

SRI VENKATESWARA COLLEGE OF ENGINEERING
ASSOCIATION OF INFORMATION TECHNOLOGISTS
&
DEPARTMENT OF INFORMATION TECHNOLOGY

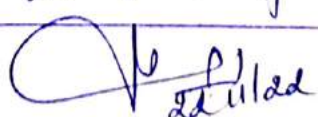
Guest Lecture on

“An Overview of Machine Learning Design Patterns”

07.11.2022

REPORT

To: HOD-INT
Noted, Good
26
23/11

Submitted to the principal


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

	Department of Information Technology		
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**REPORT OF GUEST LECTURE ON AN OVERVIEW OF MACHINE LEARNING
DESIGN PATTERNS**

1. Resource Person : Mr. Shanthababu Pandian,
AI & Data Analytics Lead,
Cognizant, UK.
2. Target Audience : II and III year IT
3. Venue : Biotech Conference Hall
4. Date & Time : 7th November 2022, 10.30 AM

Objectives:

- To analyze design patterns for applications
- To enhance design effectiveness and to speed up the development process
- To create successful machine learning solutions

About the programme:

On the 7th of November 2022, a guest lecture on “An Overview of Machine Learning Design Patterns” was delivered by Mr. Shanthababu Pandian. The event started with the Thamizh Thai vazhthu and was compered by Mr. Sanjiv.T.S, General Secretary, AIT. The welcome address was given by Ms. Deekshitha.M, President, AIT. The speaker was introduced by Ms.R.Saktheeswari, Assistant Professor, IT department. Dr.V.Vidhya, Professor & Head, Department of Information Technology gave a short note on the importance of Artificial Intelligence and Machine Learning and insisted the students to take up more projects in data science domain.



**Prayer song
Thamizh Thai vazhthu**



**Welcome address -
Deekshitha M, President, AIT**



**Introduction to chief guest -
Ms.R.Saktheeswari, AP/INT**



Short note by HOD/INT

Mr. Shanthababu Pandian took over the dais and started his session with a short recap of the workshop and gave an overview about machine learning. He explained about the benefits of using design patterns and its need in developing software. He also discussed about using machine learning design patterns in making models and frameworks, data and feature engineering and processing data. He insisted the students to understand the workflow pipeline of the machine learning process.

He clearly briefed about the feature store, transform, multimodal and cascade design patterns. He further gave insights about cloud computing, ensemble techniques, directed acyclic graphs. He elaborated on how entrepreneurship in young minds will help in growing a healthy society with great innovations.



Lecture by resource person

He conducted a question answering session where the doubts of the students were cleared. Finally, he concluded by proposing an idea about opening a product club where the students can bring out their innovations and ideas in machine learning.



Felicitation of chief guest



Vote of thanks - Ms. Sneha, M, Vice-President, AIT

Finally, Dr. V. Vidhya, Professor and Head felicitated the chief guest by giving the memento to Mr. Shanthababu Pandian. The event was concluded by vote of thanks rendered by Ms. Sneha.M, Vice-President, AIT followed by National Anthem.

Participant details

Total number of students : 84

Outcome:

- Perceived knowledge on selecting the appropriate design patterns for machine learning application
- Inspired to take up projects and convert them to products.

Prepared by Faculty Name, Designation & Dept.

Dr. A. Kala, AP/INT *A. Kala*
Dr. P. Sharon Femi, AP/INT *P. Sharon Femi*
Ms. R. Saktheeswari, AP/INT *R. Saktheeswari*

[Signature]
HOD/INT

SRI VENKATESWARA COLLEGE OF ENGINEERING

Department of Information Technology

2022- 23 ODD SEMESTER

Guest lecture on

An Overview of Machine Learning Design Patterns

07.11.2022

Attendance

S.No	Name of the participant	Department	Year/ Sem/ Section/ Rno	Signature of the participant
1.	LAKSHMI . K	IT	Indyear 3 rd /54 A	K. Lakshmi
2.	Varsha . M	IT	Indyr 3 rd /308 A	Varsha
3.	P. Keerthana	IT	Indyr/III sem/50 A	P. Keerthana
4.	L. Krithika	IT	Indyr/III sem/52 A	L. Krithika
5.	M. Harini padma	IT	Indyr/III sem/33 A	Harini Padma
6.	P. Logeswari	IT	Indyr/III sem/55 A	P. Logeswari
7.	R.E. Keerthana	IT	Indyr/III sem/51 A	Keerthana R.E
8.	M. Manisha	IT	Indyr/III/57 A	M. Manisha
9.	A. Charishma Reddy	IT	Indyr/III /20 A	A. Charishma
10.	D. Dhanapradha	IT	Indyr/III /24 A	D. Dhanapradha
11.	Daxmini . M	IT	Ind yr/III /22 A	M. Daxmini
12.	Nanthanavalli . V	IT	Indyr/III /64 B	Nanthanavalli
13.	Monika . S	IT	Ind yr /III / 64 B	S. Monika
14.	Varsha . J	IT	Ind yr/III /112 B	Varsha . J
15.	Mythra M	IT	III yr /V /8/56 B	Mythra M
16.	Puja Sri R	IT	III yr /V /B /66 B	Puja Sri R
17.	Shreya R	IT	III yr /V /B /82 B	Shreya R
18.	N. Gayathri	IT	III yr V /B /28 B	N. Gayathri
19.	Krishika . S	IT	III yr V /A /48 B	Krishika . S

(Signature)
19/11/22



S.No	Name of the participant	Department	Year/ Sem/ Section/ Rno	Signature of the participant
20.	Keerthana R	IS	III/V/A/45	R. Keer
21.	Madhumitha B	IT	III/V/A/51	B. <u>mm</u>
22.	Jyothi Prabha S.S	IT	III/V/A/304	Jyothi Praba S.S.
23.	Keerthana P	IT	III/V/A/44	Keerthana P
24.	Keerthana M	IT	II/III/A/49	M. Keerthana
25.	Hema B	IT	II/III/A/37	B. Hema
26.	Shalini G	IT	II/III/A/307	G. Shalini
27.	Prathiba P	IT	V/III/B/63	Prathiba P.
28.	Gr. Navina	IT	III/IV/B/59	G. Navina
29.	S. YOGITHA	IT	II/III/B/119	S. yogitha
30.	Swati Meena Gr.	IT	II/III/B/105	Swati
31.	Uma T.D	IT	II/III/B/111	T.D. Uma
32.	Aishwarya S	IT	II/III/A/07	Aishwarya S
33.	Preetha B	IT	II/III/B/80	B. Preetha
34.	Padmadhusheela S	IT	II/III/B/74	S. Padma
35.	Praveenkumar GR	IT	II/III/B/79	Praveen
36.	LAKSHITHA M	CSE	II/III/B/11	Lakshitha M
37.	BOKULKANNAPPAN NR	CSE	II/III/B/49	B. K. NR
38.	S. S Ananthkumar	IT	II/III/B/116	S. S Ananthkumar
39.	J. Jeffrin Sam	IT	II/III/A/45	J. Jeffrin Sam
40.	V- Abinash	IT	II/III/A/02	V-ABINASH
41.	A. Akkash	IT	II/III/B/11	A. Akkash
42.	JAYANTH K.A	IT	II/III/A/42	J. Jayanth

Handwritten signature and date: 12/11/22

S.No	Name of the participant	Department	Year/ Sem/ Section/ Rno	Signature of the participant
1	Hareeshth Manoharan	IT	II/3/A/36	Hareesh
2	Broathraj C.R.	IT	II/3/A/18	C.R. Broathraj
3	Prish Raghavan V	IT	II/3/A/34	V. Prish Raghavan
4	Ajaydevan R.J	IT	II/3/A/09	R.J. Devan
5	ANIRUDH.S	IT	II/3/A/12	Anirudh
6	Ashwin.R	IT	II/3/A/15	Ashwin
7	G.T. Lokith	IT	II/3/A/56	G.T. Lokith
8	Ashwin MP	IT	II/3/A/14	Ashwin
9	Dinesh.S	IT	II/3/A/30	Dinesh
10	Hemanth -M	IT	II/3/A/38	Hemanth
11	AJAY.R	IT	II/3/A/08	Ajay
12	D.Dhandhan	IT	II/3/A/26	D.Dhandhan
13	S.R. GANAPATHI	IT	II/3/A/30	Ganapathi
14	G. Bhaskar	IT	II/3/A/19	Bhaskar
15	K.L.JAYANTH	IT	II/3/A/43	Jayanth
16	R.K. Dharm Dhawan	IT	II/3/A/27	Dharm Dhawan
17	Jyothish	IT	II/3/A/303	Jyothish
18	Sabarees A	INT	II/3/B/90	Sabarees
19	Naveen Akash.K	INT	II/3/B/66	Naveen Akash
20	Subash V	INT	II/3/B/101	Subash
21	SAI NITHISHS	INT	II/3/B/92	Nithish
22	Mugilan . S	IT	II/3/B/63	Mugilan
23	S. Saran Kumar	INT	III/5/A/79	Saran
24	K. Vasanth Kumar	INT	III/5/B/98	Vasanth

OK 15/11/22

S.No	Name of the participant	Department	Year/ Sem/ Section/ Rno	Signature of the participant
25	P.Santhanabharathi	INT	III/5/B/76	
26	GUZIVASAM.S.A	INT	II/3/A/31	
27	S.Lakshman Rajan	INT	II/3/A/53	
28	S. Gopinath	INT	II/3/A/82	
29	NK.Nikhil Kumar	INT	II/3/A/304	
30	HARISHVAR R	INT	II/3/A/35	
31	Karthikeyan.M	INT	II/3/A/47	
32	AYANAR.P	INT	II/3/A/17	
33	Dhanish.P	INT	II/3/A/25	
34	Asarind.M	INT	II/3/A/13	
35	Chithraprathapan	INT	II/3/A/21	
36	HEMANTH.P	INT	II/3/A/39	
37	SUJITH.U	INT	II/3/B/102	
38	R.Adhithiyaram	INT	II/3/A/03	
39	Vasanthakumars	INT	II/3/B/114	
40	Thirupathi	INT	II/3/B/110	
41	Jelvin S	INT	II/3/A/44	
42	A.GOWTHAM	INT	II/3/A/302	

Total No. of students : 84
 Faculty : 05

17/11/22



SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : INT

Name of the Speaker	: Mr. Shanthababu Pandian
Designation	: AI n. Data Analytics Lead
Institution/University/Organisation	: Cognizant, UK
Mobile / E-mail	: 9566256693
Title of the Lecture	: Guest Lecture on "An overview of Machine Learning Design patterns"
Date	: 7th November 2022
Time	: 10.30 AM
Venue	: BioTech Conference Hall
Comments by the Speaker	: It was great pleasure to be here in Sree campus and interacting with students community as simply give some. think of this wonderful opportunity and looking forward more in future.
Suggestions for improvement	: As we all promised we should initiate the AI n. product club into next level and enhance the possibilities
Signature of the Speaker	P. Shanthababu

S. Kalyani
P. Shanthababu
Signature of Coordinator

[Signature]
Signature of HOD



SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE


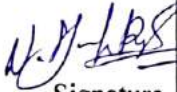

Name of the Student	HARINI PADMA M
Branch/Semester/Section/Roll No.	IT - III - A - 33
Industry/Institution Visited	SVCE
Duration of Training/ Course with date	07/11/2022
Plants visited during training	
Whether the training/Course was useful? In what way? Give reasons.	The guest lecture was thought provoking and interactive.
Any other suggestions	Requesting to conduct many more events like this in the future. <i>Harini Padma</i> Signature
Report and Copy of Certificate submitted.	 <i>[Signature]</i> HOD <i>[Signature]</i> 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

FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	HARISH RAGHAYAN.V
Branch/Semester/Section/Roll No.	IT/03/A/34
Industry/Institution-Visited	Sri Venkateswara Ctg of Engineering.
Duration of Training/ Course with date	07/11/2022
Plants visited during training	
Whether the training/Course was useful? In what way? Give reasons. Guest Lecture gave us a clear Detail about AI & ML all about.	
Any other suggestions : Further more events are requested.	
Report and Copy of Certificate submitted.	
 HOD	 Signature  Faculty Incharge

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



SHARON FEMI P IT <sharon@svce.ac.in>

Fwd: Invitation for AIT guest Lecture on 7/11/2022

HOD IT <hodit@svce.ac.in>

Sat, Nov 5, 2022 at 1:41 PM

To: Principal SVCE <principal@svce.ac.in>, Faculty Group <svcefaculty@svce.ac.in>

Dear Sir/madam,

We are cordially inviting you all for a guest lecture titled "An Overview of Machine Learning Design Patterns" Organized by AIT of Information Technology on 7th November 2022. Attaching herewith the AIT Invitation for your kind reference.

Date :7/11/2022

Venue:Bio-Tech Conference Hall

Time :11 am

Thanks & Regards,
V.M.Sivagami & Dr.P.Leelarani
Associate Professor
Department of Information Technology
Sri Venkateswara College of Engineering
Sriperumbudur

&
Dr.V.Vidhya
Professor & Head
Dept. of Information Technology
Sri Venkateswara College of Engineering
Sriperumbudur-602117
Ph.044-27152000,extn:350

 **AIT Invitation2022.pdf**
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SRI VENKATESWARA COLLEGE OF ENGINEERING
Pennalur, Sriperumbudur Taluk - 602117

**ASSOCIATION OF INFORMATION TECHNOLOGISTS
&
DEPARTMENT OF INFORMATION TECHNOLOGY**

Solicit your esteemed presence for the

Guest Lecture

On

“An Overview of Machine Learning Design Patterns”

by

**Mr. Shanthababu Pandian
AI & Data Analytics Lead
Cognizant, UK**

DATE : 7.11.2022

TIME : 10.30 AM

VENUE : Bio-Tech Conference Hall



SRI VENKATESWARA COLLEGE OF ENGINEERING

Pennalur, Sriperumbudur Taluk - 602117

DATE : 7.11.2022
TIME : 10.30 AM
VENUE : Bio-Tech Conference Hall

AGENDA

- Prayer Song
- Welcome address
- Shortnote by HOD
- Introduction to Chief Guest
- Special talk by Chief Guest
- Questionnaire and Feedback
- Vote of Thanks

Organizers

Dr.A.Kala,AP/IT
Dr.P.Sharon Femi,AP/IT
Ms.R.Saktheeswari,AP/IT

Coordinators

Dr.V.M.Sivagami,ASP/IT
Dr.P.LeelaRani,AP/IT

SHANTHABABU PANDIAN

Executive Summary

Shanthababu has 20+ years of experience in Information Technology (IT). Expertise in ML & Data Architect and Program Delivery including liaising with clients, gathering, eliciting requirements, architecting, and devising cost-effective solutions as per delivery frameworks and mitigating project/delivery risks. Expertise in providing insights into obtaining, describing, visualizing, and using data for making right business decision through quantitative research, advance data sourcing and data profiling for Cloud, Analytics MSBI and AIML Solutions; Adoption Skilled Data Architecting, Modelling, Data Quality, Data Governance, Data Privacy and Data Integration, Data Platform, Data analysis and Data Science program.

Educational Qualifications

- PG Program in Artificial Intelligence & Machine Learning (Great Learning & University of Texas)
- Post Graduate Certification in Data Science (Indian Institute of Technology, Guwahati)
- Master of Science in Software Engineering - BITS Pilani.
- Master of Business Applications in Systems Specialization - Madurai Kamaraj University. Tamil Nadu.
- Master of Technology in Polymer Engineering, Insulation Specialization - Anna University. Chennai, Tamil Nadu.
- Bachelor of Engineering in Electronics and Communication - University of Madras. Chennai, Tamil Nadu

Professional Certification

Management Certification

- Certified Scrum Master – Scrum Alliance and Agile Scrum Master - EXIN
- ITIL – Foundation in ITSM

Technical Certification

- Microsoft Certified Database Administrator (MCDBA) for SQL Server
- Microsoft Certified Solution Developer (MCSD) for Microsoft .NET,
- Microsoft Certified Azure Data Engineer
- Microsoft Certified Azure Data Science Associate
- IBM and Coursera Certified – Data Science

Technical Community Contribution

- Technical Author in Analytics Vidhya, Data Science Central and Shantha's AI view in Data Platform/ Data Architecture /Data Science/Machine Learning/AI
- Technical Book Reviewer for Pack Publication – BIRMINGHAM, UK
- National and International Technical Speaker and YouTuber



HOD IT <hodit@svce.ac.in>

Invitation for AIT guest Lecture on 7/11/2022

HOD IT <hodit@svce.ac.in>

5 November 2022 at 13:37

To: shanthababu pandian <pandian.shanthababu@gmail.com>

Dear Sir,

We are inviting you as a chief guest to deliver a guest lecture on "An Overview of Machine Learning Design Patterns" for our students on 7th November 2022. Attaching herewith the AIT Invitation and formal invitation for your kind reference.

Date :7/11/2022

Venue: Bio-Tech Conference Hall

Time : 11 am

Thanks & Regards,
V.M.Sivagami
Associate Professor
Department of Information Technology
Sri Venkateswara College of Engineering
Sriperumbudur

&
Dr.V.Vidhya
Professor & Head
Dept. of Information Technology
Sri Venkateswara College of Engineering
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Ph.044-27152000,extn:350

2 attachments

 **InviationLetterto ChiefGuestShanthababuPandian.docx**
18K

 **AIT Invitation2022.pdf**
218K