



# ST FRANCIS DE SALES COLLEGE

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**A FRANSALIAN INSTITUTE OF HIGHER LEARNING**

## REPORT ON ROLE OF DIFFERENTIAL EQUATION IN INNOVATIVE RESEARCH

Date 12-13 January 2021

VENUE/Online Platforms: Google Meet

TIME : 10:00am to 11:30 am

SEMINAR ON 2021 was a platform for the students and faculties of the department to refresh themselves with the trends and applications of the dynamic world of science through persons who have proved for their expertise in their respective field of study. As part of the online guest lecture series, Infinity 2021 in collaboration with Research & IP Cell, the department conducted three guest lectures.

An online session on "Role of differential equations in innovative Research" was organised on 12-01-2021 from 10.00am to 11.30 am. The speaker for this session, Mr Naveen Kumar, Head, Department of Mathematics, RJS College, Koramangala, Bangalore is an established teacher and a Researcher, Mr Naveen is a scholar in Mathematics and a graduate in education. Mr Naveen handled the session and explained differential equations from basis to high end application in a way that can be imbibed by under graduate students.

Mr . Naveen Kumar made the session very interactive by involving the students in answering some questions and by encouraging the students to ask questions. The session was attended by I and III semester BSc (MEC & PCM) students.

Ms . Hashmi, Assistant Professor, Department of Science welcomed Mr . Naveen Kumar in the beginning of the session, Later after the session, Dr Nebula Murukesh, Coordinator, Department of Science made the concluding remarks and expressed gratitude.

On 13 January 2021, the department arranged to two online lectures. The first lecture was by Ms . Nalina Murthy, ICMR- Senior Research Fellow, CSIR- CFTRI, Mysore at 11:00 am. Ms . Nalina gave the talk on Advances in Biochemical Research, Ms . Nalina is M Tech holder in nanoscience and technology (2015) from kuvempu university . Shimoga currently



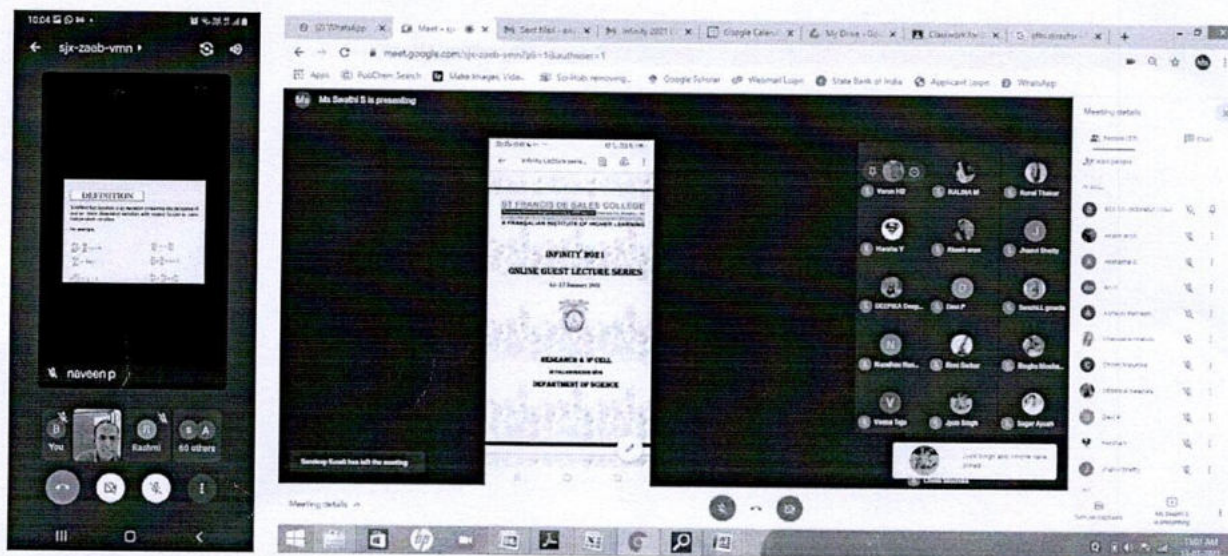
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www.sfscollege.in





Nanomedicines and drug delivery, Nanotechnology in food processing and nutrition. A active member of the society of bacteriophage research has received DST Nano mission Fellowship at Kuvempu University.

Ms. Swathi S. Assistant Professor, Department of Science welcomed and thanked the resource person. Dr. Ambika Nautiyal expressed the words of felicitation. The session was attended by I and III semester BSc (PCM) students.



**Screen shots during the lectures by Mr. Naveen Kumar and Ms. Nalina Murthy**

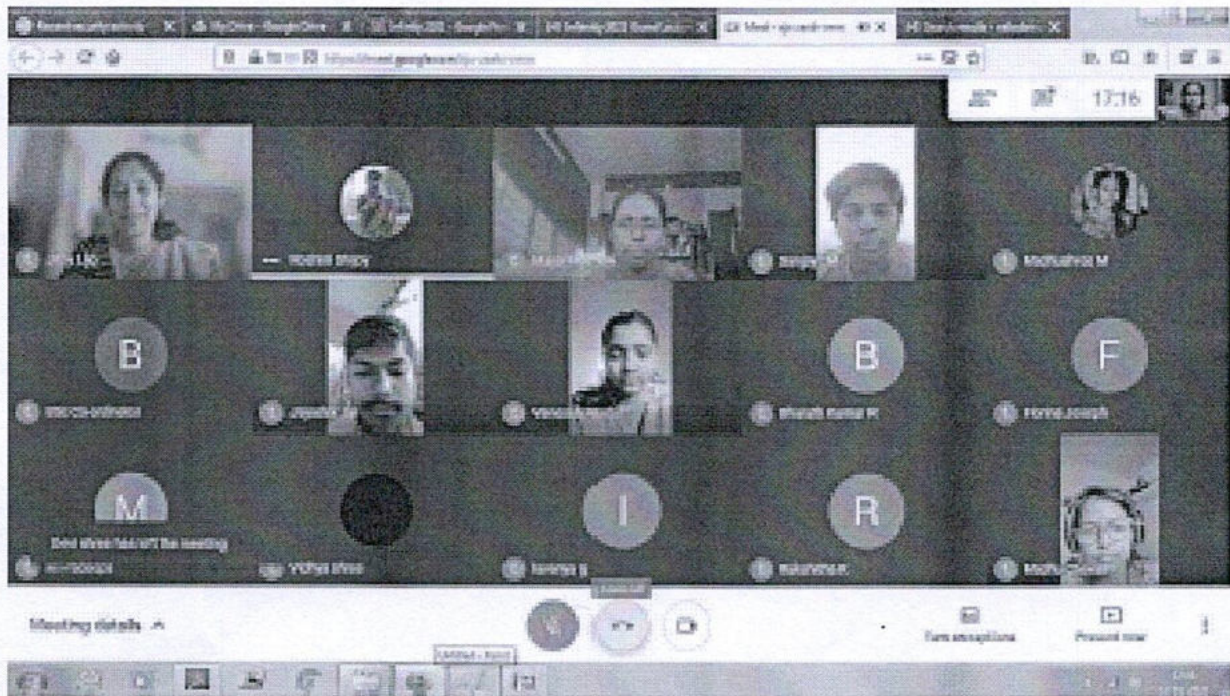
The second lecture on 13<sup>th</sup> January 2021 was handled by Ms. Jithy Lijo, Assistant Professor in the Computer Science Department of Christ Academy Institute of Advanced Studies, Electronic City. Prof. Jithy spoke on “Basic Research Applications of Computer Science” with a special emphasis on Java Programming. Ms. Jithy is a dynamic teacher and researcher who is always engaged in activities to promote active learning among students. An Mphil holder with many publications has presented many papers in national and international conferences and seminars. Ms. Jithy is currently pursuing PhD in Computer Science from Christ University. The research areas of interest are Image processing, IOT, Machine Learning.

The session was conducted at 3.30 PM. Ms. Roshini Anne Koshy welcomed Ms. Jithy for the session. The session proved to be a hands on session on the applications of Java. A very interactive session in which students were motivated and experienced each and every details of Java





programming. Desalite Florina Joseph, BSc (CJP) compared the session and expressed the vote of thanks.



A screen shot of the session handled by Ms. Jithy Lijo

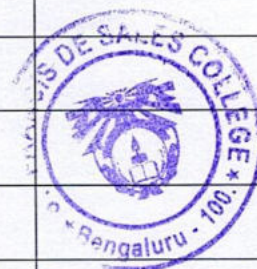
*Rayle*

**PRINCIPAL**  
**St. Francis de Sales College**  
Electronics City Post, Bangalore - 560 100.



**List of Participants for Lecture 1**  
 “Role of differential equations in innovative Research”

Sl. No.	Name of the Student	Register Number	Course, Class, Section	Remarks
1	ASHOK KUMAR B	19MEC002T	III SemBSc (MEC)	
2	CHAITHRA R	19MEC003K	III SemBSc (MEC)	
3	CHALLA KISHAN CHOWDARY	19MEC004E	III SemBSc (MEC)	
4	HARSHITHA K	19MEC005K	III SemBSc (MEC)	
5	HITHESH R	19MEC006K	III SemBSc (MEC)	
6	KALAVATHI S	19MEC007K	III SemBSc (MEC)	
7	MANOJ KUMAR G	19MEC008T	III SemBSc (MEC)	
8	NAVYA G	19MEC009K	III SemBSc (MEC)	
9	PUNITHA R	19MEC010K	III SemBSc (MEC)	
10	ROJA E	19MEC011K	III SemBSc (MEC)	
11	SANDHYA V	19MEC012K	III SemBSc (MEC)	
12	SANDROSE ALEXANDER	19MEC013M	III SemBSc (MEC)	
13	SANJAY SINGH	19MEC014H	III SemBSc (MEC)	
14	SHASHIKIRAN A	19MEC015K	III SemBSc (MEC)	
15	SONIYA V	19MEC016K	III SemBSc (MEC)	
16	SOUNDAR R	19MEC017K	III SemBSc (MEC)	
17	SRIMANIGANDAN N	19MEC018E	III SemBSc (MEC)	
18	SUJINPAUL S	19MEC019K	III SemBSc (MEC)	
19	SUMIKSHA S	19MEC020K	III SemBSc (MEC)	
20	VANDANA V	19MEC021K	III SemBSc (MEC)	
21	YOGASATHISH S	19MEC022K	III SemBSc (MEC)	
22	LIBIN S	19MEC023H	III SemBSc (MEC)	
23	RASHMI	19MEC024K	III SemBSc	





			(MEC)	
24	ARUN M	19PCM003K	III SemBSc (PCM)	
25	ASHISH ROBIN BARA	19PCM004E	III SemBSc (PCM)	
26	AUXILIYA J P	19PCM005K	III SemBSc (PCM)	
27	BHAVANA RAJU RATHOD	19PCM007H	III SemBSc (PCM)	
28	CHANDANA B S	19PCM009K	III SemBSc (PCM)	
29	DEEPTHI V	19PCM010K	III SemBSc (PCM)	
30	DEVI P	19PCM011K	III SemBSc (PCM)	
31	JHANVI S	19PCM013K	III SemBSc (PCM)	
32	JYOTHI G P	19PCM014K	III SemBSc (PCM)	
33	JYOTI SINGH	19PCM015E	III SemBSc (PCM)	
34	M DUNDAIAH	19PCM017K	III SemBSc (PCM)	
35	MALLIKARJUN K	19PCM018E	III SemBSc (PCM)	
36	MONISHA S	19PCM019K	III SemBSc (PCM)	
37	SAGAR B NALATAWADA	19PCM020K	III SemBSc (PCM)	
38	SANDEEP KURALI	19PCM021K	III SemBSc (PCM)	
39	SANTHOSHA	19PCM022K	III SemBSc (PCM)	
40	SWATHI L	19PCM024K	III SemBSc (PCM)	
41	VEENA H S	19PCM027K	III SemBSc (PCM)	
42	POOJASHREE N	19PCM029K	III SemBSc (PCM)	
43	SHALINI S SANGWAN	19PCM030K	III SemBSc (PCM)	
44	RIMI SARKAR	19PCM032E	III SemBSc (PCM)	
45	KUNAL THAKUR	19PCM034E	III SemBSc (PCM)	
46	CHAYASHREE K	19PCM036K	III SemBSc (PCM)	
48	VARUN H D	19PCM038K	III SemBSc (PCM)	
49	AKSHATHA C	20PCM001K	I Sem BSc (PCM)	





50	ANCY E S	20PCM002H	I Sem BSc (PCM)
51	ANKUSH S	20PCM003K	I Sem BSc (PCM)
52	ASHWINI R	20PCM004TA	I Sem BSc (PCM)
53	BENITTO PRAKASH A	20PCM005K	I Sem BSc (PCM)
54	DEEPIKA D	20PCM006K	I Sem BSc (PCM)
55	LIKITHA LAKSHMI N	20PCM008K	I Sem BSc (PCM)
56	NISHANTH KALYAN B	20PCM009K	I Sem BSc (PCM)
57	RAJU A	20PCM010TA	I Sem BSc (PCM)
58	ROSHNI KOLKAR	20PCM011H	I Sem BSc (PCM)
59	SHILPA K	20PCM012K	I Sem BSc (PCM)
60	YAKSHITH C	20PCM013K	I Sem BSc (PCM)
61	KANAKA T	20PCM014K	I Sem BSc (PCM)
62	S PRAVEENSHREE THANUJA	20PCM015K	I Sem BSc (PCM)
64	BRINDA JENIFFER SANTINER R	20MEC00TA	I Sem BSc (MEC)
65	DEVISHREE R V	20MEC002K	I Sem BSc (MEC)
66	HARSHA KUMAR V	20MEC003K	I Sem BSc (MEC)
67	LAVANYA G	20MEC004K	I Sem BSc (MEC)
68	MALLESH N	20MEC005TE	I Sem BSc (MEC)
69	MANIKANTA R	20MEC006K	I Sem BSc (MEC)
70	SAHIL MOLLAH	20MEC007H	I Sem BSc (MEC)
72	MADHAN P S	20MEC009K	I Sem BSc (MEC)
73	HARSHITH S	20MEC010K	I Sem BSc (MEC)
74	NANDHINI G	20MEC011TA	I Sem BSc (MEC)
75	NITHIN M	20MEC012E	I Sem BSc (MEC)





**List of Participants for Lecture 2**  
**“Advances in Biochemical Research”**

Sl. No.	Name of the Student	Register Number	Course, Class, Section	Remarks
1	ARUN M	19PCM003K	III SemBSc (PCM)	Attended Lecture 1 & 2
2	ASHISH ROBIN BARA	19PCM004E	III SemBSc (PCM)	Attended Lecture 1 & 2
3	AUXILIYA J P	19PCM005K	III SemBSc (PCM)	Attended Lecture 1 & 2
4	BHAVANA RAJU RATHOD	19PCM007H	III SemBSc (PCM)	Attended Lecture 1 & 2
5	CHANDANA B S	19PCM009K	III SemBSc (PCM)	Attended Lecture 1 & 2
6	DEEPTHI V	19PCM010K	III SemBSc (PCM)	Attended Lecture 1 & 2
7	DEVI P	19PCM011K	III SemBSc (PCM)	Attended Lecture 1 & 2
8	JHANVI S	19PCM013K	III SemBSc (PCM)	Attended Lecture 1 & 2
9	JYOTHI G P	19PCM014K	III SemBSc (PCM)	Attended Lecture 1 & 2
10	JYOTI SINGH	19PCM015E	III SemBSc (PCM)	Attended Lecture 1 & 2
11	M DUNDAIAH	19PCM017K	III SemBSc (PCM)	Attended Lecture 1 & 2
12	MALLIKARJUN K	19PCM018E	III SemBSc (PCM)	Attended Lecture 1 & 2
13	MONISHA S	19PCM019K	III SemBSc (PCM)	Attended Lecture 1 & 2
14	SAGAR B NALATAWADA	19PCM020K	III SemBSc (PCM)	Attended Lecture 1 & 2
15	SANDEEP KURALI	19PCM021K	III SemBSc (PCM)	Attended Lecture 1 & 2
16	SANTHOSHA	19PCM022K	III SemBSc (PCM)	Attended Lecture 1 & 2
17	SWATHI L	19PCM024K	III SemBSc (PCM)	Attended Lecture 1 & 2
18	VEENA H S	19PCM027K	III SemBSc (PCM)	Attended Lecture 1 & 2
19	POOJASHREE N	19PCM029K	III SemBSc (PCM)	Attended Lecture 1 & 2
20	SHALINI S SANGWAN	19PCM030K	III SemBSc (PCM)	Attended Lecture 1 & 2
21	RIMI SARKAR	19PCM032E	III SemBSc (PCM)	Attended Lecture 1 & 2
22	KUNAL THAKUR	19PCM034E	III SemBSc (PCM)	Attended Lecture 1 & 2
23	CHAYASHREE K	19PCM036K	III SemBSc (PCM)	Attended Lecture 1 & 2





24	VARUN H D	19PCM038K	III Sem BSc (PCM)	Attended Lecture 1 & 2
25	AKSHATHA C	20PCM001K	I Sem BSc (PCM)	Attended Lecture 1 & 2
26	ANCY E S	20PCM002H	I Sem BSc (PCM)	Attended Lecture 1 & 2
27	ANKUSH S	20PCM003K	I Sem BSc (PCM)	Attended Lecture 1 & 2
28	ASHWINI R	20PCM004TA	I Sem BSc (PCM)	Attended Lecture 1 & 2
29	BENITTO PRAKASH A	20PCM005K	I Sem BSc (PCM)	Attended Lecture 1 & 2
30	DEEPIKA D	20PCM006K	I Sem BSc (PCM)	Attended Lecture 1 & 2
31	LIKITHA LAKSHMI N	20PCM008K	I Sem BSc (PCM)	Attended Lecture 1 & 2
32	NISHANTH KALYAN B	20PCM009K	I Sem BSc (PCM)	Attended Lecture 1 & 2
33	RAJU A	20PCM010TA	I Sem BSc (PCM)	Attended Lecture 1 & 2
34	ROSHNI KOLKAR	20PCM011H	I Sem BSc (PCM)	Attended Lecture 1 & 2
35	SHILPA K	20PCM012K	I Sem BSc (PCM)	Attended Lecture 1 & 2
36	YAKSHITH C	20PCM013K	I Sem BSc (PCM)	Attended Lecture 1 & 2
37	KANAKA T	20PCM014K	I Sem BSc (PCM)	Attended Lecture 1 & 2
38	S PRAVEENSHREE THANUJA	20PCM015K	I Sem BSc (PCM)	Attended Lecture 1 & 2





**List of Participants for Lecture -3**  
 ““Basic Research Applications of Computer Science”

Sl. No.	Name of the Student	Register Number	Course, Class, Section	Remarks
1	AFREEN TAJ T	20CJP001H	I Sem BSc (CJP)	
2	ASISHA VERGHESE	20CJP002H	I Sem BSc (CJP)	
3	BHARATH KUMAR R	20CJP003K	I Sem BSc (CJP)	
4	CHANDHANA C	20CJP004K	I Sem BSc (CJP)	
5	D GOWTHAM	20CJP005TA	I Sem BSc (CJP)	
6	K M DEEPSHIKHA	20CJP007H	I Sem BSc (CJP)	
7	KUSUMA V	20CJP008KA	I Sem BSc (CJP)	
8	SANJAY M	20CJP011K	I Sem BSc (CJP)	
9	VANESSA GEORGE NADAR	20CJP013E	I Sem BSc (CJP)	
10	RAVI L	20CJP017TA	I Sem BSc (CJP)	
11	NAMITHA SABURAJ	20CJP018H	I Sem BSc (CJP)	
12	JAYADEV V	20CJP019K	I Sem BSc (CJP)	
13	SAJITHA FATHIMA S	20CJP020K	I Sem BSc (CJP)	
14	VINAY R	20CJP021TA	I Sem BSc (CJP)	
15	MOIN PASHA M	20CJP022 H	I Sem BSc (CJP)	
16	THEKKANATH STEFFI JOSEPH	20CJP023 E	I Sem BSc (CJP)	
17	MADHU SHREE A CHARAN	20CJP024 E	I Sem BSc (CJP)	
18	ARUN V	20CJP025TA	I Sem BSc (CJP)	
19	NOEL S	20CJP026E	I Sem BSc (CJP)	
20	ANKITHA S	20CJP027K	I Sem BSc (CJP)	
21	ABIRAMI V	19CJP002T	III Sem BSc (CJP)	
22	ARAVINTHA JINESH B S	19CJP003H	III Sem BSc (CJP)	
23	DHARUN VIJAY R	19CJP005T	III Sem BSc (CJP)	
24	FLORINA JOSEPH	19CJP006E	III Sem BSc (CJP)	
25	GURUKIRAN R	19CJP007T	III Sem BSc (CJP)	
26	JAGADISHWAR REDDY S	19CJP008K	III Sem BSc (CJP)	
27	MADHUSHREE M	19CJP011K	III Sem BSc (CJP)	
28	MATHEW ALAN X	19CJP013T	III Sem BSc (CJP)	
29	MOHAMED TUFAIL M	19CJP014T	III Sem BSc (CJP)	
30	MOHAMMED ADIL K	19CJP015H	III Sem BSc (CJP)	
31	NANDEM MOHAN CHAITHANYA	19CJP016E	III Sem BSc (CJP)	
32	NAVYA R	19CJP017K	III Sem BSc (CJP)	
33	PHILJOE JOSEPH	19CJP018M	III Sem BSc (CJP)	
34	POOJA R T	19CJP019K	III Sem BSc (CJP)	
35	SAHIL GEORGE KUNJUR	19CJP021E	III Sem BSc (CJP)	
36	SAIKISHORE L	19CJP022T	III Sem BSc (CJP)	
37	TEJA K	19CJP026K	III Sem BSc (CJP)	
38	V SAI RAM	19CJP028H	III Sem BSc (CJP)	



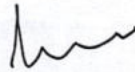
39	VIDHYASHREE A	19CJP029K	III Sem BSc (CJP)	
40	VIKAS E	19CJP030K	III Sem BSc (CJP)	
41	HARSHITHA B S	19CJP032K	III Sem BSc (CJP)	
42	JANHAVI M	19CJP033K	III Sem BSc (CJP)	
43	JASHWANTH L	19CJP035K	III Sem BSc (CJP)	
44	D BHUVANESHREE	19CJP038K	III Sem BSc (CJP)	
45	ROHIT V	19CJP040K	III Sem BSc (CJP)	
46	SHASHIDHAR D E	19CJP041K	III Sem BSc (CJP)	
47	CHAITHRA K	19CJP042K	III Sem BSc (CJP)	
48	JAYASHREE R	19CJP043K	III Sem BSc (CJP)	
49	NANDINI Y	19CJP044H	III Sem BSc (CJP)	

\*Attach the excel generated from responses for feedback form

Link to excel sheet for Feed back forms

<https://docs.google.com/spreadsheets/d/1VWz6ID-n6jq6KYnWjLHfDEbr7noogblzrGiOT4HTR1M/edit?usp=sharing>

  
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