



19. Activities of the Department – Teacher wise

Activity 1

<p>Quiz on Diabetes under & Publishing Bulletins on Diabetes, obesity Nutri Club</p> 	
<p>Date</p>	<p>25th Nov. 2015; 2 pm to 4 pm</p>
<p>Participants</p>	<p>Students of Biochemistry and Home Science</p>
<p>Description</p>	<p>Quiz on Diabetes was organized by <i>Nutri Club</i> (Dept. of Biochemistry and Dept. of Home Science). Participant Students of Biochemistry and Home Science were made into four teams (each team having five students) and the rest acted as audience.</p> <p>Following the quiz rules several questions ranging from basics to in depth were asked. All the participants answered eagerly and the audience enjoyed the session and encouraged the participants well.</p>

Activity 2

<p>Nutrients value in Diet- World Food Day</p> 		
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Date	16 th Oct. 2015 ; 2 pm to 4 pm
Participants	Students of Home Science
Description	A nutrient value of Diet was organized by <i>Nutri Club</i> (Dept. of Biochemistry and Dept. of Home Science). Participant Students of Home Science were made into teams and the rest (Students of Biochemistry and Home Science) acted as audience. The students of Home Science gave the importance of various Biomolecules in diet for the normal metabolic activities in a healthy person and also gave the affects lacking those biomolecules in diet. The audience enjoyed the session and encouraged the participants well.

Activity 3

Field trip	
	Visit to Biotechnology Research lab - Vignan University
Date	22 nd Feb-2016
Participants	B.Sc.Biochemistry students
Resource Persons	Faculty & Scholars of Dept. of Biotech, Vignan University
Description	Dept. of Biochemistry has organized a field trip to Dept. of Biotechnology, Vignan



University, Vadlamudi, Guntur, which was planned on 22nd Feb 2016.

The students along with the faculty members reached the venue by 11 AM. The HOD of Dept. of Biotechnology, Prof. Dr. S. Krupanandam, first interacted with the staff and the students. Later they divided the students into three batches, so that all students can interact in the labs.


The labs we visited are – Biochemistry lab, Microbiology lab, Animal Biotech lab, Plant tissue culture lab, Molecular biology lab, Centre of excellence lab, Bioprocess lab, Fermentation labs & Bioinformatics lab. These 8 lab visits took almost the entire day.

The students really enjoyed and motivated. They learnt many things like organization of the lab, maintaining sterilized conditions in the lab, equipment required etc. they also allotted their project students & Research scholars to explain about the work & equipment in the respective laboratories. It is perhaps a very good exposure to students of Biochemistry to the best of my knowledge.

Activity 4

<p>Current Science</p> 	
	Visit to Science Express
Date	18 th Feb. 2016
Participants	II B.Sc Biochemistry students
Description	Government of India is exhibiting various thoughts that has

	<p>to be taken by the society regarding environment, education etc., in a special train named Science Express. To inculcate those thoughts and ideas in students department has taken initiative to visit the exhibit.</p> <p>Students have enjoyed those posters, models and their views and thoughts.</p> <p>Going to such exhibitions will encourage students to think more about science, research and future generations.</p>
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<p>Activity Exhibition on Millets</p>	
<p>Date</p>	<p>12-3-2016</p>
<p>Participants</p>	<p>Students of Nutri Club (Students of Dept. of Home Science & Biochemistry)</p>
<p>Description :</p>	<p>Millet fest was organized by the Dept of Home Science, Acharya NG Ranga Agricultural University from 12th to 14th March in Mahima Gardens, Guntur. Agricultural Ministry & Ministers, district collector visited this fest.</p> <p>Students of Nutri Club i.e Students of Home Science & Biochemistry along with their faculty members visited this exhibition. Many Stalls were arranged by KVKs, Farmers, and by various Departments, where they exhibited various kinds of millets like Sorghum, finger millet, Barnyard, pearl millet, proso millet, Foxtail millet, Little millet, Kodo millet etc.</p> <p>Many recipes made by using these millets were also exhibited. Students could able to get knowledge and importance of these millets as food grains and could able to know the nutritional</p>

	importance, because many are rich sources of fibre, calcium, zinc, omega 3 fatty acids etc.
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Name of the Department	Department of Home Science & Bio – chemistry
Date	12-3-2016
Activity	Extension Programme on Nutrition and Health Education at Community Level at Seetharamapuram, Ponnurmandal
Resource Person	Dr. K. Anitha, Lecturer in Home Science
Faculty involved	Nutrition club – Dept. of Home science & Bio – chemistry.
Students participated	All the Home science and Bio chemistry students.
Description	As a part of the curriculum Nutrition and Health education programme was conducted to the villagers of Seetharamapuram of Ponnurmandal. In this programme skit on contribution of fruits to the human nutrition. Reading material in the form of pamphlets on common nutritional problems like iron, vitamin-A, iodine, fluorosis and kwashiorkor was prepared.

fluorosis and kwashiorkor was prepared.



Activities of the Department – Teacher wise – B. Dorka

Free dental checkup to students & staff by Dr. Narayana Rao, Associate Prof, & final year students of Cibar Dental College, Takkellapadu, Guntur







	Visit to Science Express
Date	21 st Sep. 2015 ; 10 am to 5 pm
Participants	Final year Students of Cibar Dental College
Description	A Mega Dental Camp was organized collectively by NSS, Medical Club and Dept. of Biochemistry in collaboration with the Lions Club, Guntur.

In the inaugural session, around 200 students attended an awareness program, which was held from 10 to 12 noon in the gallery. All dignitaries have spoken on dental health. Dr. Narayana Rao, Associate Prof, Cibar Dental College, has enlightened the students technically about dos and donts of oral hygiene and delivered the topic using visual aids.

All the students heard the topic carefully and interestingly.

After the inaugural & awareness program, the students were offered free dental check up by the staff of Cibar Dental College. Around 700 to 800 students were benefitted by this check-up. Medicines were also given to the needed students free of cost.

Overall, the day was very useful to the students to know and improve their oral health.

<p>Awareness and Orientation Program by Dr. Varalakshmi</p> 	
Date	29 th Sep. 2015
Participants	B.Sc Biochemistry, Mathematics and Home Science students
Description	Dr. Varalakshmi, who worked as a research guide for scholars persuing Ph.D, made the session very valuable
<p>to students who wish to do student study projects and research.</p> <p>She addressed the students, which was entirely interactive in nature. She first gave the advantages of team work and asked the students to be grouped according to their topic. She told them the steps in study project like literature survey, what to focuss and importance of coordination, sharing among the team-mates, working together, solving together and she created an enthusiastic atmosphere and motivated students by providing technical information required. Students really encouraged by this program and came forward to take up their tasks.</p>	

Samishti to homescience students	
Date	Wednesday the 7 th Oct. 2015 ; 12 noon to 1 pm
Faculty	Mrs. B. Dorka Lec. In Biochemistry
Participants	B.Sc Home Science students
Description	Under “Samishti”, Mrs. Dorka, Lecturer in Biochemistry has delivered a lecture on “Electron Transport Chain and Oxidative Phosphorylation” to the students of Home Science of our College.
She delivered the lecture interestingly according to the need of the students with the help of	

diagrams and in an interactive manner.

The students enjoyed listening to and gave the feedback with relevant answers to the question posed by the lecturer.

Awareness on Diabetes by Dr. T. Seva Kumar, Founder & Chairman of Service Health Organization



Date	13 th Nov. 2015 ; 10 am to 1 pm
Chief Guest	Dr. T. Seva Kumar Founder & Chairman SHO Group of services Guntur
Resource Person	Dr. T. Seva Kumar
Participants	B.Sc Biochemistry, Microbiology, Biotechnology and BZC students
Description	World Diabetes Day was organized collectively by the Medical Club, Dept of Biochemistry and Dept. of Zoology of our college on Friday 13 th Nov 2015 as 14 th November is second Saturday. Dr. T. Seva Kumar, Founder & Chairman of Service Health Organization was invited as the chief guest. He addressed and created awareness among the students about diabetes. He gave valuable information on how we get diabetes, types of diabetes, symptoms, diagnosis, medicines and other therapies in a way that can be easily understood by the students. He delivered the topic in an interactive manner and also cleared many doubts regarding the tests, diet, therapies. This program was very beneficial to the students to understand the life style disorders like diabetes and to apply their knowledge in giving suggestions to diabetic patients at home and their neighborhood.

Samishti to I BSc Biotechnology students	
Date	21 st Aug. 2015

Participants	I B.Sc. Biotechnology students
Description	Under “Samishti”, Mrs. B. Dorka, Lecturer in Biochemistry has delivered a lecture on “Carbohydrates” to the students of first year Biotechnology of our College.
<p>She delivered the lecture interestingly according to the need of the students with the help of structures and in an interactive manner.</p> <p>The students enjoyed listening to and gave the feedback with relevant answers to the question posed by the lecturer.</p>	



Date	20 th Feb. 2016 ; 10 am to 5 pm
Chief Guest	Dr. T. Seva Kumar Chairman

	Indian Red Cross Society Guntur
Resource Person	Dr. T. Seva Kumar
Participants	B.A, B.Com, B.Sc students and Staff
Description	First Aid has been opted as general elective by Departments of Biochemistry and Home Science. As a part of curriculum One day workshop on FIRST AID has been organized. Students those who opted for first aid and interested staff attended the workshop. All the participants were very enthusiastically involved in learning the skills from the recourse persons and gained practical knowledge.

Activities of the Department – Teacher wise – D. Vijaya Sree

Activity 1

Group Discussion	
Date	12 th Oct. 2015 ; 3 pm to 5 pm
Participants	III BSc Biochemistry Students
Description	Group Discussion was conducted among the students of III B4 on World Arthritis Day ie., on 12 th Oct. Students were made into two groups. In this students discussed with their classmates regarding the types, causes and symptoms of Arthritis and have drawn conclusive remarks.
Outcome :	The discussion encouraged their attentiveness in expressing their views and to search more literature for a certain topic.

Activity 2


Samishti to I BSc Biotechnology students	
Topic of the Lecture	Colorimetric estimation of Proteins by Biuret method
Date	28 th Aug. 2015
Batch of Students	I B.Sc Biotechnology students
Total no of Students	20

Departments involved	Biochemistry & Biotechnology
Synopsis of the class	Under “Samishti”, Mrs. D. Vijaya Sree, Lecturer in Biochemistry has conducted a practical on “Colorimetric estimation of Proteins by Biuret method to the students of Biotechnology students of our College. During the practical explained the importance of colorimeter and use of standard graph
References	Practical biochemistry – Plummer Practical biochemistry – Jayaraman
Response of the students	Students had a feel of change of a teacher hence they pay more attention

Activity 3


Samishti to II BSc Biotechnology students	
Topic of the Lecture	Separation of Plant pigments by TLC
Date	9 th Mar. 2016
Batch of Students	IIB5 & B6
Total no of Students	20
Departments involved	Biochemistry & Biotechnology
Synopsis of the class	Under “Samishti”, Mrs. D. Vijaya Sree, Lecturer in Biochemistry has conducted a practical on “Separation of Plant pigments by TLC” to the students of Biotechnology students of our College. During the practical explained the importance of separation using TLC and applications of TLC
References	Molecular Biology – David Freifelder Molecular Biology – Watson Practical biochemistry – Plummer
Response of the students	Students responded very well while discussing about the principle and applications of TLC. They enjoyed well for separating pigments of plants using TLC.

Activity 4

Field Trip	
Place visited	Zed labs, Guntur


Date	24 th Nov. 2015
Participants	II B.Sc Biotechnology students
Objective	<ul style="list-style-type: none"> • To make the students aware of various techniques like PCR(its importance in cloning), ELISA(including scrub ELISA) • To give live demonstration of microbiological techniques. • To give them experiential learning of culturing of Microorganisms and Histopathology lab(how specimens were prepared)
Description	<p>Miss Lakshmi whose working in Zed labs, Guntur has interacted with the students and answered several questions raised by students relating to various techniques like PCR(its importance in cloning), ELISA(including scrub ELISA) and microbiological techniques.</p> <p>Miss Jyosthna of Biochemistry department shown several Biochemical tests like sugar test , jaundice test etc.</p> <p>Miss Jyothi of Microbiology department showed culturing of Microorganisms and Histopathology lab(how specimens were prepared)</p>
Out comes:	<ul style="list-style-type: none"> • students got aware of various techniques like PCR(its importance in cloning), ELISA(including scrub ELISA) • Students visualized the live demonstration of microbiological techniques. • Students got experiential learning of culturing of Microorganisms and Histopathology lab(how specimens were prepared)

Activity 5

HIV Structure Model	
Date	1 st Dec. 2015 ; 10 am to 1 pm
Participants	B.Sc Biotechnology students
Objectives	<ul style="list-style-type: none"> • To make the students aware of, Replication of HIV virus, stages of HIV Virus and AIDS. • To make the other students and staff to know the updates on AIDS research
Description	<p>Students have prepared models and charts on HIV Virus structure, Replication of HIV virus, stages of HIV Virus and AIDS.</p> <p>Students used different types of materials & methods. All the participants enjoyed the work.</p> <p>First and second prizes were given to the best ones by the Principal.</p>

Outcomes	<ul style="list-style-type: none"> • Students got aware of , Replication of HIV virus, stages of HIV Virus and AIDS. • Students made other students and staff to know the updates on AIDS research
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Activity 6

Exhibition of models on HIV	
Date :	2 nd Dec. 2015 ; 10 am to 1 pm
Participants :	B.Sc Biotechnology students
Description :	<p>Models prepared by students have been exhibited in the Biotech Lab based on the suggestion from Principal. For this good response has come from other departments Lecturers and students.</p> <p>All the students explained well about their model and all invites were satisfied with their explanation</p>

Activity 7

Exhibition	
Date	19 th Feb. 2016
Participants	I & II B.Sc Biotechnology students

Objectives	<ul style="list-style-type: none"> • To give them basics of science • To make the students aware of environment and safety • To encourage the students towards research
Description	<p>Government of India is exhibiting various thoughts that has to be taken by the society regarding environment, education etc., in a special train named Science Express. To inculcate those thoughts and ideas in students department has taken initiative to visit the exhibit.</p> <p>Students have enjoyed those posters, models and their views and thoughts.</p> <p>Going to such exhibitions will encourage students to think more about science, research and future generations.</p>
Outcomes	<ul style="list-style-type: none"> • Students got aware of basics of science • Students got aware of environment and safety • Students got encouraged towards research