

**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Guest Lecture on**

**“Role of IT in Watershed and Natural Resource Management -  
A Paradigm Shift”**

**30.06.2022**

**REPORT**

*Submitted to the principal*

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*[Signature]*

*To:*  
*HOD-INT*  
*Noted*  
*[Signature]*

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)  
PENNALUR, SRIPERUMBUDUR-602117**



**REPORT OF GUEST LECTURE ON ROLE OF IT IN WATERSHED AND  
NATURAL RESOURCE MANAGEMENT – A PARADIGM SHIFT**

**Date: 30.06.2022**

**Time: 12.00 PM – 01.30 PM**

**Objectives (Maximum 50 words):**

- To make the students aware of the importance of managing the natural resources
- To shed light on the role of Information Technology in Natural Resource Management.

**About the programme (Min 500 words):**

On the 30th of June 2022, a guest lecture on “Role of IT in watershed and Natural resource Management – A paradigm shift” was delivered by Dr. S. V. Murugan, Director – Agriculture, Agribusiness, Water & Natural Resources Management Specialist, National Agro Foundation - Chennai, India

The event was compered by Ms. Vidhya from I year IT Department and the prayer song was rendered by Mr. Naresh Raj from I year IT department. The welcome address was given by Dr.T.Sukumar, Associate Professor, Department of Information Technology. Dr.V.Vidhya, Professor & Head, Department of Information Technology gave a short note on the major roles of the IT department on supporting the watershed and natural resources. Introduction of the Chief Guest was given by Dr. P. Sharon Femi Assistant Professor, Department of Information Technology and soon the session began.

Dr. S.V. Murugan, started by first thanking the farmers, then the Army, and the President of our country. He gave a short insight about watershed, which is a geographical area from where the water drains into a river or lake. He informed that there are about 17 major basins in Tamil Nadu and about 61 reservoirs He warned about the major environmental problems like global warming, rise in ocean water level, soil erosion, climatic

change, loss in soil fertility that will arise to a next level. He also discussed about the impacts of soil erosion and emphasized on the importance of soil fertility in providing essential nutrients for human health in appropriate amount and free from toxic substance.

He remarked that there is a clear demarcation available for the widespread watershed in India. He then discussed about the various ways to conserve water. He then discussed about the role of IT engineers in controlling water pollution and supporting conservation and rejuvenation. He also encouraged the IT engineers to collaborate with people from all the domains for devising new strategical plans and policies for conserving and managing the water shed and other natural resources.

Finally, Dr. V. Vidhya, Professor and Head felicitated the chief guest by giving the memento to Dr.S.V. Murugan. The event was concluded by vote of thanks rendered by Dr.P.Sharon Femi followed by National Anthem.

**Benefits (Maximum 50 words):**

- Perceived knowledge about the promising scope of IT in watershed and Natural Resource Management.
- Take up projects / applications for storing information that are not properly recorded regarding the water availability.

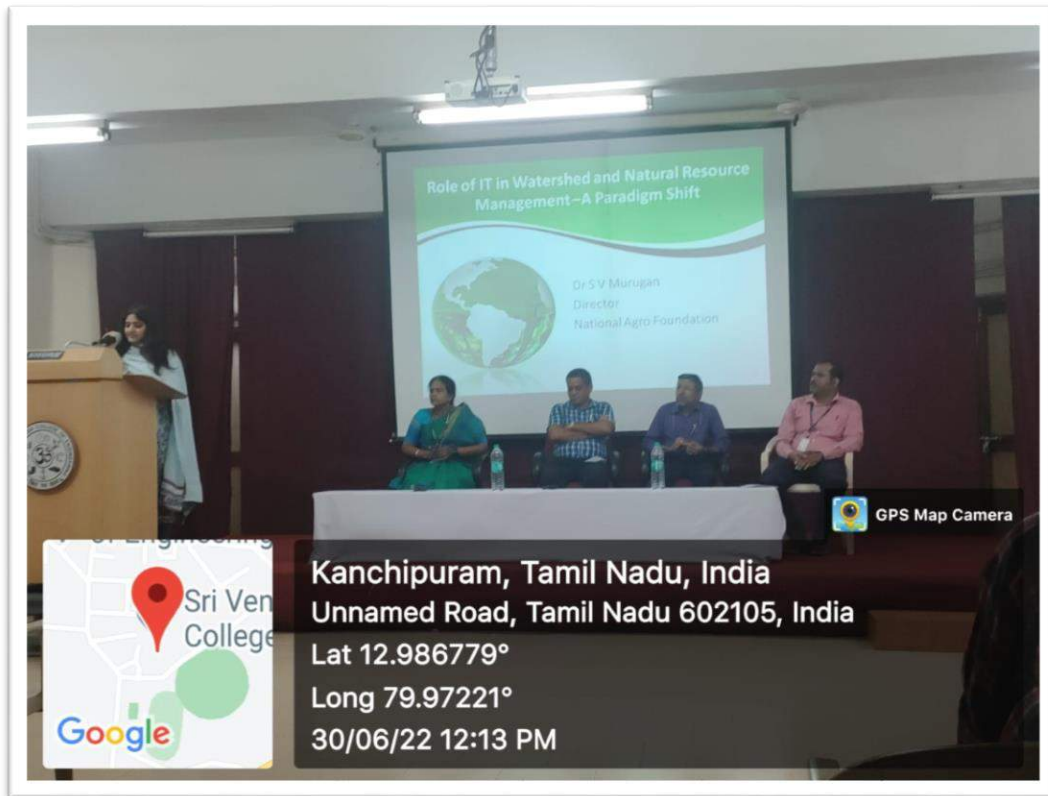
**Prepared by Faculty Name, Designation & Dept.**

Dr. T.Sukumar, Associate Professor, Information Technology

Dr. P. Sharon Femi, Assistant Professor, Information Technology



## Memories freed



**Host of the event Ms. Vidhya, I year B Section**



**Prayer song by Mr. Naresh raj, I year B section**





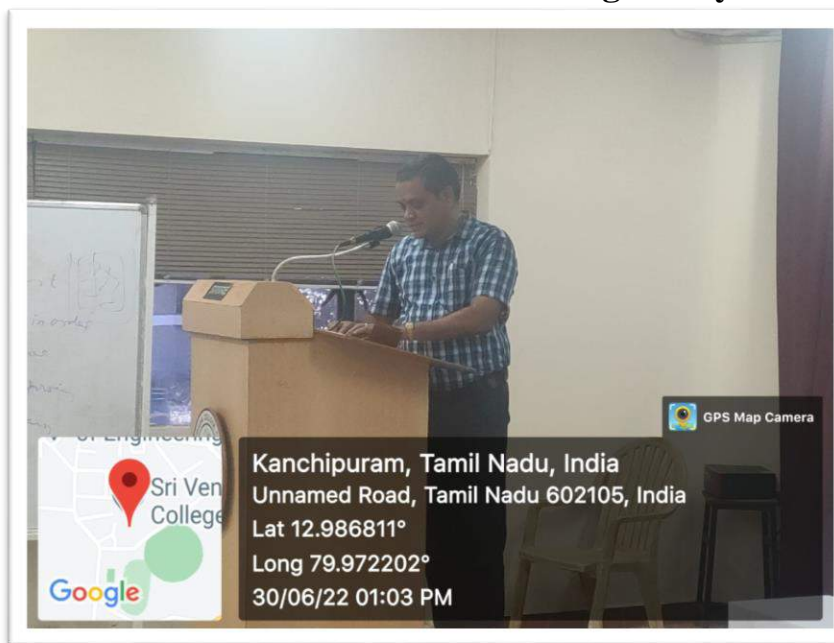
**Welcome Address by Dr.T.Sukumar, ASP/INT**



**Short note by HOD**



**Introduction of the chief guest by Dr.P.Sharon Femi, AP/INT**



**Technical talk by Chief Guest- Dr.S.V.Murugan**



**Audience**



**Felicitation of chief guest**





**HOD addressing the audience**



**Vote of thanks**



**SRI VENKATESWARA COLLEGE OF ENGINEERING**

Department of Information Technology

2022- 23 EVEN SEMESTER

Guest lecture on

Role of IT in watershed and Natural Resource Management - A Paradigm shift

30.06.2022

Attendance

S.No	Name of the participant	Department	Year/ Semester/ Section/ Rno	Signature of the participant
1	K. chithraprabhakaram	IT	1/2/A/21	
2	Hemanth. M	IT	1/2/A/38	
3	Bhaskar G	IT	1/2/A/19	
4	Gopinath. S	IT	1/2/A/32	S. Gopinath
5	Dharun Darshan	IT	1/2/A/27	R. V. Dharun
6	Derin Joseph Asstina	IT	1/2/A/23	
7	Girivasan. S.A	IT	1/2/A/31	SA. Girivasan/30/6/22
8	Ganapathi. S.R	IT	1/2/A/30	
9	Lohith G	IT	1/2/A/56	G. Lohith
10	Kaushick VS	IT	1/2/A/48	
11	Jayanth. K.L	IT	1/2/A/43	Jayanth
12	Jebin. S	IT	1/2/A/44	
13	S. Lakshman Rajaa	IT	1/2/A/53	S. Lakshman
14	B. Adithya	IT	1/2/A/5	B. Adithya
15	D. Dharshan	IT	1/2/A/26	D. Dharshan
16	R. Ajay	IT	1/2/A/8	
17	J. Dileep Kumar	IT	1/2/A/28	
18	R. Harishwan	IT	1/2/A/35	Harishwan
19	C.K. Saradhiraj	IT	1/2/A/18	C.K. Saradhiraj

20 P. Ayyanar

IT

1/2/A/11

P. Ayyanar  
5/8/22

30/6/22  
P. Ayyanar  
30/6/22



S.No	Name of the participant	Department	Year/ Sem/ Section/ Rno	Signature of the participant
21	JASWANT . R	INT	1/2/A/41	
22	B. Adithiyaram	INT	1/2/A/03	
23	Adithya Srikanth	INT	1/2/A/06	
24	SRIHARHARA SUDHAN.M	INT	1/2/A/08	
25	PRAVENU Kumbhar G.P.	INT	1/2/B/79	
26	Rahul .M.C.	INT	1/2/B/84	
27	Sai Karthick .S	INT	1/2/B/91	
28	NITHISHWAR .G	INT	1/2/B/72	
29	Naveen Akash	INT	1/2/B/66	
30	Sabarees	INT	1/2/B/90	
31	Vivekanand Pandeyan	INT	1/2/B/118	
32	Sanyay A.V	INT	1/2/B/95	
33	V. Sing Vallipppa	INT	1/2/B/97	
34	Mugesh .D	INT	1/2/B/62	
35	A.Raghul	INT	1/2/B/83	
36	Palayil Manav	INT	1/2/B/76	
37	SP Ramanathan	INT	1/2/B/88	
38	Paradeep Kumar R.K	INT	1/2/B/77	
39	V. Abinash	INT	1/2/A/02	
40	S.S. ASWINTH KIMAP	INT	1/2/A/16	
41	J. JEFFRIN . SAM	INT	1/2/A/45	
42	V. Harish Raghavan	INT	1/2/A/34	
43	Harishvar . R	INT	1/2/A/35	
44	Kathiravar . m	INT	1/2/A/47	
45	V. NPzanjan	INT	1/2/B/70	

30/6/22  
 P. K. Ramani  
 30/6

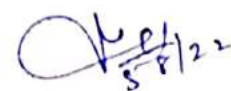
30/6/22





S.No	Name of the participant	Department	Year/ Sem/ Section/ Rno	Signature of the participant
46	K. Lakshmi	IT	I <sup>st</sup> year Sem II ITA/54	Lakshmi
47	M. Harini Padma	IT	I <sup>st</sup> year Sem II ITA/33	M.
48	R.E. Kceethana	IT	I <sup>st</sup> year Sem II ITA/51	
49	L. Kithika	IT	I <sup>st</sup> year/sem II A-II/52	L. Kithika
50	S. YOGITHA	IT	I <sup>st</sup> year/sem II B-IT/119	S. Yogitha
51	A. Raveena	IT	I <sup>st</sup> year/sem II B-IT/89	A. Raveena
52	D. SANIYA	IT	I <sup>st</sup> year/sem II IT-B/94	D. Saniya
53	P. Kceethana	IT	I <sup>st</sup> year/sem II IT-A/50	P. Kceethana
54	P. Logeswari	IT	I <sup>st</sup> year/sem II IT-A/55	P. Logeswari
55	L. Prayanga	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem IT-B/81	L. Prayanga
56	J. Meruthula	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem IT-B/89	J. Meruthula
57	I. Prayanka	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem IT-B/82	I. Prayanka
58	Neha Jain G	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem IT-B/67	Neha Jain G
59	Swati Meena G	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' section/105	Swati Meena G
60	Uma .T.D	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' section/111	Uma .T.D
61	Swetha .B	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' sec/106	Swetha .B
62	Swetha .S	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' sec/107	S. Swetha
63	Swetha Sri . I	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' sec/108	S. Sri . I
64	Padmadhushini .S	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' sec/74	Padmadhushini .S
65	Preetha .B	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' sec/80	B. Preetha
66	Sangeetha G	IT	I <sup>st</sup> year/2 <sup>nd</sup> sem 'B' sec/93	Sangeetha
67	Sowndariya K	IT	I <sup>st</sup> year/II nd sem/B/98	K. Sowndariya
68	S. Raja Rajeswari	IT	I <sup>st</sup> year II sem/B/85	S. Raja Rajeswari
69	SHREYA .S.G	IT	I <sup>st</sup> year/II sem 'B' / 96	Shreya .S.G

  
 P. Pranjana  
 Coordinator  
 30/6

  
 S. Pranjana  
 5/8/22







## SRI VENKATESWARA COLLEGE OF ENGINEERING

## FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : Information Technology

Name of the Speaker	: Dr. S. V. Murugan
Designation	: Director
Institution/University/Organisation	: National Agro Foundation, Chennai
Mobile / E-mail	:
Title of the Lecture	: Role of IT in Watershed and Natural Resource Management - A Paradigm Shift
Date	: 30.06.2022
Time	: 12 PM
Venue	: Video Hall
Comments by the Speaker	: This Initiative is to Provide an eye opener for the students on water, Environment and Agriculture. The leveraging IT & its applications for above mentioned sector will lead to impactful deliverable achieved at the society level & Pafunil level for the Country. A Good Initiative by the department to expose students on the Practicality. Congratulatory
Suggestions for improvement	: The Practical aspects like Study tours, Field visits etc will improve the Skill sets & employability with social cause.
Signature of the Speaker	:




Signature of Coordinator

Signature of HOD



## SRI VENKATESWARA COLLEGE OF ENGINEERING

## FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	R. Y. PHARUN PARESH
Branch/Semester/Section/Roll No.	IT / 2 / A / 27
Industry/ Institution Visited	Seminar on Role of IT in Agricultural field
Duration of Training/ Course with date	1 hour / 30-06-22
Plants visited during training	
Whether the training/Course was useful? In what way? Give reasons.	The seminar was informative and useful and we got an idea of how to implement Technology in Agricultural field.
Any other suggestions	
	 Signature
Report and Copy of Certificate submitted.	
 HOD	 Faculty Incharge

The person who has attended the course should prepare this in triplicate and submit copies to:  
**A2, A3 and Dept.**







**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
Pennalur, Sriperumbudur Taluk - 602117

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Solicit your esteemed presence for the

**Guest Lecture**

on

**Role of IT in watershed and Natural Resource  
Management - A Paradigm Shift**

by

**Dr. S.V.Murugan**

Director

Agriculture, Agribusiness, Water & Natural Resources  
Management Specialist  
National Agro Foundation - Chennai

**DATE : 30.06.2022**

**TIME : 11 AM**

**VENUE : Video Hall**





**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
Pennalur, Sriperumbudur Taluk - 602117

**DATE : 30.06.2022**

**TIME : 12 PM**

**AGENDA**

- Welcome address
- Introduction to Chief Guest
- Short note by HOD
- Special talk by Chief Guest
- Questionnaire and Feedback
- Vote of Thanks

**Event coordinators**

Dr. T. Sukumar, ASP/INT

Dr. P. Sharon Femi, AP/INT

**Convenor**

Dr. V. Vidhya

Professor & Head







SHARON FEMI P IT &lt;sharon@svce.ac.in&gt;

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**Fwd: Invitation for Guest Lecture on 30.06.2022**

1 message

**HOD IT** <hodit@svce.ac.in>

Wed, Jun 29, 2022 at 11:42 PM

To: Principal SVCE &lt;principal@svce.ac.in&gt;, Faculty Group &lt;svcefaculty@svce.ac.in&gt;

----- Forwarded message -----

From: **SUKUMAR T IT** <sukumart@svce.ac.in>

Date: Tue, 28 Jun 2022, 14:08

Subject: Invitation for Guest Lecture on 30.06.2022

To: HOD IT &lt;hodit@svce.ac.in&gt;

Dear Mam,

Kindly forward to the SVCE group.

Dear Colleagues,

The Department of IT cordially invites you all for the Guest Lecture on **Role of IT in watershed and Natural Resource Management A Paradigm Shift** on 30.06.2022.

Venue: Video Hall



Time: 12 PM.

Kindly refer to the attached invitation for your kind reference.

*All are cordially invited.*

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Thanks and Regards,  
Dr. T. Sukumar  
Associate Professor,  
Department of IT,  
Sri Venkateswara College of Engineering,  
Irungattukkottai - 602117,  
Sriperumbudur Taluk, Kanchipuram District,  
Tamil Nadu, India  
Cell: 8438355637 Intercom: 353

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**Dr.S V Murugan**

**Director – Agriculture, Agribusiness, Water & Natural Resources Management Specialist  
National Agro Foundation - Chennai, India**

<b>EDUCATION</b>		
<b>College/ University / Specialised Education</b>	<b>Dates Completed</b>	<b>Degree/Diploma</b>
University of Madras, Chennai, India	2016	<b>Ph.D.</b> (Agriculture Policies and Public Administration) -
World Bank Institute(WBI)	2015	Certificate in Agriculture, Forestry and Other Land Use with EX-ACT
World Bank Institute(WBI)	2015	Certificate in Sustainable Agricultural Land Use Management
CEEDT Foundation Spain & ADB Manila	2013	Diploma in River Basin Management
University of Madras, Chennai, India	2010	MBA(Human Resource) with Rural Marketing as elective course
Annamalai University, Chidambaram, India	2007	Post Graduate Diploma in Dairy Technology
Faculty of Agriculture, Annamalai University, Chidambaram, India	1999	Master of Science in Agriculture(Agronomy)
Annamalai University, Chidambaram, India	1998	Post Graduate Diploma in Business Administration
Faculty of Agriculture, Annamalai University, Chidambaram, India	1997	Bachelor of Science in Agriculture
<b>Professional Training</b>		

Agri Food Security 2030 supported by SIDA and conducted by SLU, Lund University, University of Gothenburg and SEI at Thailand	2018 (1Week)	Training course on Translating Science in to Policy and Practice (Multi functional Landscapes for Increased Food Security)
Agri Food Security 2030 supported by SIDA and conducted by SLU, Lund University, University of Gothenburg and SEI at ICRAF Bogor Indonesia	2018(1 Week)	Introduction to Meta - Analysis for Asian Researchers
Wageningen CDI in collaboration with Wageningen UR Netherlands	2016 ( 3 weeks)	Short Course on Wetlands, IWRM and Food Security
Wageningen CDI in collaboration with Wageningen UR Netherlands & ARC-LNR-South Africa	2015 (2 weeks)	Short Course on Local Economic Development: Towards Agri-business Cluster Development
CINADCO through MASHAV in Israel	2011 (2 weeks)	Short Course on Agriculture Extension Planning, Tools and Methods for Field Agents

#### MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS AND PUBLICATIONS

- **Member**–Shalom Club Israel
- **Member** –NFP Alumni, Netherlands
- Member – Agrifose Alumni ,Sweden
- **Member** –Panel of Rural Water Experts of First Asian Irrigation Forum, ADB Manila
- **Member** – DISHA Committee Tamilnadu State
- **Secretary** –NAF Farmer Producer Organisation, federation promoted by the Government of India
- **Secretary** – For 15 Watershed Associations registered under the Societies Act 1956 in India
- **Member (Convener)**– State-level consultation committee on watershed implemented by NGOs
- **Member** – 50 Water User Groups in 18 micro watersheds across five states in India
- **Member** –State-level consultative committee on Farmer Producer Organisations/Companies(FPO/Cs)



**Publications:**

Watershed Management from the River Basin Perspective: A Study on Palar and Ongur River Basin Watersheds of Tamilnadu State in India. Research article published in *International Journal of Current Research*, Vol. 6, Issue, 07, 2014.

Water Management Policies in India: Current Trends and Future Policy Options. Published in *Journal of Academia and Industrial Research (JAIR)*, Vol. 3, Issue 2, July 2014.

FAQs on Agriculture volume 1

In addition to the above, 17 research papers on various sub-sectors of Water and Natural Resource Management and Agriculture were presented and published.

Eight comprehensive reports were submitted in international forums like ADB and others.

**COUNTRIES VISITED**

Israel, Netherlands, Sweden, Thailand, France, Austria, Germany, Switzerland, Belgium, Luxemburg, South Africa, Malaysia, Singapore, Srilanka, Indonesia, Nepal and Philippines

**LANGUAGE SKILLS**

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Telugu	Fair	Nil	Nil
Kannada	Fair	Nil	Nil
Hindi	Fair	Nil	Nil
Tamil	Mother tongue	Mother tongue	Mother tongue

**PERSONAL & CONTACT INFORMATION**

**Date of Birth:** 27<sup>th</sup> July 1976

**Citizenship:** Indian

<b>Email</b>	svm747@gmail.com svm777@nationalagro.org	<b>Phone</b>	+91 - 9445504853 +91 - 8610386266
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**Certification:**

I, the undersigned, certify to the best of my knowledge and belief that this CV correctly describes my qualifications and experience;

Date: 15/06/2022

# SRI VENKATESWARA COLLEGE OF ENGINEERING

## Department of Information Technology

Ref.: SVCE/INT/Guest Lecture /June 2022

27-06-2022

### Submitted to the Principal:

Subject: Requisition of permission to conduct a Guest Lecture on "Role of IT in watershed and Natural Resource Management - A Paradigm shift"

It is proposed to conduct a Guest lecture on Role of IT in watershed and Natural Resource Management - A Paradigm shift for the I year IT students by the Department of Information Technology on 30.06.2022.

### Objective

- To make the students aware of the importance of managing the natural resources
- To shed light on the role of Information Technology in Natural Resource Management.

### Resource Person


Dr.S.V.Murugan,  
Director -- Agriculture, Agribusiness, Water & Natural Resources Management  
Specialist  
National Agro Foundation - Chennai,  
India

### Budget

Honorarium for the Resource Person

: Rs. 3100/-

It is requested that the proposal may be kindly approved.

  
P. Sharon Femi

### Coordinators

Dr.T. Sukumar, ASP/INT  
Dr.P. Sharon Femi, AP/INT

  
HOD/INT 27/06/22

To: HOD/INT  
Approved  
28