Designation	Assistant Professor
Subject/Sub. code	Food Biotechnology

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?	✓				
2	Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?		✓			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?	✓				
4	Sufficient reference material and books are available for the topics mentioned in the curriculum?	✓				
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course	✓				
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area		✓			

Suggestions: More practical session / experiments to be added.

Signature

Principal
Sapthagiri College of Engineering
Chikkasandra, Hosuraghatta Road
Bangalore- 560 057

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

CIRCULAR

Date: 26/05/2014

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2014-15. The meeting is scheduled on 27/05/2014 at 12.30 pm in HOD's chamber.

Sl No.	Faculty Name	Designation	Signature
1	Dr. Ananda S	HOD, Professor	Ananda S
2	Dr. Rohit K C	Assistant Professor	[Signature]
3	Prof. Prashanth Kumar H P	Assistant Professor	[Signature]
4	Prof. Soumya C	Assistant Professor	[Signature]
5	Prof. Shobha G	Assistant Professor	[Signature]

Ananda S
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 14/5, Chikkasandra
Hesaraghatta Main Road
Bangalore - 57

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore - 560 057

Date: 27/05/2014

MINUTES OF MEETING

With reference to circular dated on 26/05/2014, the academic committee member assembled in HODs chamber for addressing the following agenda.

Agenda:

- Reviewing the department curriculum syllabus of Academic Year 2014-15
- Reviewing the feedback analysis of various stake holders of academic year 2013-14
- Identifying the gaps
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation	Signature
1	Dr. Ananda S	HOD, Professor	Ananda S
2	Dr. Rohit K C	Assistant Professor	[Signature]
3	Prof. Prashanth Kumar H P	Assistant Professor	[Signature]
4	Prof. Soumya C	Assistant Professor	[Signature]
5	Prof. Shobha G	Assistant Professor	[Signature]

The following points were discussed in the meeting

1. The committee members reviewed the analysis of department curriculum syllabus.
2. The committee members discussed about the feedback of department curriculum syllabus.
3. The members identified the gaps based on the analysis.
4. The following actions were taken for the gaps that are identified.

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

SL.NO	SEM	Course Title	Identified Gap
1	V	Microbiology	Lack of practical implementation

Action Taken:

Based on the feedback obtained from Students, Faculties and Alumni and analysis of syllabus by department academic committee members, it was decided to conduct certification course on Techniques in Clinical Microbiology to overcome the gaps identified in the curriculum/syllabus.

Aranda S
HOD, BT
Head of the Department
of Bio-Technology
Sapthagiri College of Engineering
#14/5, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 56

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057



Sapthagiri College of Engineering

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Date: 29/05/2014

To

IQAC Coordinator

Sapthagiri College of Engineering

Bengaluru-560 057

Respected sir/madam,

Subject: Requisition for conduction of certification course and approval from Governing Council.

With respect to the Academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2014-15. The committee members identified few gaps after analyzing the syllabus and feedback from the stakeholders. To bridge the gaps identified in the curriculum, the committee members decided to conduct a certification course Techniques in Clinical Microbiology for the academic year 2014-15. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

Enclosure: Budget proposal

*Forwarded to the
HOD for approval & ratification*
[Signature]

Ananda S.

HOD
Head of the Department
Dept. of Bio -Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore - 57

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Date: 29/05/2014

To

IQAC Coordinator

Sapthagiri College of Engineering

Bengaluru-560 057

Respected sir

Subject: Budget proposal for conduction of certification of certification program on "Techniques in Clinical Microbiology"

The Budget Proposal for conduction a certificate program on Techniques in Clinical Microbiology from 21st July 2014 to 26th July 2014 is hereby enclosed for your kind consideration and approval.

The details of the recurring budget are given as follows:

Recurring Amount:

Sl. No.	Description	Quantity	Amount in Rs.
1	Bouquet	1	200
2	Certificates	Students	1500
3	Others		2500
Total			4200

*Forwarded to the GC
approval, satisfaction
your*

Ananda S.
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057

Sapthagiri College of Engineering

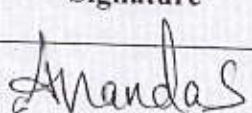




(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

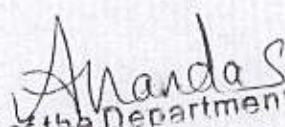
Department of Biotechnology

08-07-2014

CIRCULAR

This is to inform that the following Academic committee members are requested to attend the meeting on 09/07/2014 at 11.30AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "Techniques in Clinical Microbiology".

Sl No.	Faculty Name	Designation	Signature
1	Dr. Ananda S	HOD, Professor	
2	Dr. Rohit K C	Assistant Professor	
3	Prof. Prashanth Kumar H P	Assistant Professor	
4	Prof. Soumya C	Assistant Professor	
5	Prof. Shobha G	Assistant Professor	


Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No 14/5, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 560057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru - 560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Date: 08-07-2014

To,

Dr. Hemavathi

Head of Department

Department of microbiology

Sapthagiri institute of medical sciences & research center

Bangalore - 560057.

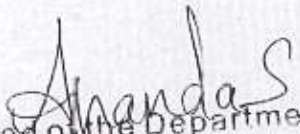
Respected Sir,


Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program

Department of Biotechnology have planned to conduct a certification program titled "Techniques in clinical microbiology" for 5th semester students from 21st July 2014 to 26th July 2014. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 09/07/14 at 11.30 AM. We look forward to welcome you at SCE.

Thanking you


Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore - 57


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

Minutes of Meeting

A meeting was conducted on 09-Jul-2014 in BT HoD's Chamber to discuss and approve the following about the one week Certification Course for 5th Semester BT Students.

Course Title: Techniques in Clinical Microbiology

Resource Personnel: Dr.Hemavathi, HOD, Department of microbiology, Sapthagiri institute of medical sciences & research center, Bangalore - 560057.

Course Duration & Date: One week from 21st July 2014 to 26th July 2014

Syllabus and Schedule of the certification program

Date	Time	Topics
21-7-2014	8:30 AM - 10:15 AM	Introduction to clinical microbiology.
	10:30 AM - 12:30 PM	Microscopy in clinical microbiology, dark field microscopy in clinical microbiology. Use of fluorescent microscopy
	1:30 PM - 4:30 PM	Hands on session on media preparation-sheep blood agar, chocolate agar macconkey thinglycollate, HE agar.
22-7-2014	8:30 AM - 10:15 AM	Infection, Infectious disease, True pathogen.
	10:30 AM - 12:30 PM	Opportunistic pathogen endemic and epidemic, Disease prevalence and incidence.
	1:30 PM - 4:30 PM	Hands on session on isolation and identification of Bacteria and Fungi
23-7-2014	8:30 AM - 10:15 AM	endotoxins and exotoxins
	10:30 AM - 12:30 PM	mode of activity for major antibiotic classes, Inhibitors of protein synthesis
	1:30 PM - 4:30 PM	Hands on session on Gram's staining Techniques, Ziehl-Neelsen stains acid fast staining white blood cells on a gram stain.
24-7-2014	8:30 AM - 10:15 AM	Antibiotic. Antimicrobial agent.
	10:30 AM - 12:30 PM	Bactericidal, Bacteriostatic
	1:30 PM - 4:30 PM	Hands on session on antibiotic sensitivity tests, Kirby-Bauer test.
25-7-2014	8:30 AM - 10:15 AM	Folic acid antimetabolites. Inhibitors of DNA gyrase
	10:30 AM - 12:30 PM	. β -lactam antibiotics, Alteration of cell membrane



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
 #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
 Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

	1:30PM - 4.30PM	Biochemical characteristic of Bacteria, quick biochemical tests
26-7-2014	8:30 AM - 10:15 AM	Host defense mechanisms: Humoral immunity Cell-mediated immunity
	10:30 AM - 12:30 PM	Innate (natural) immunity Inflammatory response Acquired Immunity
	1:30PM - 4.30PM	Hands on session Antigen and antibodies interaction n assay

The following Curriculum board members were present and syllabus and lesson plan for the certification program has been decided.

Sl No.	Faculty Name	Designation	Signature
1	Dr. Ananda S	HOD, Professor	Ananda S
2	Dr. Rohit K C	Assistant Professor	[Signature]
3	Prof. Prashanth Kumar H P	Assistant Professor	[Signature]
4	Prof. Soumya C	Assistant Professor	[Signature]
5	Prof. Shobha G	Assistant Professor	[Signature]
6	Dr. Hemavathi	Guest Speaker	[Signature]

Principal
 Sapthagiri College of Engineering
 Chikkasandra, Hesaraghatta Road
 Bangalore-560057

Ananda S
 Head of the Department
 Dept. of Bio-Technology
 Sapthagiri College of Engineering
 No. 57/1, Chikkasandra
 Hesaraghatta Main Road
 Bangalore - 57



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-23372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Date: 10/07/2014

NOTICE

As a part of programming skill development Department of Information Science and Engineering is conducting one week Certification Course on **"Techniques in Clinical Microbiology"** from 21st July 2014 to 26th July 2014. All the 5th Sem BT students must attend the course compulsorily.


Head of the Department
Dept of Bio-Technology
Sapthagiri College of Engineering
No. 14/5, Chikkasandra
Hesaraghatta Main Road
Bangalore - 560057
BT department


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Certification Program on "Techniques in Clinical Microbiology"

Academic Year 2014-15

Students Enrollment

Sl.No.	USN	Student Name
1	ISG12BT001	ABHISHEK
2	ISG12BT002	AISHWARYA VIJAYAKUMAR
3	ISG12BT003	AMITHA C V
4	ISG12BT005	ANITHA V
5	ISG12BT006	BHOOMIKA S KUMAR
6	ISG12BT007	CHARU TRIPATHI
7	ISG12BT008	DEESHA PADMANABAN
8	ISG12BT009	DIVYA K H
9	ISG12BT010	HONEY SHARMA
10	ISG12BT011	JANNATH NANDA
11	ISG12BT012	MEGHANA RAO
12	ISG12BT013	MOHAMMED ATHIQ M
13	ISG12BT014	NANDITHA R
14	ISG12BT015	NEETU RAWAL
15	ISG12BT016	NETHRAVATHI M
16	ISG12BT018	POOJA V SUVARNA
17	ISG12BT019	R GAUTHAMI
18	ISG12BT020	RAJEEV ROSHAN B
19	ISG12BT021	RESHMA B V
20	ISG12BT023	SHRUTHI G S
21	ISG12BT024	SUBHADRA
22	ISG12BT025	SUSHMITHA M B
23	ISG12BT026	SUSHMITHA S
24	ISG12BT027	SWATHI B M
25	ISG12BT028	USHA RANI S D
26	ISG12BT029	VAISHALY A G
27	ISG12BT030	VINITHA N
28	ISG09BT050	PRATEEK N
29	ISG10BT008	BHAVANA R CHAWAN
30	ISG11BT005	CHERUKURI LAXMI REVATHI SNEHA
31	ISG11BT007	DEEPTHI S KENI
32	ISG11BT015	POORNIMA J B
33	ISG11BT017	RANJANA S
34	ISG11BT024	SWATHI PATHAK

COORDINATOR

HOD

Head of the Department
Dept. of Bio - Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 57

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560 057

Certification Course on "Techniques in Clinical Microbiology"

Attendance

Sl No.	USN	Student Name	21/7/14		22/7/14		23/7/14		24/7/14		25/7/14		26/7/14	
			MS	AS	MS	AS	MS	AS	MS	AS	MS	AS	MS	AS
1	ISG12BT001	ABHISHEK	1	2	3	4	5	6	7	8	9	10	11	12
2	ISG12BT002	AISHWARYA VIJAYAKUMAR	1	2	3	4	5	6	7	8	9	10	11	12
3	ISG12BT003	AMITHA C V	1	2	3	4	5	6	7	8	9	10	11	12
4	ISG12BT005	ANITHA V	1	2	3	4	5	6	7	8	9	10	11	12
5	ISG12BT006	BHOCMIKA S KUMAR	1	2	3	4	5	6	7	8	9	10	11	12
6	ISG12BT007	CHARU TRIPATHI	1	2	3	4	5	6	7	8	9	10	11	12
7	ISG12BT008	DEESHA PADMANABAN	1	2	3	4	5	6	7	8	9	10	11	12
8	ISG12BT009	DIVYA K H	1	2	3	4	5	6	7	8	9	10	11	12
9	ISG12BT010	HONEY SHARMA	1	2	3	4	5	6	7	8	9	10	11	12
10	ISG12BT011	JANNATH NANDA	1	2	3	4	5	6	7	8	9	10	11	12
11	ISG12BT012	MEGHANA RAO	1	2	3	4	5	6	7	8	9	10	11	12
12	ISG12BT013	MOHAMMED ATHIQ M	1	2	3	4	5	6	7	8	9	10	11	12
13	ISG12BT014	NANITHA R	1	2	3	4	5	6	7	8	9	10	11	12
14	ISG12BT015	NEETU RAWAL	1	2	3	4	5	6	7	8	9	10	11	12
15	ISG12BT016	NETHAVATHI M	1	2	3	4	5	6	7	8	9	10	11	12
16	ISG12BT018	POOJA V SUVARNA	1	2	3	4	5	6	7	8	9	10	11	12
17	ISG12BT019	R GAUTHAMI	1	2	3	4	5	6	7	8	9	10	11	12
18	ISG12BT020	RAJEEV ROSHAN B	1	2	3	4	4	5	6	7	8	9	11	12
19	ISG12BT021	RESHMA B V	1	2	3	4	5	6	7	8	9	10	11	12
20	ISG12BT023	SHRUTHI G S	1	2	3	4	5	6	7	8	9	10	11	12
21	ISG12BT024	SUBHADRA	1	2	3	4	5	6	7	8	9	10	11	12
22	ISG12BT025	SUSHMITHA M B	1	2	3	4	5	6	7	8	9	10	11	12
23	ISG12BT026	SUSHMITHA S	1	2	3	4	5	6	7	8	9	10	11	12
24	ISG12BT027	SWATHI B M	1	2	3	4	5	6	7	8	9	10	11	12

(Signature)
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

25	1SG12BT028	USHA RANI S D	1	2	3	4	5	6	7	8	9	10	11	12
26	1SG12BT029	VAISHALY A G	1	2	3	4	5	6	7	8	9	10	11	12
27	1SG12BT030	VINITHA N	1	2	3	4	5	6	7	8	9	10	11	12
28	1SG09BT050	PRATEEK N	1	2	3	4	5	6	7	8	8	9	11	12
29	1SG10BT008	BHAVANA CHAWAN R	1	2	3	4	5	6	7	8	9	10	11	12
30	1SG11BT005	CHERUKURI LAXMI REVATHI SNEHA	1	2	3	4	5	6	7	8	9	10	11	12
31	1SG11BT007	DEEPTHI S KENI	1	2	3	4	5	6	7	8	9	10	11	12
32	1SG11BT015	POORNIMA J B	1	2	3	4	5	6	7	8	9	10	11	12
33	1SG11BT017	RANJANA S	1	2	3	4	5	6	7	8	9	10	11	12
34	1SG11BT024	SWATHI PATHAK	1	2	3	4	5	6	7	8	9	10	11	12

Ananda S
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore-57

R
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Certification Course on "Techniques in Clinical Microbiology"

Test Time Table

Sl. No.	DATE	DAY	TIMINGS
1	26-7-2014	Saturday	4.30 pm - 5.30pm

Ananda S
Head of the Department
Dept. of Biotechnology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore - 57

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

CERTIFICATION PROGRAM ON TECHNIQUES IN CLINICAL MICROBIOLOGY

QUESTION PAPER

Duration: 1hr

Maximum marks: 25

Note: Question number 1-25 (1M each)

- 1) The bacterial culture prepared by pure culture method is
 - a) Inoculum
 - b) Suspension
 - c) Dilution
 - d) None of these
- 2) Isolation is
 - a) Purification of culture
 - b) Introduction of inoculum
 - c) Separation of a single colony
 - d) To grow microorganisms on surface
- 3) Infrared radiation is a method of sterilization by
 - a) Dry heat
 - b) Moist heat
 - c) Chemical method
 - d) Mechanical method
- 4) Best method for getting pure culture is
 - a) Streak plate
 - b) Agar slant
 - c) Both a and b
 - d) None of these
- 5) To transfer cultures from one place to another, the device used is
 - a) Slant
 - b) Needle
 - c) Inoculation loop
 - d) Autoclave


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057



Sapthagiri College of Engineering

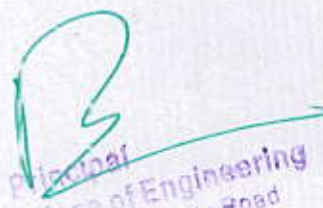
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

- 6) IMViC is the pneumonic for
 - a) Indole, Methyl Red, VP, Citrate
 - b) Indole, Methyl Red, VP, Catalase
 - c) Inducible, Methyl Red, VP, Citrate
 - d) Indole, Methyl Red, VP, Coagulase
- 7) What organism is IMViC ++--
 - a) E. Coli
 - b) PsA
 - c) Staph Aureus
 - d) Citrobactor
- 8) What organism is IMViC - + - -
 - a) E. Coli
 - b) PsA
 - c) Shigella
 - d) Citrobactor
- 9) Which is the medium used for indole test?
 - a) Nutrient broth
 - b) Nutrient Agar
 - c) Tryptone broth
 - d) None of the above
- 10) Dimethyl amino benzaldehyde is also known as
 - a) Kovac's reagent
 - b) Baritt's reagent
 - c) Phenols reagent
 - d) Acetocarmine
- 11) Voges- Proskauer test is used to
 - a) To test the presence of acids by various organisms.
 - b) To study the ability of bacteria.
 - c) To differentiate further among enteric organism
 - d) All of the above.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru - 560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

- 12) The indication of positive in citrate test results in color change of
- Green to blue
 - Yellow to red
 - Yellow to cherry colored red
 - Colorless
- 13) Indole is a
- Nitrogen containing compound.
 - Sulphur containing compound
 - Both a and b
 - None of the above
- 14) Grams staining was discovered by
- Dr Hans Christian Gram
 - Kirby bauer
 - Robert Koch
 - Alexander Fleming
- 15) Puntiform means
- Colonies which are very small but visible to naked eye greater than 1mm diameter.
 - Colonies are perfectly round.
 - Colonies are branched.
 - Colonies have no definite shape.
- 16) Entire means
- Colonies with wavy margin.
 - Colonies with smooth margin.
 - Colonies with lobes.
 - Rings with folding.
- 17) An example for simple stain is
- Crystal violet.
 - Saffranin.
 - Picric acid.
 - Acid fuchsin.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

- 18) Lophotrichous means
- Single flagella in tufts or clusters at one end.
 - Having many flagella in tufts or clusters at one end.
 - Possessing flagella at both end.
 - Possessing flagella all over the surface.
- 19) Fermentation broth contains-
- Nutrient broth with glucose lactose.
 - Nutrient broth with maltose and sucrose.
 - Both a and b.
 - Only a.
- 20) 1% mercuric chloride is used in staining of
- Bacteria
 - Fungi
 - Both a and b
 - None of these
- 21) Solid media consist of agar in concentration
- 1.5%-2%
 - 0%
 - 10%
 - Both a and b
- 22) The bacterial endospore consist of
- Di picolinic acid(DPA)
 - Peptidoglycan
 - Both a and b
 - None of the above
- 23) Thickness of peptidoglycan layer of gram positive bacteria is
- 20-80nm
 - 7-8nm
 - 80-100nm
 - None of the above


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

- 24) Crystal violet is a
- Basic dye
 - Acidic dye
 - Neutral dye
 - Both a and b
- 25) Pour plate method was first demonstrated by
- Louis Pasteur
 - Robert Koch
 - Edward Jenner
 - None of the above

Approved by Academic Committee members and Guest speaker

Sl No.	Faculty Name	Designation	Signature
1	Dr. Ananda S	HOD, Professor	Ananda S
2	Dr. Rohit K C	Assistant Professor	Rohit K C
3	Prof. Prashanth Kumar H P	Assistant Professor	Prashanth Kumar H P
4	Prof. Soumya C	Assistant Professor	Soumya C
5	Prof. Shobha G	Assistant Professor	Shobha G
6	Dr. Hemavathi	Guest speaker	Hemavathi

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru - 560057

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Certification Course on “Techniques in Clinical Microbiology”

Solutions

Duration: 1hr

Maximum marks: 25

Questions	Answer
1.	C
2.	D
3.	E
4.	B
5.	A
6.	A
7.	C
8.	C
9.	A
10.	C
11.	A
12.	A
13.	A
14.	A
15.	A
16.	B

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru- 560 057

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

18.	B
19.	C
20.	B
21.	A
22.	A
23.	A
24.	A
25.	B

Approved by Academic Committee members and Guest speaker:

Sl No.	Faculty Name	Designation	Signature
1	Dr. Ananda S	HOD, Professor	Ananda S
2	Dr. Rohit K C	Assistant Professor	Rohit K C
3	Prof. Prashanth Kumar H P	Assistant Professor	Prashanth Kumar H P
4	Prof. Soumya C	Assistant Professor	Soumya C
5	Prof. Shobha G	Assistant Professor	Shobha G
6	Dr. Hemavathi	Guest speaker	Hemavathi





Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

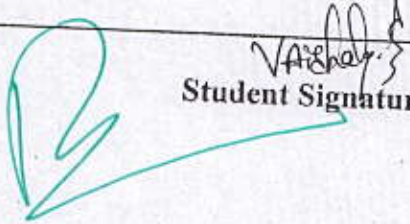
Department of Biotechnology

Certification Course on "Techniques in Clinical Microbiology"

Participant Feedback

1. How was the overall organization of the Certification Course?
a) Poor b) Satisfactory c) Good d) Excellent
2. How appropriate were the facilities provided?
a) Poor b) Satisfactory c) Good d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good d) Excellent
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory c) Good d) Excellent
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended?
a) Poor b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent
8. Any Suggestions:

Student Name: VAISHALI.A.G.

Student Signature: 



Department of Biotechnology

Participant Feedback

Student Name: P. Gace

Principal
Sapthagiri College of Engineering
Chikkasandra, Hosurghatta Road
Bangalore-560 057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax 080-28372797

Department of Biotechnology

Certification Course on "Techniques in Clinical Microbiology"

Participant Feedback

1. How was the overall organization of the Certification Course?
a) Poor b) Satisfactory c) ~~Good~~ d) Excellent
2. How appropriate were the facilities provided?
a) Poor b) Satisfactory c) ~~Good~~ d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
6. How do you rate the Certification Course compared to other workshops that you have attended?
a) Poor b) Satisfactory c) ~~Good~~ d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) ~~Excellent~~
8. Any Suggestions:

Student Name: Chaitipathi

Student Signature: 


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Certification Course on "Techniques in Clinical Microbiology"

Participant Feedback

1. How was the overall organization of the Certification Course?
a) Poor b) Satisfactory c) Good d) Excellent
2. How appropriate were the facilities provided?
a) Poor b) Satisfactory c) Good d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good d) Excellent
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory c) Good d) Excellent
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended?
a) Poor b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good d) Excellent
8. Any Suggestions:

Student Name: Usha Rani, SD

Usha Rani, SD
Student Signature:

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560057



Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

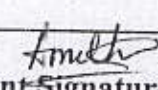
Department of Biotechnology

Certification Course on "Techniques in Clinical Microbiology"

Participant Feedback

1. How was the overall organization of the Certification Course?
a) Poor b) Satisfactory c) Good ☒ d) Excellent
2. How appropriate were the facilities provided?
a) Poor b) Satisfactory c) ☒ Good d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters
a) Poor b) Satisfactory c) Good ☒ d) Excellent
4. Effectiveness of the Hands-on Sessions
a) Poor b) Satisfactory c) Good ☒ d) Excellent
5. Topic and contents of the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended?
a) Poor b) Satisfactory c) ☒ Good d) Excellent
7. Generally how was your overall experience during the Certification Course
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

Student Name: AMITHA CX

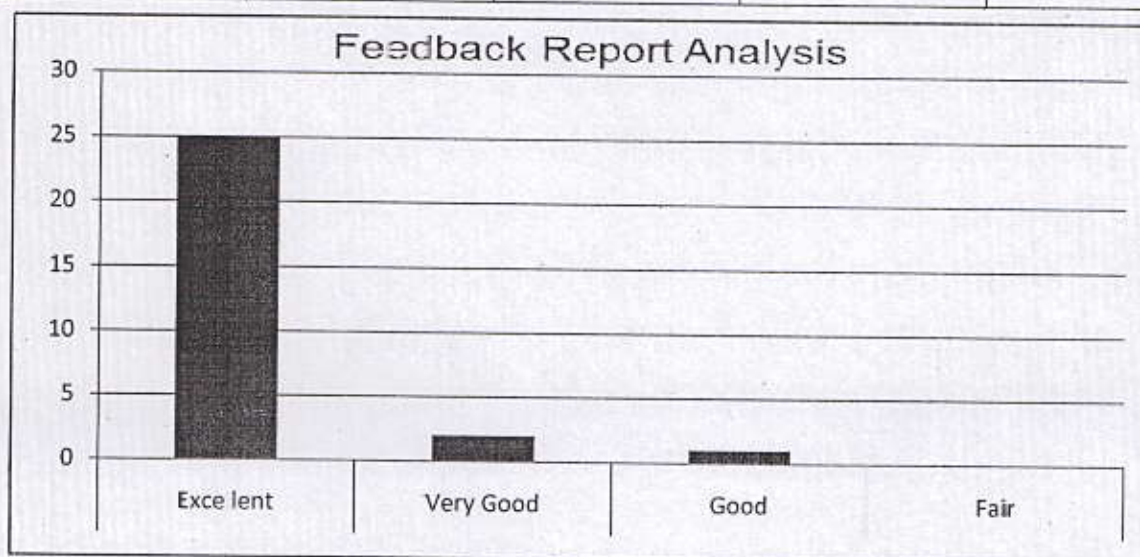
Student Signature: 


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

FEEDBACK ANALYSIS

Certification Program: "Techniques in Clinical Microbiology"

No. of students	Student Feedback			
	Excellent	Very Good	Good	Fair
28	25	2	1	0



Action Report:

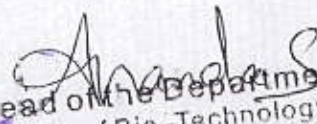
88 % of students were completely happy with the certification program and 7 % of students felt it was a good program and remaining 3 % students were satisfied with the program.

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.


Program Coordinator


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057


Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore-57



SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE OF PARTICIPATION



SIMS & RC

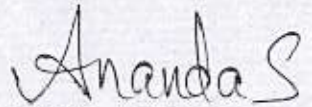
Sapthagiri Institute of Medical Science & Research Center

This is to certify that

MR./MS.ANITHA V.....

Has Successfully completed Certification course on "Techniques in Clinical Microbiology" conducted by Department of Microbiology, SIMS & RC, Bengaluru at the Department of Biotechnology, Sapthagiri College of Engineering, Bengaluru-57 from 21st July 2014 to 26th July 2014.


CO-ORDINATOR


HOD, DEPT OF BT


**HEAD, DEPT OF MICROBIOLOGY
SIMS & RC**


PRINCIPAL

Sapthagiri College of Engineering
Chikkasandra, Hosanghally
Bangalore-560051



SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE OF PARTICIPATION



SIMSRC

Sapthagiri Institute of Medical Science & Research Center

This is to certify that

MR./MS. *SWATHI. B.M*

Has Successfully completed Certification course on "Techniques in Clinical Microbiology" conducted by Department of Microbiology, SIMS & RC, Bengaluru at the Department of Biotechnology, Sapthagiri College of Engineering, Bengaluru-57 from 21st July 2014 to 26th July 2014.

[Signature]
Chief

CO-ORDINATOR

[Signature]
HOD, DEPT OF BT

[Signature]
HEAD, DEPT OF MICROBIOLOGY
SIMS & RC

[Signature]
PRINCIPAL

Sapthagiri College of Engineering
Chikkesanur, Bengaluru-560057

SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57



DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE OF PARTICIPATION



SIMSRC

Sapthagiri Institute of Medical Science & Research Center

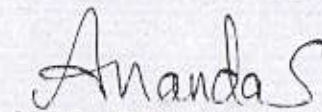
This is to certify that


MR./MS. RESHMA B.V.

Has Successfully completed Certification course on "Techniques in Clinical Microbiology" conducted by Department of Microbiology, SIMS & RC, Bengaluru at the Department of Biotechnology, Sapthagiri College of Engineering, Bengaluru-57 from 21st July 2014 to 26th July 2014.


Chief

CO-ORDINATOR


HOD, DEPT OF BT


HEAD, DEPT OF MICROBIOLOGY
SIMS & RC


PRINCIPAL

Sapthagiri College of Engineering
Chikkasandra Hosur Road
Bengaluru-560057

SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57



DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE OF PARTICIPATION



SIMSRC
Sapthagiri Institute of Medical Science & Research Center

This is to certify that

MR./MS.

Has Successfully completed Certification course on “Techniques in Clinical Microbiology” conducted by Department of Microbiology, SIMS & RC, Bengaluru at the Department of Biotechnology, Sapthagiri College of Engineering, Bengaluru-57 from 21st July 2014 to 26th July 2014.

**Chief
CO-ORDINATOR**

HOD, DEPT OF BT

**HEAD, DEPT OF MICROBIOLOGY
SIMS & RC**

PRINCIPAL

Sapthagiri College of Engineering
Chikkasandra, Hosuraghatta Road
Bangalore-560 057

Certificate Course-Techniques in Clinical Microbiology

Post Event Report

Department of BT conducted Certificate Course on Techniques in Clinical microbiology.

Objective of the Course: The one week course made the students to be familiar with the major concepts in clinical microbiology which is a main platform for their career. Certificate Course became the vital step to improve the knowledge of students.

Resource Person: Dr. Hemavathi, HOD, Department of microbiology, Sapthagiri institute of medical sciences & research center, Bangalore - 560057

Duration of the course: One week from 21st July 2014 to 26th July 2014



Guest speakers delivering a lecture on clinical microbiology

Student participants in Certification program

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

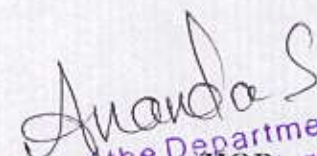
Phone: 080-28372800/1/2 www.sapthagiri.edu.in Fax: 080-28372797

Department of Biotechnology

Dates	Report
21-7-2014	Speaker delivered a talk on Introduction to clinical microbiology, Microscopy in clinical microbiology, dark field microscopy in clinical microbiology. Use of fluorescent microscopy, Hands on session on media preparation-sheep blood agar, chocolate agar, maccnkey thioglycollate, HE agar.
22-7-2014	Speakers delivered a talk on Infection, Infectious disease, True pathogen, Opportunistic pathogen endemic and epidemic, Disease prevalence and incidence. Hands on session on isolation and identification of Bacteria and Fungi
23-7-2014	Speakers delivered a talk Endotoxins and exotoxins, mode of activity for major antibiotic classes, Inhibitors of protein synthesis, Hands on session on Gram's staining Techniques, Ziehl-Neelsen stains acid fast staining, white blood cells on a gram stain
24-7-2014	Speakers delivered a talk on Antibiotic, Antimicrobial agent, Bactericidal, Bacteriostatic, Hands on session on antibiotic sensitivity tests, Kirby-Bauer test.
25-7-2014	Speakers delivered a talk on Folic acid antimetabolites. Inhibitors of DNA gyrase, β -lactam antibiotics, Alteration of cell membrane, Biochemical characteristic of Bacteria, quick biochemical tests.
26-7-2014	Speakers delivered a talk on Host defense mechanisms: Humoral immunity Cell-mediated immunity, Innate (natural) immunity Inflammatory response Acquired Immunity, Hands on session Antigen and antibodies interaction n assay

Conclusion: A certificate is earned after taking a series of courses in a particular subject area. Students pursue certificates in order to get ahead in the professional field of their interest. Faculty members were also equally benefited with the course. This program helped the student to discover important area of microbial medical research.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
Bangalore-560057


Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore-57