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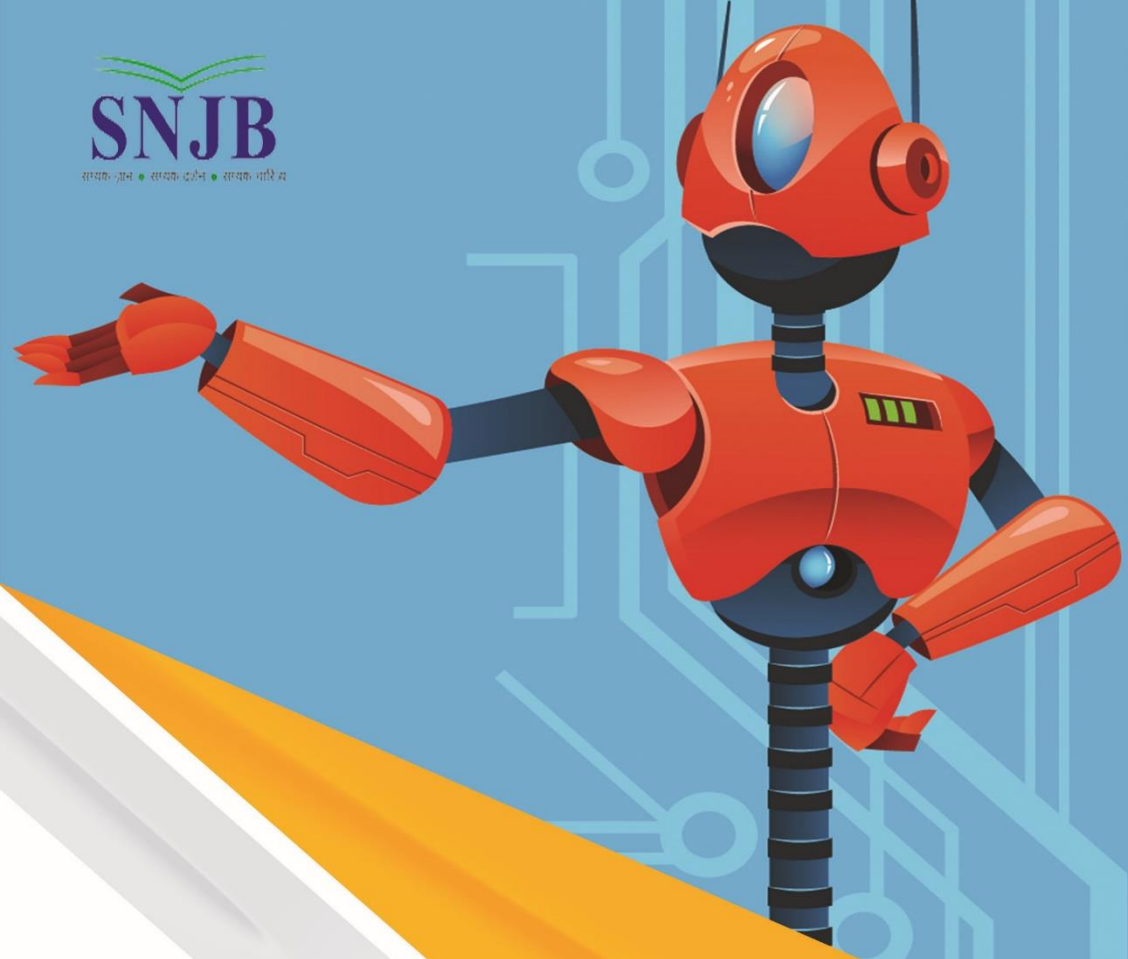

COMPUTER BUZZ

ESTD - 1928

VOL-7 ISSUE-2

DEPARTMENT OF COMPUTER ENGINEERING

SEMESTER-II

ACADEMIC YEAR 2021-22

STUDENT COMMITTEE COORDINATOR

BABHALE SHARVARI	BE COMPUTER
JAYASHRI PENDHARI	BE COMPUTER
KOTECHA PRACHI	TE COMPUTER
THAKUR MAYUR	TE COMPUTER
VYAS SAKSHI	SE COMPUER
MOHIT JAIN	SE COMPUTER

FACULTY COORDINATOR

Dr. M. R. SANGHAVI	CHIEF EDITOR
PROF. K. M. SANGHAVI	EDITOR (I/C)
PROF. R. R. BHANDARI	ASSOCIATE EDITOR

SNJB

SNJB's

Late Sau. Kantabai Bhavarlalji Jain

College of Engineering

(Jain Gurukul) Neminagar, Chandwad, Dist. Nashik (MS)

ESTD - 1928

VISION

Transform young aspirant learners towards creativity and professionalism for societal growth through quality technical education.

MISSION

- To share values, ideas, beliefs by encouraging faculties and students for welfare of society.
- To acquire the environment of learning to bridge the gap between industry and academics.
- To enhance diverse career opportunities among students for building nation.
- To transfer the suitable technology particularly for rural development.

|| गुरुकुल संस्कार एवम् आधुनिक शिक्षा ||

SNJB's

Late Sau. Kantabai Bhavarlalji Jain

College of Engineering

(Jain Gurukul) Neminagar, Chandwad, Dist. Nashik (MS)

ESTD - 1928

Department of Computer Engineering

VISION

To empower young generations for significant contribution in the field of computer engineering through excellence in knowledge, technical education and innovation to cater the industrial demands and societal needs.

MISSION

- To achieve academic excellence by inculcating basic and latest knowledge in which new idea flourish.
- To undertake collaborative training which offer opportunities for long term interaction with academia and industry.

|| गुरुकुल संस्कार एवम् आधुनिक शिक्षा ||

SNJB

SOURCE OF INSPRIATION

SHRI.DINESHKUMARJI
LODHA

SHRI. ZUMBARLALJI
BHANDARI

SHRI. SUNILJI
CHOPDA

DIRECTORS OF COLLEGE OF ENGINEERING

SOURCE OF MOTIVATION

DR. M. D. KOKATE
PRINCIPAL

DR. M. R. SANGHAVI
VICE-PRINCIPAL

SNJB

FROM HEAD OF DEPARTMENT CORNER

DR. M. R. SANGHAVI

It gives me great satisfaction to welcome you all on behalf of the entire Computer engineering department.

Happy to share the release of **Computer Buzz,**Vol-7 Issue-2. Dedication, Devotion and Determination are keys to success in any endeavor. With the due respect Department of Computer Engineering believe in the philosophy of "Learning by Doing".

It is heartening to see the transformational programs of our government such as Digital India, Skill India, Stand-Up India .In the same context our department has adopted the practical solutions based on **'Digital Theme'**.

This magazine is intended to bring out the hidden literary talents in the students and teachers to inculcate strong technical skills among them. I congratulate and thank all the students and faculty coordinator who have made untiring efforts to bring out this magazine. I wish them all the very best for releasing more such magazines in future.

INDEX

SR. NO	CONTENT	PAGE NO
1	EVENTS	1
2	STUDENT ACHIEVEMENT	7
3	STUDENT'S PUBLICATIONS	11
4	FACULTY INTERACTION OUTSIDE WORLD	12
5	STAFF ACHIEVEMENT	14
	INDUSTRIAL VISIT	17
6	INTERNSHIP BY STUDENT	18
7	PLACEMENT STATISTICS	20
	ALUMNI CORNER	24
8	NEWS AND COVERAGE MEDIA	26
9	ARTICLE BY STUDENTS: ROBOTICS AND ARTIFICIAL INTELLIGENCE	27

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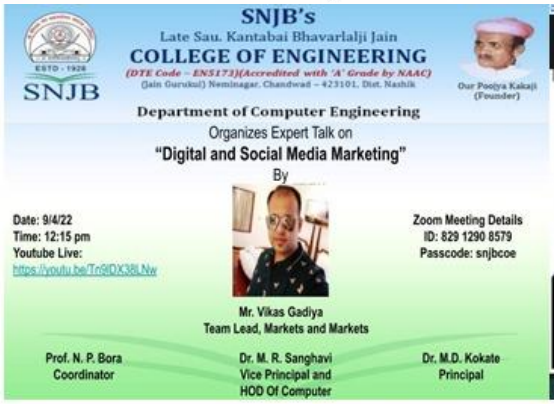
EVENTS

SR NO	NAME OF EVENT	DATE OF CONDUCTION	RESOURCE PERSON	EVENT COORDINATOR
1	Lab Model Design Competition	21/2/2022	SE TE BE Students	S B Ambhore and A. J. Shakadwipi
2	Session on IITs and NITs	21/2/2022 , 23/2/2022	D.R. Agarwal, D.P. Pawar, N.S. Khairnar, N.P. Bora, S.V. Sinha, M.D. Kawade	Dr. M.R. Sanghavi
3	Research/FDP/Workshop Funding Opportunities from Private Sector and Government	26/2/2022	Mr. Nikhil Kulkarni	Dr. K.R. Nirmal
4	Webinar on Understanding Financial Markets and Recognizing Opportunities	28/2/2022	Mr. Sujoy Das	K.M. Sanghavi
5	Application of AI and ML and its opportunities in Industries	11/3/2022	Dr. Parag Kulkarni	S.A. Chavan
6	Latest trends (Front End, Back End, Deployment, Framework) & Career Options & Opportunities	12/3/2022	Mr. Swapnil Aherrao (Alumni)	Prof. B. A. Khivsara & Prof. A. R. Brahmecha
7	Data Science using R and Python Programming	28 - 30 March 2022	Mr. Tushar B. Kute	Dr. Khyati R. Nirmal
8	Digital and Social Media Marketing	9/4/22	Mr. Vikas Gadiya	Mrs. N. P. Bora

EVENTS

Sr No	Name of Event	Date of Conduction	Resource Person	Event Coordinator
9	Hands on Version Control with Git	9/4/22	Mr. Mokshesh Dafariya	Dr. Mahesh R. Sanghavi
10	How to host website Freely	10/4/2022	Mr. Junaid Khaikh	Prof. B. A. Khivsara
11	How to host website Freely	10/4/2022	Mr. Junaid Khaikh	Prof. B. A. Khivsara
12	Session on difference between US and Indian Education System and Career Opportunities in US	12/4/2022	Me. Dharmesh Desai	Mr. R. R. Bhandari
13	Campus Recruitment Training by Aptitech Education for TE Computer	11/4/2022 to 25/4/2022	Samidha Bhagel	Prof. P.A.Kapse/ Prof. G.P. Dhomse
14	Ingredients for Successful Engineering Career	27/4/2022	Dr. R.G. Tathed	S.V. Sinha
15	Android App Development Using Java	2/5/2022	Mr. A.R. Bramhecha	Prof. M.D. Kawade and Prof. K.M. Sanghavi
16	Planning and Real time Application of AI	2/5/2022	Dr. Darshan V. Medhane	Neha P. Bora, Nilam S. Khairnar
17	Research Publications How and Why , Research Funding Schemes	21/5/2022	Dr. Manesh B Kokre	Dr. K.R. Nirmal, K.M. Sanghavi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COLLEGE OF ENGINEERING
(DTE Code – EN5173)(Accredited with 'A' Grade by NAAC)
(Jain Gurukul) Neminagar, Chandwad – 423101, Dist. Nashik
SNJB
Our Poojya Kakaji
(Founder)
Department of Computer Engineering
Organizes Expert Talk on
"Digital and Social Media Marketing"
By
Date: 9/4/22
Time: 12:15 pm
Youtube Live:
https://youtu.be/TnfjDK38LNw
Zoom Meeting Details
ID: 829 1290 8579
Passcode: snjbcoe
Mr. Vikas Gadiya
Team Lead, Markets and Markets
Prof. N. P. Bora
Coordinator
Dr. M. R. Sanghavi
Vice Principal and
HOD Of Computer
Dr. M.D. Kokate
Principal

Digital Privacy
Data
Individual Personal Information
Card Information
OTP's
IOT Fitbits

Internet Fastest Mobility

LinkedIn
foursquare
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twitter

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Department of Computer Engineering
ESTD - 1928
Organizing
Hands-on Version Control with Git
Schedule: 9th April, 2022 from 10.30am
LIVE
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MOKSHESH DAFARIYA
VP, Engineering at Leucine
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LATE SAU KANTABAI BHAVARLALJI JAIN

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COLLEGE OF ENGINEERING
NEMINAGAR, CHANDWAD DIST.NASHIK

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Latitude
20.3352241°
Longitude
74.2367117°
Local 11:05:10 AM
GMT 05:35:10 AM
Altitude 671.6 meters
Monday, 30-05-2022

SNJB's
Late Sau. K. B. Jain College of Engineering
Department of Computer Engineering
in Association with CSI Student Chapter
Organises

One-Day session on Research/FDP/Workshop funding opportunities from Government and Private sector

CEng. Nikhil Lilakar Kulkarni
Incubation Manager
KBCNMU Centre of Innovation, Incubation amd Linkages, Jalgaon

Day: Saturday Date :26th February 2022
Time: 12 Noon

Regards

Dr.K. R. Nirmal
Event Coordinator

Dr. M. R. Sanghavi
Vice-Principal & HOD (Comp/IT)

Dr. M. D. Kokate
Principal

SNJB's

Late Sau. K. B. Jain College of Engineering

Department of Computer Engineering

Organises

Expert Session on Topic:

Effective Research Paper Writing and Funding Schemes

Day: Saturday Date: 21st May 2022

Time: 10.00 AM

Dr. Manesh B. Kokare

Ph.D IIT Kharapur

Post-Doctorate University of California, USA

Prof. K. M. Sanghavi
Dr.K. R. Nirmal
Event Coordinator

Regards
Dr. M. R. Sanghavi
Vice-Principal & HOD (Comp/IT)

Dr. M. D. Kokate
Principal

STUDENT'S ACHIEVEMENT

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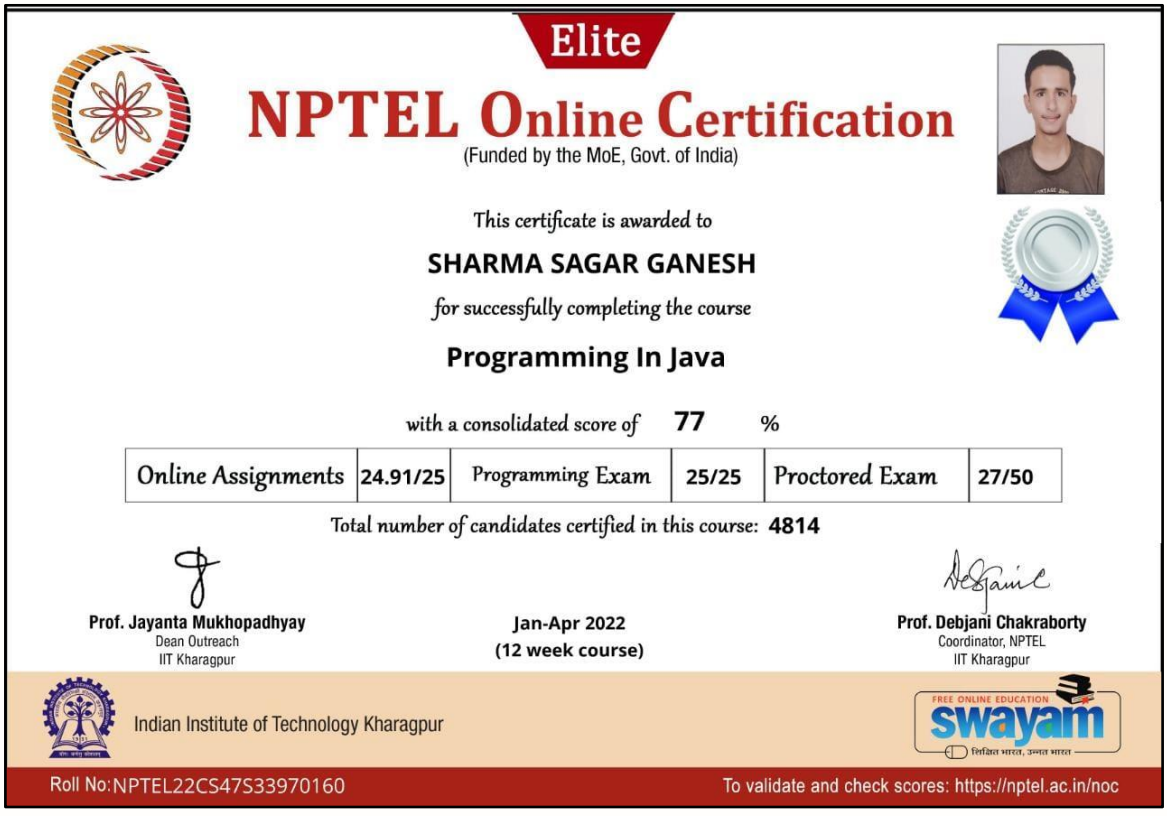
STUDENT'S ACHIEVEMENT

STUDENT'S ACHIEVEMENT

STUDENT'S ACHIEVEMENT



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Programming In Java

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Online Assignments	24.91/25	Programming Exam	25/25	Proctored Exam	27/50

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Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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To validate and check scores: https://nptel.ac.in/noc

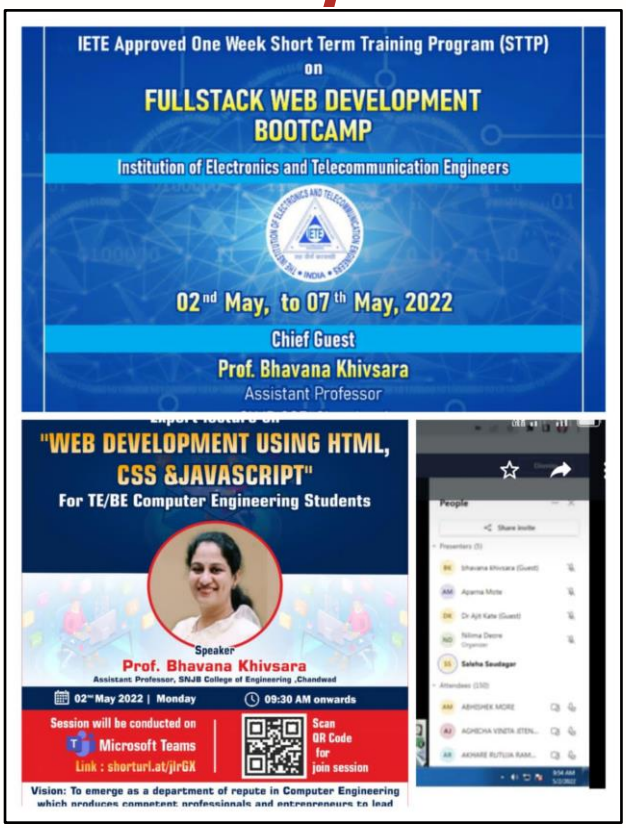
STUDENT'S PUBLICATION

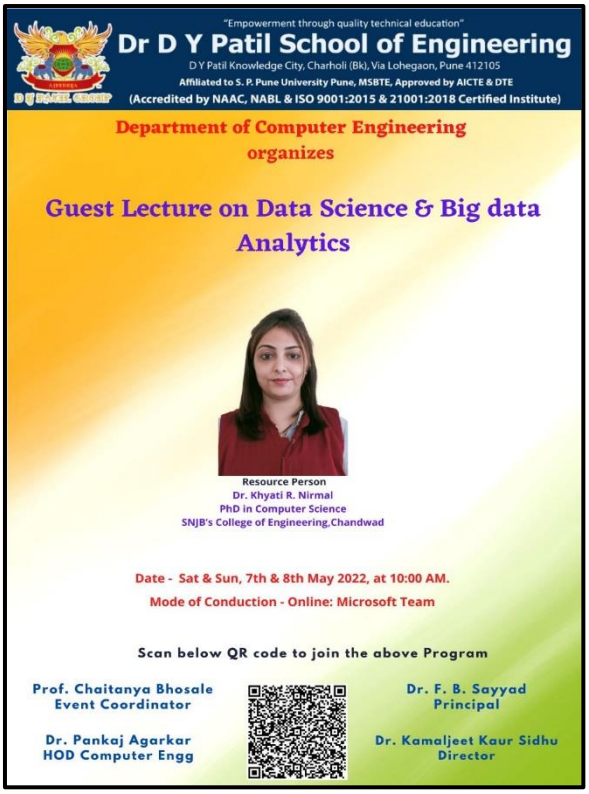
Sr. No	Name of Student	Guide Name	Date of Publication	Title of Paper	Name of Conference/Journal
1	Lokesh Pincha Rahul Battin Nayan Patodi	Guide: Prof. B. A. Khivsara	May 2022	A Review Paper on Tiffin Cart	International Research Journal of Engineering and Technology (IRJET)| Volume: 09 Issue: 05
2	Pamul Mishra Himanshu Shah Pratiksha Gaikhe kajal Dagade	Guide: Prof. N. P. Bora	May 2022	College Online Education System	International Research Journal of Engineering and Technology (IRJET)| Volume: 09 Issue: 05
3	A Review Paper on Smart Tourism Guide	Guide: Prof. B. A. Khivsara	May 2022	A Review Paper on Smart Tourism Guide	IRJMETS, e-ISSN: 2582-5208, Volume:04/Issue: 05/May-2022

Faculty Interaction Outside World

Sr. No	Name	Date	Topic Name	Name of College/ Institute/Any other...
1	Dr. M.R. Sanghavi	12/7/2021	Digital Transformation	Srivenkateshwaraa College of Engineering & Technology, Ariyur, Puduchery
2	Dr. M.R. Sanghavi	25/8/2021	Operating Systems	K. K.Wagh Institute of Engineering Education and Research, Nashik
3	Dr. M.R. Sanghavi	13/9/2021	Digital Transformation	AISSMS IOIT, Pune
4	Dr. M.R. Sanghavi	25/10/2021	Blog Creation using WordPress	Students & Faculties of SIEM CoE, Nashik
5	Dr. M.R. Sanghavi	9/12/2021	Effective Tools for Teachers	Dr. Panjabrao Deshmukh Polytechnic, Amravati, Maharashtra. of Polytechnic
6	Dr. K.R.Nirmal	29/11/2021	One Day Hands on Workshop on LaTex	Late G.N.Sapkal College of Engineering, Anjaneri, Nashik
7	Dr. K.R.Nirmal	3/12/2021	“LaTeX :Report writing tool, Overleaf”	NDMVP's KBT College of Engineering, Nashik
28	Bhavana A. Khivsara	23-24/11/2021	Classification Techniques	Dr. D.Y. Patil COE, Pune
9	Bhavana A. Khivsara	06/12/2021	Advanced Analytics Tools & Techniques	AVCOE, Sangamner
10	Bhandari Rajiv R.	16/10/2021	Recent Trends in IoT	SIEM Nashik
11	Bhandari Rajiv R	11/11/2021	Hands on session on Wordpress Blog	AMT Skill Enhancement Institute, Nashik
12	Bhandari Rajiv R	27/12/2021	One Day Workshop on Open Source Computer Networking Tool	Matoshri College of Engineering & Research Centre, Nashik
13	Rajnor Dnyaneshwar S	27/09/2021	Message passing interface in High Performance Computing	Zeal Education Society's, Zeal College of Engineering & Research, Pune.
14	Dhomse Ghanshyam P.	30/11/2021	Cucumber BDD Framework	NDMVP College Of Engineering Nashik
15	Dhomse Ghanshyam P.	18/11/2021	Googling Google	AMT Skill Enhancement Institute, Nashik
16	Madhuri D. Kawade	2/12/2021	Google Doc	AMT Skill Enhancement Institute, Nashik
17	Nilam S. Khairnar	29/10/2021	"Understanding Polymorphism using C++"	ZEAL COE Narhe Pune

Faculty Interaction Outside World





STAFF ACHIEVMENTS

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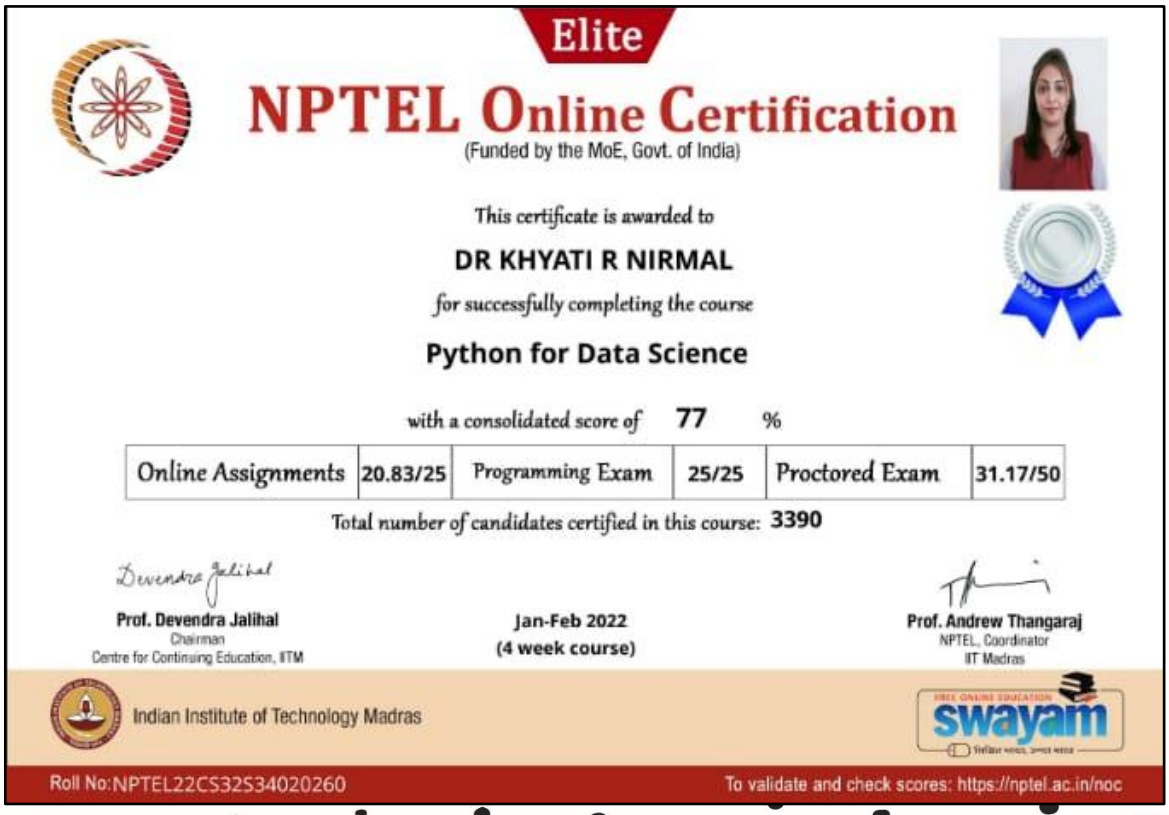


STAFF PATENT

Dr. Khyati R Nirmal has published Patent on

Artificial Intelligent and Open CV based intelligent Bird Journeys Tracking and migration forecasts in real-time using Python Language

dated on **28/1/2022** with **Application No: 202241002106A**

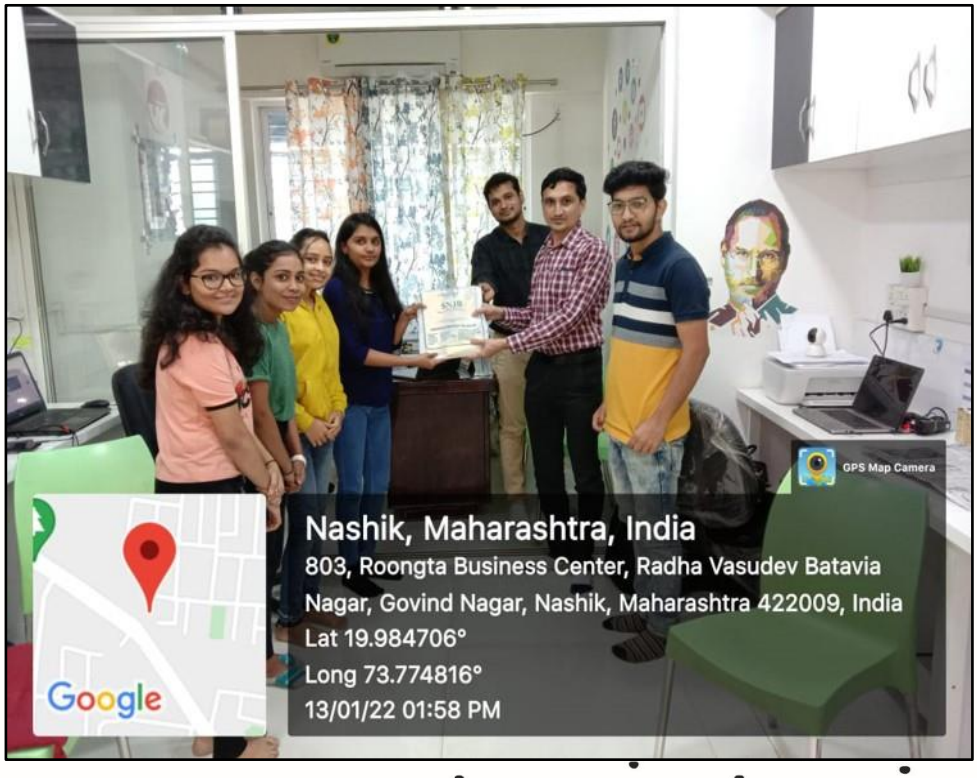
Industrial Visit

Industrial Visit to Netwin Infosolutions Pvt Limited Nashik dated on 27/4/2022

Internship by Students

Sumago Infotech Nashik

UK Vally Nashik



Internship

R3 Infosystem, Nashik

Sumago Infotech Nashik

PLACEMENTS

Sr.No	Name of Student	Company Name	Designation	Package (LPA)
1	SHINDE SWATI DIPAK	TCS	System Engineer	7.01
		TCS	System Engineer	3.36
2	CHAVAN GAURAV VIJAY	WIPRO	Project Engineer	3.5
		Hexaware Technologies	Graduate Engineer Trainee	4
		Infosys	System Engineer	3.6
3	GADE MAYURI DINKAR	TCS	System Engineer	3.36
		WIPRO	Project Engineer	3.5
		Hexaware Technologies	Graduate Engineer Trainee	4
4	KATARIYA ARTI SURESH	TCS	System Engineer	3.36
		Capgemini	Analyst	4
		Hexaware Technologies	Graduate Engineer Trainee	4
5	LOHADE RUTIK RAVINDRA	TCS	System Engineer	3.36
6	MUNOT MRUNAL RISHABH	TCS	System Engineer	3.36
		ZENSAR	Software Developer	4
7	CHUTTARMUTHA ANAND SANJAY	TCS	System Engineer	3.36
		Infosys	System Engineer	3.6
8	PATIL PRIYA SURESH	TCS	System Engineer	3.36
		Capgemini	Analyst	4
9	SHEWALE ASHVINI JEEVAN	TCS	System Engineer	3.36
		ZENSAR	Software Developer	4
10	PENDHARI JAYASHRI RAMESH	WIPRO	Project Engineer	3.5
		Capgemini	Analyst	4
		Infrasoft Technologies limited	Trainee Associate Consultant	5
11	SALUNKE NIKITA SANJAY	WIPRO	Project Engineer	3.5
12	SANT KARTIK SAHEBRAO	WIPRO	Project Engineer	3.5
		MindTree	Engineer	4
13	SIDDHANT PAHADE	WIPRO	Project Engineer	3.5
14	PAGARIYA SANDESH SUDHIR	WIPRO	Project Engineer	3.5
		ZENSAR	Software Developer	4
		Capgemini	Analyst	4
15	KELHE AKSHAY MOHAN	WIPRO	Project Engineer	3.5

PLACEMENTS

Sr.No	Name of Student	Company Name	Designation	Package (LPA)
16	KELHE ROHAN MOHAN	WIPRO	Project Engineer	3.5
		Capgemini	Analyst	4
		Persistent	Software Engineer	4.71
17	SHELAR DARSHAN PRADIP	WIPRO	Project Engineer	3.5
18	AHER ARCHANA RAJARAM	WIPRO	Project Engineer	3.5
19	JADHAV SHUBHANGI RAJENDRA	WIPRO	Project Engineer	3.5
		Capgemini	Analyst	4
		Infrasoft Technologies limited	Trainee Associate Consultant	5
20	BABHALE SHARVARI SANJIV	WIPRO	Project Engineer	3.5
		ZENSAR	Software Developer	4
21	SAMKIT NITINRAJ KOTHARI	ZENSAR	Software Developer	4
		Hexaware Technologies	Graduate Engineer Trainee	4
		Infosys	System Engineer	3.6
22	WYAVHARE AKASH RAJENDRA	ZENSAR	Software Developer	4
23	RAJPUT SOURABHSINGH MAHENDRASINGH	ZENSAR	Software Developer	4
24	JAIN ESHA SANDEEP	WINJIT	Software Developer	4.3
		Capgemini	Analyst	4
		Jade Global	Software Developer	3.8
25	SHAH DHRUTI PARAS	Hexaware Technologies	Graduate Engineer Trainee	4
		Infosys	System Engineer	3.6
26	POOJA DEEPAK SANGHAVI	WIPRO	Project Engineer	3.5
		JARO	Graduate Trainee	6.6
27	MAWAL VRUSHALI NANDKUMAR	Quality Kiosk	Digital Qulaity Engineer	2.25
		Capgemini	Analyst	4
28	PATIL MAYUR VIJAY	Capgemini	Analyst	4
		MindTree	Engineer	4
29	JAIN MAMATA KISHOR	Capgemini	Analyst	4
		Capgemini	Analyst	4
30	CHHAJED NIHARIKA MAHAVIR	Hexaware Technologies	Graduate Engineer Trainee	4
		Infrasoft Technologies limited	Trainee Associate Consultant	5

PLACEMENTS

Sr.No	Name of Student	Company Name	Designation	Package (LPA)
31	BHALGAT PRATHAMESH DHANESH	Capgemini	Analyst	4
		Infosys	System Engineer	3.6
32	LOKESH MAHAVEERCHAND PINCHA	Atos Syntel	Associate Consultant	3.4
		Infosys	System Engineer	
33	GANDHI RUSHABH ASHISH	Quality Kiosk	Digital Qulaity Engineer	2.25
		Infosys	System Engineer	3.6
34	SONAR SANJANA GOPAL	Aress	Trainee Software Engineer	4.5
35	PATNI VIRTI MANISH	Infosys	System Engineer	3.6
36	GAIKHE PRATIKSHA EKNATH	Aress	Trainee Software Engineer	4.5
37	GANGURDE SAKSHI DATTU	Infosys	System Engineer	3.6

OUR RECRUITER

wipro

Capgemini

Hexaware TECHNOLOGIES

ZenSar

Infosys®

ALUMNI CORNER

ALUMNI CORNER

Mr. Saurabh Kothari got admitted for MS Course in Brunel University London

ALUMNI CORNER

Startup by Mr. Antriksh Sancheti (Alumni Computer)

MEDIA AND COVERAGE

आपलं महानगर

एसएनजेबी अभियांत्रिकीत विद्यार्थ्यांचे स्वागत

चांदवड । येथील श्री नेमिनाथ जैन ब्रह्मचर्याश्रम संचलित स्व. सौ. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयातील संगणक विभागातील स्पेस स्टुडंट असोसिएशन व सीएसआय नाशिक यांच्या संयुक्त विद्यमाने द्वितीय व तृतीय वर्षातील विद्यार्थ्यांसाठी स्वागत समारोहाचे आयोजन केले होते. यामध्ये अंतिम वर्षातील विद्यार्थ्यांनी तृतीय वर्षातील विद्यार्थ्यांचे व तृतीय वर्षातील विद्यार्थ्यांनी द्वितीय वर्षातील विद्यार्थ्यांचे स्वागत केले. कार्यक्रमाचे आयोजन स्पेसचे प्रमुख प्रा. संतोष अंभोरे व प्रा. अमोल शाकद्वीपी यांनी संगणक विभाग प्रमुख व उपप्राचार्य डॉ. महेश संघवी, प्राचार्य डॉ. एम.डी. कोकाटे यांच्या मार्गदर्शनाखाली केले. कार्यक्रमाचे यशस्वी आयोजन केल्याबद्दल संस्थेच्या विश्वस्त समितीचे अध्यक्ष बेबीलाल संचेती, विश्वस्त समितीचे उपाध्यक्ष व महाविद्यालयाचे समन्वयक दिनेशकुमार लोढा, सेक्रेटरी जवाहरलाल आबड, प्रबंध समितीचे अध्यक्ष अजितकुमार सुराणा, उपाध्यक्ष अरविंदकुमार भन्साळी, समन्वयक झुंबरलाल भंडारी, सुनीलकुमार चोपडा आदींनी अभिनंदन केले.

Nashik Edition
Mar 13, 2022 Page No.
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आपलं महानगर

QUICK न्यूज

प्रा. नेहा बोरा यांना उत्कृष्ट शिक्षक पुरस्कार

चांदवड । येथील स्व. सौ. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयातील संगणक विभागातील प्रा. नेहा प्रद्युन्न बोरा यांना इंडियन असोसिएशन ऑफ एज्युकेशन प्रोफेशनल्स या संस्थेद्वारे शैक्षणिक क्षेत्रात भरीव कामगिरी केल्याबद्दल सर्वोत्कृष्ट शिक्षक पुरस्कार प्रदान करून सन्मानित करण्यात आले. त्यांच्या या यशाबद्दल संस्थेच्या विश्वस्त समितीचे अध्यक्ष बेबीलाल संचेती, उपाध्यक्ष व महाविद्यालयाचे समन्वयक दिनेशकुमार लोढा, सेक्रेटरी जवाहरलाल आबड, प्रबंध समिती अध्यक्ष अजितकुमार सुराणा, उपाध्यक्ष अरविंदकुमार भन्साळी, समन्वयक झुंबरलाल भंडारी, सुनीलकुमार चोपडा, प्राचार्य डॉ. एम.डी. कोकाटे, उपप्राचार्य डॉ. एम. आर. संघवी, सर्व विभाग प्रमुख प्राध्यापक, शिक्षक-शिक्षकेतर कर्मचारी व विद्यार्थी - विद्यार्थिनींनी प्रा. नेहा बोरा

महाराष्ट्राचे एकमेव स्वतंत्र वृत्तपत्र

दिव्य मराठी

नाशिक जिल्हा

नाशिक, बुधवार, १ जून २०२२ | ज्येष्ठ शु. २, शके १९४४

चांदवड अभियांत्रिकीत प्राध्यापकांसाठी व्याख्यान

चांदवड । येथील एसएनजेबी संचालित स्व. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयातील संगणक विभागातर्फे प्राध्यापकांसाठी 'प्रभावी संशोधन लेखन व संशोधन निधी योजना' या विषयावर एकदिवसीय व्याख्यानाचे आयोजन करण्यात आले होते. शिक्षणामध्ये लवचिकता आणण्यासाठी नवीन राष्ट्रीय शैक्षणिक धोरण मंजूर करण्यात आलेले आहे. यात संशोधनाला जास्त वाव देण्यात आलेला आहे. त्या अनुषंगाने प्राध्यापकांना प्रशिक्षण देण्यासाठी या व्याख्यानाचे आयोजन करण्यात आल्याचे याविषयी माहिती देताना प्राचार्य डॉ. कोकाटे यांनी सांगितले. यावेळी डॉ. मनीष कोकरे यांनी शैक्षणिक तांत्रिक लेखन कौशल्य वाढविणे, संशोधनाची नैतिकता समजून घेणे याविषयी प्राध्यापकांना मार्गदर्शन केले. कार्यक्रमाचे संयोजन डॉ. ख्याती निर्मल व प्रा. के. एम. संघवी यांनी केले.

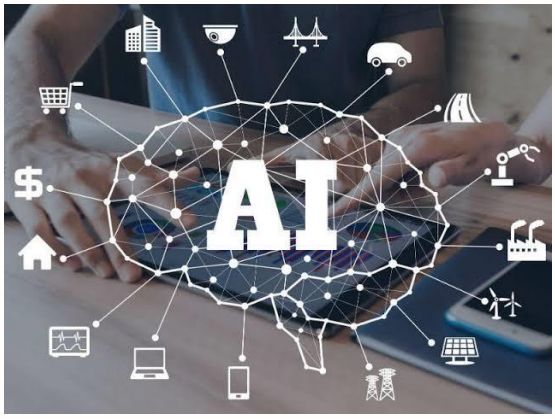
ARTICLE ON
ARTIFICIAL INTELLIGENCE IN CYBER SECURITY
- SAGAR SHARMA, TE-COMP B, SNJB'S COE, CHANDWAD

Living during a digital world with tremendous advancement in the world of technology is at a very high level where every single device is connected to the internet with the internet of things (i.e. IoT). Since technology is reaching a high-level day by day, issues associated with cyber security are also increasing, becoming one among the biggest factors to be worried about. People are becoming digital citizens and are being more connected to the internet than ever, which is leading to security attacks, breaches in security and plenty more threats in cyberspace that are becoming more and more difficult to handle by humans alone. there's a need for protection from these cyber threats and to be secured. This article will introduce how the problems of cyber security can be efficiently resolved using the strategies involving Al.

Today artificial intelligence has already entered fields like Industries, Hospitals and Medicines, Aviation Human Resources, Government, Marketing, media, E-commerce, Gaming and Cyber security which may be a need in today's digital world. Al is heavily utilised in robotics. Advanced robotic arm and other industrial robots, widely utilised in modern factories, can learn from experience the way to move efficiently despite the presence of friction and gear slippage. Not just the corporates but also the govt sectors are also trying to master AI and Machine Learning for the protection of data and creating more opportunities in the respective field. The thought of creating and using artificial intelligence is to make human lives easier. Development of AI has begun with the intention of developing Intelligence in machines similar to that of humans.

Al allows you to automate the detection of threat and which is completed without any involvement of the humans. With the advancements in Al, many companies have begun to use it as a powerful weapon against cyber-attacks and breaches. Numerous computing methods of Al like Computational Intelligence, Neural Networks, Machine Learning, data processing , Pattern Recognition, symbolic logic , Heuristics, Artificial Immune Systems Intelligent Agents etc. are increasingly playing an important role in cyber-crime detection and security.

METHODS/TECHNIQUES USED OF AI IN CYBER SECURITY



Methods used of AI in Cyber

EXPERT SYSTEMS

An Expert System basically refers to a computing system that replicates the decision-making ability of a human being. Expert system may be a popular Al tool which is a best example of a knowledge-based system. It can be shortly introduced as programming for discovering answers to inquiries in some application area displayed either by user or by another product. The safety expert systems precisely follow a set of protocols to battle cyber threats.

NEURAL NETS

Neural Nets are a complicated part of Artificial Intelligence. It's also said to be deep learning. Neural nets or artificial neural networks are inspired from biological neural networks or functions and dealing of the human brain. The human brain features a large number of neurons, which are to an excellent extent general purpose and independent of domain, they will take in any kind of information. In 1957 Frank Rosenblatt created a man-made neuron (Perceptron) which introduced the concept of neural networks. Once we practically apply this deep learning or neural nets into cyber security, the system can identify whether a file is malicious or legitimate without human interference. This reduces human efforts.

INTELLIGENT AGENTS

Intelligent agent may be a system that perceives its environment and takes actions to maximize its chances of success. Computer Agents (software or hardware) are designed to perform operations computationally demanding tasks like information filtering, classification, pattern/trend analysis then on. Intelligent agents can collect data, analyze it and perform harder tasks where machines need to sense human intentions and decoding crucial information. In the future, this sort of system can help law enforcement in detecting and eliminating cyber threats, abuse, spam.

CONCLUSION

Artificial intelligence will help us in reducing cyber threats and the chance of reaching accuracy with a greater degree of precision is a possibility. Detecting complex security incidents is going to be easier without involvement of humans which will reduce human efforts. In future, we may have the cleverest frameworks using these AI methods. AI is going to be considered as a silver bullet to fight against cyber-crimes which will ease administration.

- SAGAR GANESH SHARMA

TE COMPUTER