



Hindusthan College of Engineering and Technology

(An Autonomous Institution Affiliated to Anna University | Approved by AICTE, New Delhi,

Accredited with 'A' Grade by NAAC | Accredited by NBA (ECE, MECH, EEE, IT & CSE)

Valley Campus, Pollachi Highway, Coimbatore 641 032.



Department of Artificial Intelligence & Machine Learning

Faculty Achievements

AIML faculties have achieved in various categories during last 3 academic years. Patent granted sample list shown below:

Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
201941035581	Granted	Dr B.DHIYANESH	PORTABLE AIR CONDITIONER FOR VEHICLES	Dr B.DHIYANESH	9/4/2019	18/10/2019	42/2019

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Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
202241010316	Published	D SATHEESH KUMAR	IOT AND AI WITH CLOUD BASED IDENTIFICATION OF ACCIDENT-PRONE SITES USING AD-HOC NETWORKS AND RASPBERRY PI	D. Vijayanandh Dr.J.Prakash	2/25/2022	3/4/2022	19/2022
202241022036	Published	S. SHANKAR M. Ramya Devi D.Satheesh Kumar BijuBalakrishnanShanub Hussain K Sri Naveen Viswajith J Yedukrishnan O	OBJECT DETECTION AND RECOGNITION OF SCENE IMAGES USING FR-CNN AND KERAS CLASSIFIER	Hindusthan College of Engineering and Technology	4/13/2022	5/6/2022	18/2022

2022410 37250	Published	J.JAYA S.UMA S.SHANKAR D.SATHEESH KUMAR	DATA POISON DETECTION USING ASSOCIATIVE SUPPORT-VECTOR MACHINE (ASVM) METHOD	J.JAYA S.UMA S.SHANKAR D.SATHEESH KUMAR	6/29/2022	7/8/2022	27/2022
2022410 22036	Published	S. SHANKAR M. Ramya Devi D.Satheesh Kumar Biju Balakrishnan Shanub Hussain K Sri Naveen Viswajith J Yedukrishnan O	OBJECT DETECTION AND RECOGNITION OF SCENE IMAGES USING FR-CNN AND KERAS CLASSIFIER	Hindusthan College of Engineering and Technology	4/13/2022	5/6/2022	18/2022
2022410 23039	Published	S.Shankar K.V.Sreelekha G.Deebanchakkarawarth i S.Sangeetha S.Lokesh Kishore M Kumara Guru Raj G Ponmani N	CROP HARVEST FORECASTING IN INDIAN AGRICULTURE USING MACHINE LEARNING APPROACHES	Hindusthan College of Engineering and Technology	4/19/2022	5/6/2022	18/2022
2022410 35974	Published	R. J. JAYA S. UMA S. SHANKAR B. DHIYANESH NAVEENKUMAR E	APPLICABILITY AND MANAGEMENT OF LUNG ULTRASOUND IN PATIENTS WITH COVID-19 DISEASE	Hindusthan College of Engineering and Technology	6/23/2022	7/1/2022	26/2022
2022410 37250	Published	J.JAYA S.UMA S.SHANKAR D.SATHEESH KUMAR	DATA POISON DETECTION USING ASSOCIATIVE SUPPORT-VECTOR MACHINE (ASVM) METHOD	Hindusthan College of Engineering and Technology	6/29/2022	7/8/2022	27/2022
2022410 32245	Published	J.JAYA S.UMA S.SHANKARM Ms. J. Ananthi SATYA LAKSHMIBANDARU	A MOBILE-BASED SYSTEM FOR DETECTING PLANT LEAF DISEASES USING DEEP LEARNING	Hindusthan College of Engineering and Technology	06/06/2022	10/06/20 22	23/2022
2022410 10316	Published	D SATHEESH KUMAR	IOT AND AI WITH CLOUD BASED IDENTIFICATION OF ACCIDENT-PRONE SITES USING AD-HOC NETWORKS AND RASPBERRY PI	Hindusthan College of Engineering and Technology	2/25/2022	3/4/2022	19/2022
2022410 35974	Published	J. JAYA S. UMA S. SHANKAR B. DHIYANESH NAVEENKUMAR E	APPLICABILITY AND MANAGEMENT OF LUNG ULTRASOUND IN PATIENTS WITH COVID-19 DISEASE	Hindusthan College of Engineering and Technology	6/23/2022	7/1/2022	26/2022
2022410 37250	Published	J.JAYA S.UMA S.SHANKAR D.SATHEESH KUMAR	DATA POISON DETECTION USING ASSOCIATIVE SUPPORT-VECTOR MACHINE (ASVM) METHOD	Hindusthan College of Engineering and Technology	6/29/2022	7/8/2022	27/2022


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2022410 22036	Published	S. SHANKAR M. Ramya Devi D.Satheesh Kumar Biju Balakrishnan Shanub Hussain K Sri Naveen Viswajith J Yedukrishnan O	OBJECT DETECTION AND RECOGNITION OF SCENE IMAGES USING FR-CNN AND KERAS CLASSIFIER	Hindusthan College of Engineering and Technology	4/13/2022	5/6/2022	18/2022
2022410 22961	Published	S.Shankar K.V.Sreelekha V.K. Reshma A.Jameer Basha Nivas Paul P Prabharan T Pradeep M Karthick Balaji T Neelakandan V	DEEP LEARNING CHANGE DETECTION IN REMOTE SENSING IMAGES USING A CONVOLUTIONAL NEURAL NETWORK	Hindusthan College of Engineering and Technology	19/04/2022	6/5/2022	18/2022
2019410 31693	Published	B.DHIYANESH	QUALITY HEALTHCARE AND REDUCED HEALTHCARE SPENDING ACHIEVED THROUGH ARTIFICIAL INTELLIGENCE AND BIGDATA	Hindusthan College of Engineering and Technology	8/6/2019	8/16/201 9	33/2019
2019410 35581	Published	B.DHIYANESH	PORTABLE AIR CONDITIONER FOR VEHICLES	Hindusthan College of Engineering and Technology	9/4/2019	18/10/20 19	42/2019
2019410 02364	Published	B.DHIYANESH	SYSTEM FOR OPTIMIZING EIGHT- DIMENSIONAL (8D) AUDIO SIGNALS IN A PAIR OF THREE- DIMENSIONAL (3D) SPECTACLES	Hindusthan College of Engineering and Technology	1/19/2019	1/25/201 9	07/2019
2019410 05202	Published	B.DHIYANESH	SMART SEAT BELT SYSTEM	Hindusthan College of Engineering and Technology	2/9/2019	2/15/201 9	07/2019
2019410 30758	Published	B.DHIYANESH	SYSTEM AND METHOD FOR COOKING FOOD ITEMS	Hindusthan College of Engineering and Technology	7/30/2019	9/8/2019	32/2019

AIML faculties are involved as reviewers in various journals. The sample journal list shown below:

Journal Name	Reviewer Name
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CMC- Computers, Materials & Continua	Dr. D. satheesh Kumar
Ad-Hoc & Sensor Wireless Networks	
Computer Systems Science and Engineering	
Intelligent Automation & Soft Computing	
Peer to Peer Networking and Applications	
Scientific Reports	
International Journal of Sensors, Wireless Communications and Control	
Telecommunication Systems	
Wireless Personal	

✚ The following AIML faculties are passed in NPTEL courses shown below:

Faculty Name	Course	Proof				
Dr. D. satheesh Kumar	Cloud Computing	 <p>Elite NPTEL Online Certification (Funded by the MoE, Govt. of India)</p> <p>This certificate is awarded to SATHEESH KUMAR D for successfully completing the course</p> <p>Cloud Computing with a consolidated score of 71 %</p> <table border="1"> <tr> <td>Online Assignments</td> <td>25/25</td> <td>Proctored Exam</td> <td>46.11/75</td> </tr> </table> <p>Total number of candidates certified in this course: 9640</p> <p>Jul-Oct 2022 (12 week course)</p> <p>Indian Institute of Technology Kharagpur</p> <p>Prof. Debjani Chakraborty Coordinator, NPTEL IIT Kharagpur</p> <p>swayam</p> <p>Roll No: NPTEL22CS8752448A558 To validate the certificate No. of credits recommended: 3 or 4</p>	Online Assignments	25/25	Proctored Exam	46.11/75
Online Assignments	25/25	Proctored Exam	46.11/75			

Dr. D. satheesh Kumar

Software Testing

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS1253323802
To:
SATHEESH KUMAR D
JICA KOTTAHANGALAM,
UDUMALPET (T.N.)
TIRUPPUR
TAMILNADU - 642011
PH. NO: 9789108168



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



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This certificate is awarded to
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for successfully completing the course

Software Testing

with a consolidated score of **62** %

Online Assignments **22.92/25** Proctored Exam **39/75**

Total number of candidates certified in this course: **898**

Prof. Jayanta Mukhopadhyay
Dean, Institute
IIT Kharagpur

Jan-Feb 2022
(4 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS1253323802

To validate and check scores: <https://npTEL.ac.in/moc>