



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Event Name: Guest Lecture on Reverse Engineering

Date:22.08.2018

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SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

SSMIET/ Circular/ Mech/ 2018-2019

Dt: 17.08.2018

CIRCULAR

We are happy to inform that Department of Mechanical Engineering will be organizing Guest Lecture Reverse Engineering, on 22nd August 2018 (Wednesday) at New Seminar Hall. Interested students and staff members are requested to attend the program.


Event-Coordinator

Dr. V. KANDARU


HoD / Mech

PRINCIPAL

Copy to:

All the HoD (To be circulated among all the staff Members and students)

Copy to Noticeboard



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

Dindigul – Palani Highway, Dindigul -624 002

We cordially invite you to the guest Lecture

Organized by

Department of Mechanical Engineering

“Reverse Engineering”

Date: 22 August 2018 (Wednesday) - 10.00 AM

Venue: New Seminar Hall

Resource Person

Dr.K. Jayakrishna

Associate Professor

School of Mechanical Sciences

VIT University, Vellore

Presidential Address

Dr.M.Saravanan

Principal, SSM Institute of Engineering Technology,
Dindigul

Dr.G.Sankaranarayanan

Professor and Head /
Mech.Engg

Dr.M.Sabareeswaran

Event-Coordinator



About the program

Reverse engineering also known as backwards engineering or back engineering is a process or method through the application of which one attempts to understand through deductive reasoning how a device, process, system, or piece of software accomplishes a task with very little (if any) insight into exactly how it does so.

Reverse engineering is applicable in the fields of computer engineering, mechanical engineering, design, electronic engineering, software engineering, chemical engineering, and systems biology. The goal of the reverse engineering process can simply be a re-documentation of legacy systems. Even when the reverse-engineered product is that of a competitor, the goal may not be to copy it but to perform competitor analysis.

Software reverse engineering can help to improve the understanding of the underlying source code for the maintenance and improvement of the software, relevant information can be extracted to make a decision for software development and graphical representations of the code can provide alternate views regarding the source code, which can help to detect and fix a software bug or vulnerability. Frequently, as some software develops, its design information and improvements are often lost over time, but that lost information can usually be recovered with reverse engineering. The process can also help to cut down the time required to understand the source code, thus reducing the overall cost of the software development.

Reverse engineering can also help to detect and to eliminate a malicious code written to the software with better code detectors. Reversing a source code can be used to find alternate uses of the source code, such as detecting the unauthorized replication of the source code where it was not intended to be used, or revealing how a competitor's product was built. That process is commonly used for "cracking" software and media to remove their copy protection, or to create a possibly-improved copy or even a knockoff, which is usually the goal of a competitor or a hacker.

About the speaker

Jayakrishna K. is currently working as an Associate professor in the School of Mechanical Engineering at the VIT University at Vellore. He received his doctorate degree in production engineering from the National Institute of Technology, Tiruchirappalli in 2014, master's degree in Production engineering from P.S.G College of Technology, Coimbatore in 2009 and a bachelor's degree in mechanical engineering from Adhiyamman College of Engineering, in 2006. His research is focused on sustainable manufacturing processes and their applications in automotive industries. Jayakrishna's current work at VIT University investigates on imbining sustainable manufacturing practices into ERP systems for Industry 4.0. He has published 21 International journals papers in leading SCI/ SCOPUS Indexed journals and 48 papers in International conferences; he has also edited one book, co-authored three book chapters. He is editorial board member and reviewer of reputed international journals. He has received several awards including MHRD Postgraduate and Doctoral Scholarships and Best Paper Awards.



Associate Professor Grade 2

School of Mechanical Sciences

Department of Manufacturing Engineering

VIT University, Vellore



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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Event Name: Guest Lecture on Reverse Engineering

Date: 22.08.2018

Venue : New Seminar Hall

Student Name List

S.No	Reg.No	Name of the Student
1	922116114001	ABDUL RAHMAN S
2	922116114002	AJAY RATHINAM K
3	922116114005	ALAGU MALAI T
4	922116114006	AMAR JOTHI B
5	922116114011	CHINNA SAMY O
6	922116114012	DEEPAN B
7	922116114020	HAFIZ RAHMAN B
8	922116114022	HARI VIGNESH G
9	922116114023	HEMANTH KUMAR G
10	922116114029	KAMALAPRAKASH S
11	922116114033	KARTHI KEYAN S
12	922116114034	KARUNAKARAN R
13	922116114036	KAVIARASU K
14	922116114037	LOGESHWARAN S
15	922116114043	MOHAMED ISMAIL S
16	922116114044	MUTHU ARUN KUMAR A
17	922116114049	NAVEEN KUMAR P
18	922116114050	NITHESHKUMAR V
19	922116114058	RAJASEKARAN S
20	922116114059	RAJKUMAR A
21	922116114063	RAM KUMAR S
22	922116114065	ROHAN.K
23	922116114072	SARUKA G
24	922116114073	SATHYA.S
25	922116114077	SUJITH BALAJI.A
26	922116114079	TAMILARASAN.A.R
27	922116114086	VIGNESH PANDI.M
28	922116114087	VIKRAM.V
29	922116114094	YUVARAJ.P
30	922116114302	ARUNPANDIAN S
31	922116114311	MEENATCHI SUNDARAM.K
32	922116114312	NANDA KUMAR S
33	922116114315	RAJA.M
34	922116114316	RAJADURAI P
35	922116114321	SUGA VIGNESH.G
36	922116114701	HARI HARA ADITHYAA S


Event-Coordinator


HoD / MECH



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1	922116114001	ABDUL RAHMAN S	Abdul Rahman S
2	922116114002	AJAY RATHINAM K	Ajay Rathinam K
3	922116114005	ALAGU MALAI T	Alagu Malai T
4	922116114006	AMAR JOTHI B	Amar Jothi B
5	922116114011	CHINNA SAMY O	Chinna Samy O
6	922116114012	DEEPAN B	Deepan B
7	922116114020	HAFIZ RAHMAN B	Hafiz Rahman B
8	922116114022	HARI VIGNESH G	Hari Vignesh G
9	922116114023	HEMANTH KUMAR G	Hemanth Kumar G
10	922116114029	KAMALAPRAKASH S	Kamalaprakash S
11	922116114033	KARTHI KEYAN S	Karthi Keyan S
12	922116114034	KARUNAKARAN R	Karunakaran R
13	922116114036	KAVIARASU K	Kaviarasu K
14	922116114037	LOGESHWARAN S	Logeshwaran S
15	922116114043	MOHAMED ISMAIL S	Mohamed Ismail S
16	922116114044	MUTHU ARUN KUMAR A	Muthu Arun Kumar A
17	922116114049	NAVEEN KUMAR P	Naveen Kumar P
18	922116114050	NITHESHKUMAR V	Nithesh Kumar V
19	922116114058	RAJASEKARAN S	Rajasekaran S
20	922116114059	RAJKUMAR A	Rajkumar A
21	922116114063	RAM KUMAR S	Ram Kumar S
22	922116114065	ROHAN.K	Rohan.K
23	922116114072	SARUKA G	Saruka G
24	922116114073	SATHYA.S	Sathya.S
25	922116114077	SUJITH BALAJIA	Sujith Balajia
26	922116114079	TAMILARASAN.A.R	Tamilarasan.A.R
27	922116114086	VIGNESH PANDI.M	Vignesh Pandi.M
28	922116114087	VIKRAM.V	Vikram.V
29	922116114094	YUVARAJ.P	Yuvaraj.P
30	922116114302	ARUNPANDIAN S	Arunpandian S
31	922116114311	MEENATCHI SUNDARAM.K	Meenatchi Sundaram.K
32	922116114312	NANDA KUMAR S	Nanda Kumar S
33	922116114315	RAJA.M	Raja.M
34	922116114316	RAJADURAI P	Rajadurai P
35	922116114321	SUGA VIGNESH.G	Suga Vignesh.G
36	922116114701	HARI HARA ADITHYAA S	Hari Hara Adithyaa S

Event-Coordinator

HOD / MECH



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul-Palani Highway, Dindigul-624002

Department of mechanical Engineering

Certificate of Participation

This is to certify that Mr. / Ms. _____ of

_____ has participated in the one day Guest Lecture on
"Reverse Engineering" organized by the department of Mechanical Engineering, SSM Institute of Engineering and
Technology, Dindigul on 22.08.2018

Dr.G.Sankaranarayanan
Professor and Head /
Mech.Engg

Dr.M.Saravanan
Principal,SSMIET



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : S. ABDUL RAHMAN (Optional)

Event Title : Guest Lecture on Reverse Engineering

Date : 22.08.2018

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
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1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

2. You are likely to use this information in the future

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

--

S. Abdul Rahman

Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : DEEPAN . B. (Optional)

Event Title : Guest Lecture on Reverse Engineering.

Date : 22.8.2018.

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High		<input checked="" type="checkbox"/>				LOW
------	--	-------------------------------------	--	--	--	-----

2. You are likely to use this information in the future

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

4. You would recommend this event to others

High		<input checked="" type="checkbox"/>				LOW
------	--	-------------------------------------	--	--	--	-----

5. Overall, the event was worthwhile

High		<input checked="" type="checkbox"/>				LOW
------	--	-------------------------------------	--	--	--	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

7. Comments/ suggestions (If any)

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Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : Vikram . V (Optional)

Event Title : Guest Lecture on Reverse Engineering

Date : 22.08.2018.

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
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1. Information provided at this event is relevant to you

High		✓				LOW
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2. You are likely to use this information in the future

High	✓					LOW
------	---	--	--	--	--	-----

3. Presentations were interesting

High	✓					LOW
------	---	--	--	--	--	-----

4. You would recommend this event to others

High		✓				LOW
------	--	---	--	--	--	-----

5. Overall, the event was worthwhile

High		✓				LOW
------	--	---	--	--	--	-----

6. The venue was suitable

High	✓					LOW
------	---	--	--	--	--	-----

7. Comments/ suggestions (If any)

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V. Vikram
Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : Karthi Keyan S (Optional)

Event Title : Guest lecture on Reserve Engineering

Date : 22.08.2018

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

2. You are likely to use this information in the future

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

Karthi Keyan S
Signature



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Department of Mechanical Engineering

Name of the Student : ROHAN . K (Optional)

Event Title : Guest Lecture on Reverse Engineering

Date : 22.08.2018

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Section 1 – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High		✓				LOW
------	--	---	--	--	--	-----

2. You are likely to use this information in the future

High			✓			LOW
------	--	--	---	--	--	-----

3. Presentations were interesting

High		✓				LOW
------	--	---	--	--	--	-----

4. You would recommend this event to others

High			✓			LOW
------	--	--	---	--	--	-----

5. Overall, the event was worthwhile

High	✓					LOW
------	---	--	--	--	--	-----

6. The venue was suitable

High			✓			LOW
------	--	--	---	--	--	-----

7. Comments/ suggestions (If any)

--


Signature