

IGNITE 2023



A DAILY NEWSLETTER

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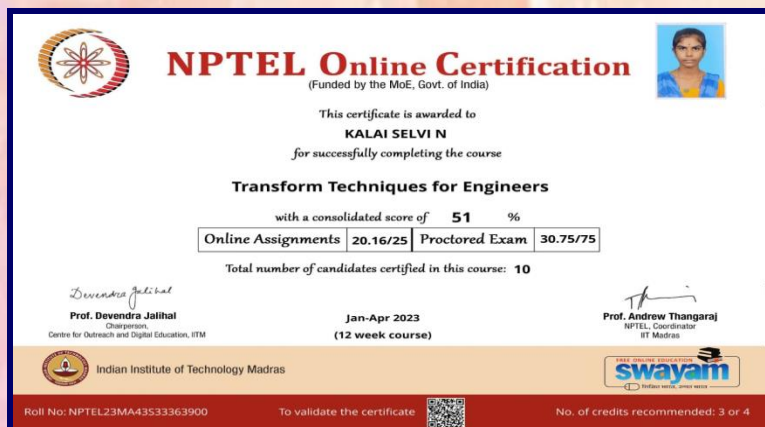


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STUDENT ACHIEVEMENT



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KALAI SELVI N
for successfully completing the course

Transform Techniques for Engineers

with a consolidated score of **51** %

Online Assignments	20.16/25	Proctored Exam	30.75/75
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Total number of candidates certified in this course: **10**

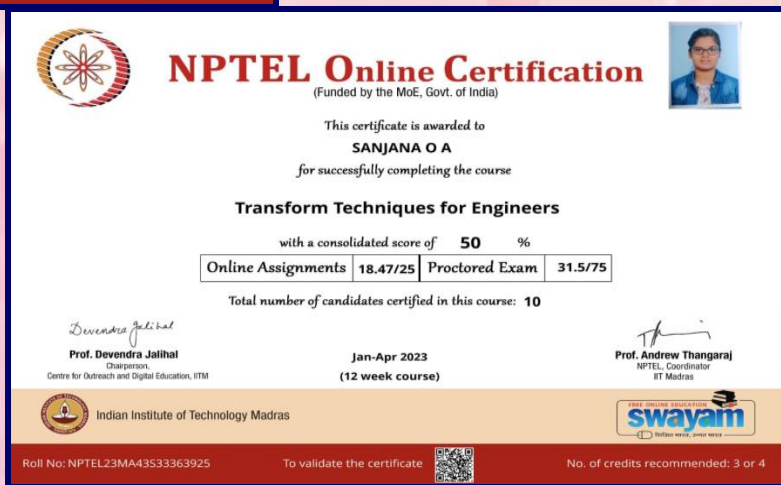
Prof. Devendra Jalihal
Chairperson
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL23MA43S33363900 To validate the certificate No. of credits recommended: 3 or 4



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SANJANA O A
for successfully completing the course

Transform Techniques for Engineers

with a consolidated score of **50** %

Online Assignments	18.47/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: **10**

Prof. Devendra Jalihal
Chairperson
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL23MA43S33363925 To validate the certificate No. of credits recommended: 3 or 4

Kalai Selvi.N and Sanjana.O.A, II year students, Department of Chemical Engineering have completed NPTEL online certification course in the subject 'Transform Techniques for Engineers' in April 2023.

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FACULTY ACHIEVEMENT



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)





This certificate is awarded to

RAGUPATHY K

for successfully completing the course



Computer Integrated Manufacturing

with a consolidated score of **96** %

Online Assignments	24.38/25	Proctored Exam	72/75
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Total number of candidates certified in this course: **1261**



Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2023
(12 week course)



Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23ME13S43362383

To validate the certificate



No. of credits recommended: 3 or 4

Dr. K. Ragupathy, Assistant Professor, Department of Mechanical & Automation Engineering has completed **NPTEL** online certification course on **Computer Integrated Manufacturing with ELITE + Gold (Topper)** certificate and a consolidated score of 96% during the period Jan-Apr 2023.

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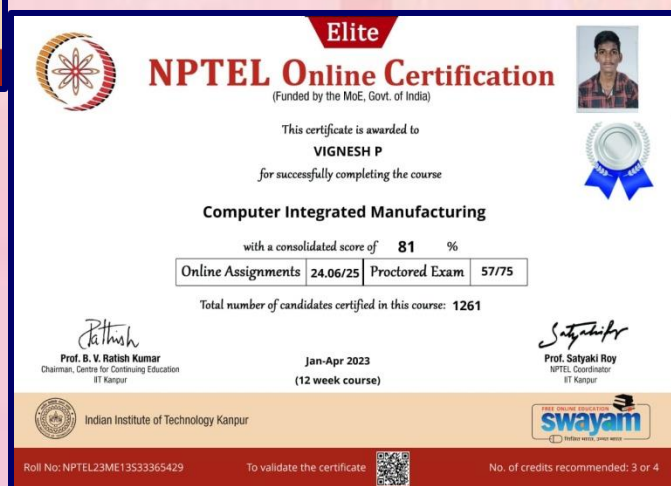
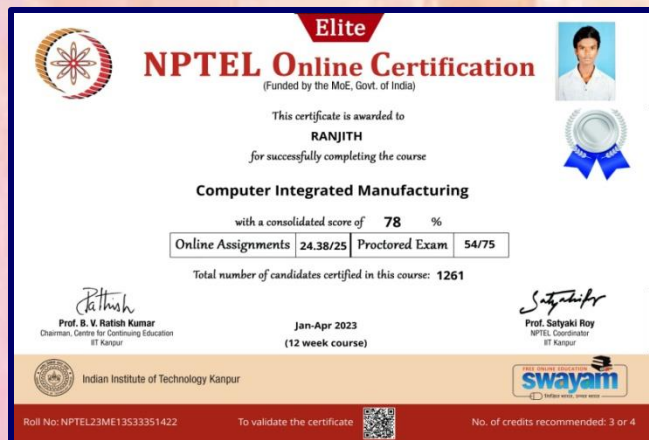


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STUDENT ACHIEVEMENT



Ranjith and P. Vignesh, III year students, Department of Mechanical & Automation Engineering have completed NPTEL online certification course on Computer Integrated Manufacturing with ELITE + Silver certificate and a consolidated score of 78% and 81% respectively during the period Jan-Apr 2023.

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STUDENT ACHIEVEMENT

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
G CHANDRU
for successfully completing the course

Computer Integrated Manufacturing

with a consolidated score of **84** %

Online Assignments	24.06/25	Proctored Exam	60/75
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Total number of candidates certified in this course: 1261

Jan-Apr 2023
(12 week course)

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL23ME13543354322 To validate the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JAYASIMMAN S
for successfully completing the course

Computer Integrated Manufacturing

with a consolidated score of **77** %

Online Assignments	24.38/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: 1261

Jan-Apr 2023
(12 week course)

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL23ME13533365571 To validate the certificate No. of credits recommended: 3 or 4

G. Chandru and S. Jayasimman, III year students, Department of Mechanical & Automation Engineering have completed NPTEL online certification course on Computer Integrated Manufacturing with ELITE + Silver certificate and a consolidated score of 84% during the period Jan-Apr 2023.

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STUDENT ACHIEVEMENT



A. H. Srinivasa Raghavendar and S. Mahasakthi ,III year students, Department of Mechanical & Automation Engineering have completed **NPTEL** online certification course on **Computer Integrated Manufacturing with ELITE + Silver certificate** and a consolidated score of 75% and 83% respectively during the period Jan-Apr 2023.

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STUDENT-FACULTY ACHIEVEMENT



International Journal of Research Publication and Reviews, Vol 4, no 5, pp 3152-3155, May 2023



International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

Pythonic Shield: Fortifying Your Database Against SQL Injection Attacks

Swetha. S¹, Jenani. S², Devadharshini. D³, Mrs. Umadevi Venkat G⁴

^{1,2,3} Student, Computer Science and Engineering, Agni College of Technology, Chennai-600 130, Tamil Nadu, India

⁴ Assistant Professor, Computer Science and Engineering, Agni College of technology, Chennai-600 130, Tamil Nadu, India

ABSTRACT -

Existing vulnerabilities in the Web system threaten information systems. Organisations must take measures to secure their systems and protect their data. SQL injection is a cyberattack where an attacker uses malicious code into web apps to access the database unofficially. In 2022, SQL Injection attacks are the most consequential security risk. To access the unauthorized databases, Hackers uses SQL injection type.

In the article, various techniques for safeguarding web applications against SQL injection assaults are examined. Additionally, measures to protect these same web apps from such malicious attacks are also discussed in detail. The software gives permission to user so that they can protect their web apps from SQL injection.

Keywords- Web resource, SQL Injection, Prevention system, Vulnerabilities, Queries, Database.



Swetha. S, Jenani. S and Denadarshini. D, III year students have published paper on Pythonic shield: Fortifying your database Against **SQL injection attack** under the guidance of the faculty **Mrs.Umadevi. G**, in the International Journal of Research Publication and Reviews, a SJIF indexed journal, vol 4, no 5, pp 3152-3155, ISSN 2582-7421 on May 2023.

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STUDENT-FACULTY ACHIEVEMENT



International Journal of Research Publication and Reviews, Vol 4, no 5, pp 2950-2954 May 2023



International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

Detection and Recognition of Number Plate Model of The Car Using Machine Learning

Anand S¹, Aravind R², Balaguru R³, Rajesh Kanna R⁴

Department of Computer Science and Engineering, Agni College Of Technology^{1,2,3}
Assistant Professor, Computer Science and Engineering, Agni College Of Technology⁴

ABSTRACT:

An important issue in the realm of computer vision and image processing is the detection and identification of vehicles. In the present study, we provide a neural network-based method for detecting and classifying vehicle number plates and models. The steps in our suggested approach include gathering a sizable dataset of pictures of cars with annotated license plates and models, preprocessing the pictures, creating and training a neural network architecture, and then evaluating the model on a different dataset. The neural network architecture consists of fully connected layers for classification after many convolutional layers for feature extraction. Utilizing parameters like accuracy, precision, recall, and F1 score, the suggested system's performance is assessed. Our testing demonstrates the suggested system's excellent accuracy in detecting and identifying the suggested method could be used for monitoring traffic, enforcing the law, and managing parking.

Key words: KNN, Surf, Matlab, Vehicle number plate.



Anand. S, Aravind. R and Balaguru. R, IV year students have published paper on **Detection and Recognition of Number plate model of the car using Machine learning** under the guidance of the faculty **Mr. Rajesh Kanna. R**, in the International Journal of Research Publication and Reviews, a SJIF indexed journal, vol 4, no 5, pp 2950-2954, ISSN 2582-7421 on May 2023.

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FACULTY ACHIEVEMENT

Materials Letters

Available online 12 May 2023, 134532

In Press, Journal Pre-proof ⓘ What's this? ↗

An investigation on mechanical and wear behavior of friction-stir-processed hybrid AZ80/CeO₂+BN surface composite

Zhongbin Wei ^a, Arul Kulandaivel ^b, Tino Hermanto ^c,
R. Vaira Vignesh ^d, Sadok Mehrez ^{e,f},
Moslem Paidar ^g ⓘ ⓘ, Azlan Mohd Zain ^h,
V. Mohanavel ^{i,j}

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<https://doi.org/10.1016/j.matlet.2023.134532> ↗[Get rights and content](#) ↗

Dr. Arul Kulandaivel, HOD, Department of Science and Humanities has published a research paper, **An Investigation On Mechanical and Wear behavior of friction-stir-processed hybrid AZ80/CeO₂+BN surface composite** in **Materials Letters** with **Impact factor 3.574** in **Annexure – 1, SCI journal and Elsevier Publications.**

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STUDENT ACTIVITY PROJECT REVIEW



Final year students, Department of Information Technology, presented their major projects to the panel comprising the faculty members of the department on 15th May, 2023. Ms. Lakshmi Priya. R. V., final year Project Coordinator, recorded the review comments given by the panel for the smooth conduct of the upcoming final University Project Viva-Voce.

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