SVKM's Institute of Technology, Dhule
Department of Computer Engineering

Academic Year : 2021-22

Faculty Achievement

Sr. No.	Achievement Title	Number
1	Paper Publication in Scopus Journal	04
2	Patient Filled	07
3	Mentoring in SIH 2022 (First Prize Winner)	01
4	Evaluator in SIH 2022	01

SVKM's Institute of Technology, Dhule
Department of Computer Engineering
Academic Year : 2021-22

Sr. No.	Name of Faculty	Role	Event	Organized By
1	Dr. Makarnd Shahade	Session Chair	International Conference for Adavancement in Technology (ICONAT) 21-22 Jan 2022	Rajarambapu Institute of Technology & IEEE Bombay
2	Dr. Makarnd Shahade	Resource Person	Online Two Week STTP on "Recent Trends of Machine Learning and Sata Science" 17-28 January 2022	College of Engineering and Technology Akola in Assocciation with CSI Amravati
3	Dr. Makarnd Shahade	Technical Committee Member	First IEEE International Conference on Computing,Communication anf Greeen Engineering 2021(CCGE'21) 23-25 September 2021	JSPM's Rajarshri Shahu College of Engineering Pune
4	Dr. Makarnd Shahade	Participation	Industry Institute Symposium on "Enhancing Employability & Employment of Engineering Graduates Through Implementation of NEP 2020" on 10 July 2021	Thakaur College of Engineering and Technology Mumbai
5	Prof. Mayuri Kulkarni	Reviewer	International Conference on Communication ,Information and Computing Technology 2021(25-26 June 2021)	Sardar Patel Institute of Technology Mumbai
6	Prof.Khalid Alfatmi	Convenor and Resource Person	Online workshop on "Data Visualization using Python and Tableau"	SVKMS IoT Dhule
7	Prof. Bhushan Nandwalkar	Coordinator	Webinar of AI Spectrum on 07 Oct 2021	SVKMS IoT Dhule
8	Prof. Ashish Awate	Session Chair	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th December 2021	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th Decembe 2021
9	Prof. Ashish Awate	Reviewer	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th December 2021	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th Decembe 2021
10	Prof. Ashish Awate	coordinator	Tabule workshop	
11	Prof. Ashish Awate	coordinator	Webinar of ML and DL	19 sept 2021 SVKM IOT DHule
12	Prof. Ashish Awate	Resource Person	"Preparing GATE 2021"	Expert Talk on "Preparing GATE 2021" on dated 18 Sept 2021
13	Prof.Tukaram Gawali	Session Chair	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th December 2021	
14	Prof.Tukaram Gawali	Reviever	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th December 2021	
15	Prof. Mayuri Kulkarni	Coordinator and Resource Person	Application of IoT in Innovation	Application of IoT in Innovation 2 Feb 2022 IIC Activity
16	Prof. Mayuri Kulkarni	Coordinator	One Day Workshop Online repository creation	It is a one-day online workshop und the SVKM's IoT's IIC.
17	Prof. Mayuri Kulkarni	Coordinator	"Preparing GATE 2021"	Expert Talk on "Preparing GATE 2021" on dated 18 Sept 2021

18	Prof. Ranjit Fule	Coordinator	One Day Workshop on GitHub & Azure - Code to Cloud	organized by SVKM's IoT and Microsoft under the MoU betwe SVKM's IoT and Microsoft
19	Prof. Ranjit Fule	Coordinator	One Day Workshop Online repository creation	It is a one-day online workshop ur the SVKM's IoT's IIC.
20	Prof. Ranjit Fule	Coordinator	One Week STTP Program on Salesforce Technology	It is a one week training prograr jointly organized by Dept. of Computer Engineering, SVKM's I Dhule and Net Gyani IT Service F Ltd.
21	Prof.Khalid Alfatmi	Convenor and Resource Person	Online workshop on "Data Visualization using Python and Tableau"	SVKMS IoT Dhule
22	Prof. Bhushan Nandwalkar	Coordinator	Webinar of AI Spectrum on 07 Oct 2022	SVKMS IoT Dhule
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24	Prof. Ashish Awate	Reviewer	Virtual International Conference on EMERGING TRENDS IN INTELLIGENT COMPUTING (ICETIC'21) 23rd - 24th December 2021	Virtual International Conference EMERGING TRENDS IN INTELLIGENT COMPUTINC (ICETIC'21) 23rd - 24th [illegible]mb 2021
25	Prof. Ashish Awate	coordinator	Tabule workshop	

Prepared By
Ms. Mayuri Kulkarni

HOD
Dr.Makarand Shahade

Review Article | Published: 22 December 2021

Machine Learning Algorithms for Analysis and Prediction of Depression

Mohini Kilaskar, Neha Saindane, Nabeel Ansari, Dhaval Doshi & Mayuri Kulkarni

SN Computer Science **3**, Article number: 103 (2022)

Abstract

Today, depression is one of the critical mental health problems faced by humans of all ages and gender. In this era of increasing technology, it causes a life of less physical work, continuous pressure on one's life, which creates a risk of intellectual disturbance. The work culture, peer pressure, stressful life, emotional imbalance, family disturbances, and social life are resulting in depression. Depression may also sometimes lead to a heart attack. Depression causes adverse effects and becomes a serious medical problem in how individuals feel and act in everyday life. This psychological state causes feelings of sadness, anxiety, loss of interest in things and jobs, and could barely result in suicide. In this paper, the analysis of different Machine Learning Algorithms has been done and compared them by selecting various parameters and then showing which algorithm is more accurate for predicting depression.

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Mohini Kilaskar, Neha Saindane, Nabeel Ansari, Dhaval Doshi & Mayuri Kulkarni

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Ethics declarations

Conflict of Interest

The authors declare that they have no conflict of interest.

Additional information

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Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This article is part of the topical collection “Intelligent Computing and Networking” guest edited by Sangeeta Vhatkar, Seyedali Mirjalili, Jeril Kuriakose, P.D. Nemade, Arvind W. Kiwelekare, Ashok Sharma and Godson Dsilva.

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About this article

Cite this article

Kilaskar, M., Saindane, N., Ansari, N. *et al.* Machine Learning Algorithms for Analysis and Prediction of Depression. *SN COMPUT. SCI.* **3**, 103 (2022). https://doi.org/10.1007/s42979-021-00967-0

International Journal for Performability Engineering

Published by Totem Publisher

Int J Performability Eng (http://www.ijpe-online.com) ›› 2022 (http://www.ijpe-online.com/EN/article/showTenYearVolumnDetail.do?nian=2022), Vol. 18 (http://www.ijpe-online.com/EN/article/showTenYearVolumnDetail.do?nian=2022) ›› Issue (3) (http://www.ijpe-online.com/EN/volumn/volumn_245.shtml): 176-187. doi: 10.23940/ijpe.22.03.p4.176187 (https://doi.org/10.23940/ijpe.22.03.p4.176187)

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Analysis of Data Handling Challenges in Edge Computing

Sukruta Pardeshi*, chetana Khairnar, and Khalid Alfatmi

PDF

8

Abstract

Abstract: Traditional Cloud Computing networks are intensely centralized in which the data is collected at the edges and transmitted back to the central network servers for computation. Due to the dramatic increase of IoT devices, such edges lack the computational power to handle the data collection and storage over the network because of the assumption of devices located closer to the edges. Edge Computing (EC) broadens the cloud computing characteristics of gathering, storing, processing, and analyzing a massive amount of data by locating services close to the edge of the network. Yet, the unique features of Edge Computing have introduced several challenging issues in the data handling process. The paper provides an overview of the data handling challenges faced in the Edge Computing network. It defines the fundamentals of Edge Computing - the basic architecture, how it's different from Cloud Computing, its applications, and discusses the threats encountered in Edge Computing. There are various challenges experienced in EC while storing, managing, and analyzing data over the network through different local Edge Nodes. This paper summarizes the solutions to the proposed problems in EC through different machine learning and deep learning algorithms. It also provides future research directions in edge computing.

Key words: edge computing, machine learning, deep learning, cloud computing, IoT

References

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New Approach for Online Examination Conduction System Using Smart Contract

Publisher: IEEE

Mayuri Diwakar Kulkarni ; Khalid Alfatmi All Authors

Abstract: Today's era is the smart era where every person is trying to execute the process smartly. Then how the education system will be in a back place. The online conduction of ... **View more**

Metadata

Abstract:
Today's era is the smart era where every person is trying to execute the process smartly. Then how the education system will be in a back place. The online conduction of courses either by engaging online classes or by introducing the MOOC courses. This made learning easier but the major concerning issue in the online system is the conduction of online examination. This paper discusses the current treads in an online examination system as well as the new approach introduced for smooth conduction of online examination at any place anywhere at any time. This new approach is based on blockchain technology such as the smart contract. The smart contract will be helpful to the universities, institutes for conduction of online examination at any place at any time. This will keep regress monitoring on the examinee such as posture analysis as well as control panel processes. By using Compare Hash And Password() the authentication of the examinee password will be possible. GoCV package is used to authenticate the examinee through video capturing. dlib toolkit used to monitor the continuous posture of the examinee during the examination.

Systems and Network Technologies (CSNT)

Date of Conference: 18-19 June 2021 INSPEC Accession Number:

Date Added to IEEE *Xplore*: 12 August 2021

ISBN Information:

Print on Demand(PoD) ISSN: 2329-7182

21079096

DOI: 10.1109/CSNT51715.2021.9509683

Publisher: IEEE

Conference Location: Bhopal, India

Contents

In the digital era, we are moving towards all the work in an online manner. The same thought process is recommended in the examination system. But to conduct the examination online at the examinee's place is not possible in the current examination system. This is because of the possible malpractices used by the examinee. For that online examination come up with a solution such as the examination centers. On these centers, the mode of examination was online either using some preinstalled software or on websites on the intranet. And to avoid malpractices in an examination system the invigilators are appointed. Then only replacing the paper and pen to use the only computer is an online examination?

STUDENTS ATTANDANCE TRACKER TO NOTIFY THE TEACHERS AND PARENTS USING MACHINE LEARNING

Dr. Makarand Shahade
Associate Professor, Department of Computer Engineering, SVKM's Institute of Technology, Dhule-424001, India

ABSTRACT

Our Research" Students Attendance Tracker to notify the Teachers and Parents using Machine Learning" is a Computerized Attendance Management and Alert System (AAMAS)" was created to assist UiTM instructors and Academic Affairs Department in checking understudies' non-attendance and working on the non-appearance with recording the board. AAMAS gives different capacities, from overseeing and recording understudies' participation record, to sending programmed cautions to understudies with high truancy by means of short informing framework (SMS) and email. The framework is likewise ready to follow the quantity of alarms sent. Through AAMAS, a lot of time and cash can be saved, for example time expected to finish up structures and issue warning letters physically can be limited fundamentally. In addition, message capture, HR and human mistakes can likewise be decreased. AAMAS which was customized to UiTM could be likewise improved and specially crafted to cook other learning organizations' prerequisites all through Malaysia.

KEYWORDS: automated, management, system development, Students, Attendance, Tracker, Teachers, Parents, Machine Learning.

1. INTRODUCTION

These days, truancy from addresses by the college understudies gives off an impression of being a not kidding issue. As per [1], it shows that there is a huge positive connection between participation to class and college understudy's presentation. This shows that college understudies who come to class all the more oftentimes will have better outcomes. Non-appearance prompts low scholarly accomplishments, yet may likewise add to high dropout rates.

In the current practice, understudies will be given verbal update by their speakers assuming they neglected to go to two meetings of classes with no legitimate explanation. Then, the separate gatekeepers will get a notice letter gave by HEA once the non-attendance comes to 10%. Afterward, when it arrives at 20%, another warning letter will be given which demands the understudy to present a show cause letter. An inability to do so may bring about the understudy being banished from sitting the last assessment.

There are situations where guardians or gatekeepers raised an issue that they were not being informed or they got late notices with respect to the non-appearance of their youngsters. Presently, the warning is being conveyed by snail mail to the understudies' enrolled address. The conceivable reason for warnings conveyance disappointment could be because of progress of address or the actual understudies get the letter and didn't advance it to the guardians.

In UiTM, the interaction to monitor understudies' participation is done physically by every teacher showing a particular course. Each opportunity an understudy comes to class, the person in question should put down her mark on the participation sheet as a proof of going to the class. The teachers need to work out the level of non-appearance of the understudies to recognize understudies that arrive at specific rates. This cycle is monotonous, particularly for an enormous number of understudies. This will take times and bunches of work to flips the whole participation list for each understudy.

As cell phone is nearly considered as one mandatory device for college understudies, there is an incredible potential to use short message administration (SMS) updates for fostering a mechanized framework to work on understudies' participation in college. SMS update have various qualities that make it appropriate to be utilized as a participation alert including direct correspondence, protection, secrecy and quicker conveyance of messages and receipt of reactions. SMS informing innovation likewise permits the transmission of significant quantities of messages at the same time, henceforth diminishing HR and human blunders.

DOI: 10.11720/JHIT.54042022.5

2. OBJECTIVES OF THE STUDY

Roused by the foundation study from the writing where there were many cases referencing the benefits of fostering a robotized framework to send cautions through SMS, consequently we might want to propose a computerized framework to oversee and facilitate the current issue looked in dealing with understudies' participation and sending warnings to understudies and watchmen in UiTM.

The fundamental goal of this study is to foster a robotized framework which is fit:

- To smoothen the administration report of the understudies' non-appearance to the class.
- To give early notice by sending a SMS (and email) to the understudies and guardians oncurrent status of non-appearance to the class.

In view of the goals illustrated above, we will name the framework as Automated Attendance Management and Alert System (AAMAS).

3. DEVELOPMENT

To foster this venture, we have utilized the Agile programming advancement strategy which is an iterative model that is material to useful programming improvement project. It includes iterative and steady improvement which comprises of numerous pattern of 1) Planning and Requirement Analysis, 2) Design, 3) Development, 4) Launching and Testing.

Fig.1: Analysis

Preceding the turn of events, an attainability study was done in the fundamental phase of this venture to decide if the undertaking is feasible to be created. We have made an overall correlation with regards to the time, human asset and cost between the traditional framework and the proposed framework.

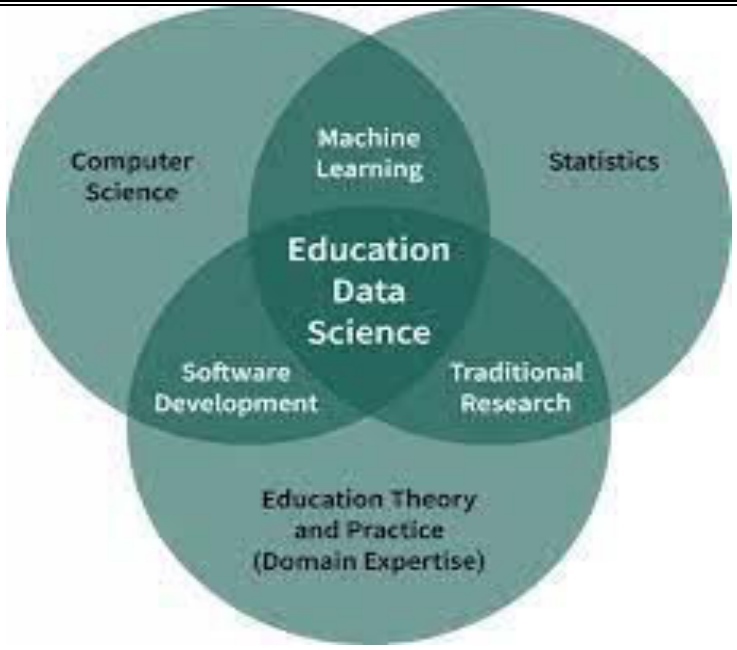

Fig.2: Education System.

We have discovered that by utilizing the proposed framework, we can lessen a lot of time in overseeing participation record and sending notices. In addition, the complete expense that will be caused by sending warnings through SMS and messages are a lot less expensive contrasted with by sending snail mail to understudies and watchmen. HR can be diminished also since the drawn-out errand can be facilitated.

Planning and Requirement Analysis

1) All speakers showing any courses will be permitted to utilize the framework.
2) Academic undertakings division staff likewise will be conceded admittance to utilize the framework.
3) System's client can enlist the classes and transfer the understudies' subtleties concerning the specific subject.
4) System's client can record the subtleties of non-attendance for a specific understudy in the framework (illustration of subtleties: date of non-attendance, course code, seven day stretch of the semester).
5) System ought to have the option to compute truancy rates for all understudies naturally.
6) System ought to have the option to list the understudies with high non-attendance record as per certain rates.
7) System ought to have the option to send notice or caution through SMS and email to separate understudies (with high truancy rate).
8) System ought to have the option to monitor the quantity of warnings or cautions shipped off particular understudies.

The new framework will consequently send notices through SMS and email to all understudies with non-appearance level of 7%, 10% and 15%. The primary 7% will be utilized to supplant the verbal update rehearsed right now, while the 10% will be relating with the warning letter gave by Deputy Registrar (Academic). At last, one more token of 15% non-appearance is given to alarm the understudies again before they were approached to present a show cause letter at 23% of non-appearance.

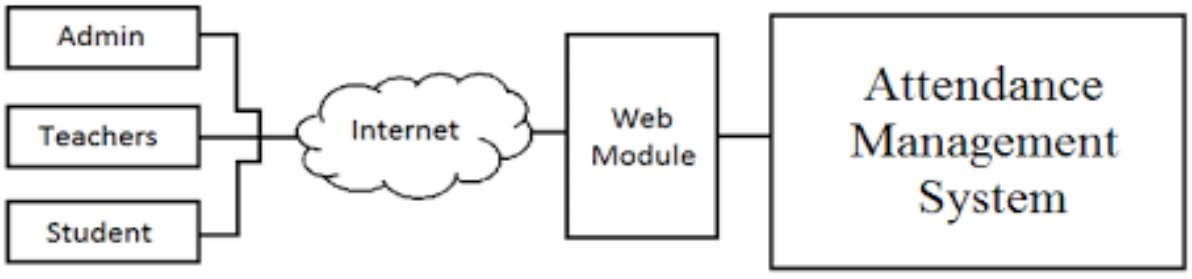

Fig.3: Attendance System.

Plan

In the plan stage, every one of the points of interaction expected for the framework have been planned utilizing MS Visual Basic Ultimate 2012. A few significant points of interaction are displayed in the Results segment. Other than the connection points plan, the information base was likewise planned during this stage utilizing MS Access.

The plan of the relative multitude of tables were finished by the information details or qualities required not entirely set in stone in the past stage. A complete information word reference with the end goal of improvement and future upkeep was additionally ready during this stage. Present the field name and information types in each table built by the information word reference.

Improvement

AAMAS was created on Windows 7 stage by utilizing MS Visual Basic Ultimate 2012.

Every one of the modules were customized by the pseudocodes plan in the past stage. During improvement, the coordination among MS Visual Basic 2012, MS Access and MS Excel were done and it was seen that the combinations were viable.

Launching and Testing

In this stage, every unit and module was tried to assess whether it was working appropriately true to form. The testing was finished considering two objectives: I) to approve whether the framework works as planned, ii) to find any flaws or imperfections in any piece of the frameworks.

imperfection testing was additionally performed. Through the testing done, one deformity was uncovered in the framework in which a class bunch code which comprises of 10 mathematical characters neglected to be perceived by the framework. Neglecting to do so has brought about no understudies' names with respect from the chose class were recorded which handicapped the client from refreshing the separate understudies' participation record.

Fig.5: Flow Status

Understanding the imperfection was begun from inconsistent information which the framework can't cater because of the underlying plan, we have update the table associated with the data set to oblige the information. Beforehand the most extreme person for the class bunch code field in the data set was just nine (the normal length for class bunch code in UiTM). Nonetheless, as of late new organization of class bunch code in which "_" (highlight character) was utilized coming about in an expanded from nine characters to ten characters in length.

4. RESULTS AND DISCUSSION

We have run AAMAS on a couple of sets of information (various gatherings of understudies and classes) to test the usefulness of the framework. the framework stream for AAMAS. We continue next by talking about the outcomes in light of its graphical UIs [17] and execution assessment.

The framework has been seen to be extremely basic, easy to understand, direct and stable to be utilized. Every one of the modules created in the framework were running accurately and effectively. The capacities given by the framework had the option to help the client in dealing with the understudies' participation record proficiently. AAMAS figured out how to work out the non-appearance record for every understudy in the framework and decided the understudies with high non-attendance rate. The framework then, at that point, sent notices alert consequently to the understudies to remind them on their high truancy rate by means of SMS and email.

The framework can likewise send warnings to watchmen, scholastic guides and different gatherings as well assuming it is required. Each time alert is being conveyed, the framework kept it in and along these lines empower clients to keep track on the quantity of alarms being sent. The insignificant time taken to deliver the report on the truancy rate and to send ready notices were seen to be the benefits of the proposed framework which figured out how to beat the current regular framework.

5. CONCLUSION

In this paper, we have examined about a framework which we have fostered the Automated
Participation Management and Alert System (AAMAS) with the targets to oversee and facilitate the current issue looked in dealing with understudies' participation and sending warnings to understudies and gatekeepers in UiTM. The thought in creating AAMAS is lined up with the improvement of the SMS notice framework as an update that is broadly utilized in different fields. This framework was created utilizing MS Visual Basic, MS Access and MS Excel programming utilizing the Agile programming advancement technique.

By utilizing the proposed framework, it was seen that the most common way of dealing with understudies' participation and ascertaining understudies' non-attendance rates were as of now not a problem since all were facilitated by having such mechanized framework. The late notices got by understudies and watchmen recently figured out how to be tackled effectively since AAMAS can naturally send SMS and email to remind them on high non-appearance rate to class. Capture of letters to the gatekeepers can likewise be killed. Despite the benefits presented by AAMAS, this framework can follow the quantity of alarms being sent, accordingly helps the clients in having the refreshed status of the notices conveyance.

Through this robotized framework, critical measure of time and cash can be saved as well, for example time expected to finish up structures and issue notice letters physically to gatekeepers can be limited fundamentally. In addition, message capture, HR and human mistakes can likewise be diminished. Later on, this framework can be additionally improved to cater for various arrangement of information document and determinations. It likewise can possibly be marketed to any colleges and learning organizations all through.

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Application Details	
APPLICATION NUMBER	202221016228
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/03/2022
APPLICANT NAME	1 . Mr. Bhushan Nandwalkar 2 . Dr. Makrand Shahade 3 . Mr. Khalid Alfatmi 4 . Mr. Tukaram Gawali 5 . Mr. Ashish Awate 6 . Ms. Vijaylaxmi Bittal 7 . Ms. Mayuri Kulkarni 8 . Mr. Umakant Mandawkar 9 . Mr. Ranjit Fule 10 . Ms. Rewa Desale
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FIELD OF INVENTION	COMPUTER SCIENCE
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/04/2022

Application Status	
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APPLICATION NUMBER	202141041757
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2021
APPLICANT NAME	1 . Dr.S.Balamurugan 2 . ANITHA RAJAKUMARI P 3 . SAMBIT PATTANAIK 4 . PANCHAL KETANKUMAR DEVENDRABHAI 5 . DR. MANOJ DILIP SHANTI 6 . NILESH V. GANDHARE 7 . TUKARAM KASHINATH GAWALI 8 . DR. SUSHMA JAISWAL 9 . TARUN JAISWAL
TITLE OF INVENTION	SENSOR-BASED INTELLIGENT DIGITAL NOSE FOR ANALYSING THE BREATHING PATTERNS OF LUNG CANCER PATIENTS USING MACHINE LEARNING
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	sbnbala@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sbnbala@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/10/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021107308

The Commissioner of Patents has granted the above patent on 8 December 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Anvar Shathik J of Associate Professor, Department of Cloud technology & Data Science, (iNurture Education solutions) Srinivas University College of Engineering & Technology Mangalore Karnataka 574146 India

Abolfazl Mehbodniya of Associate Professor and Head, Department of Electronics and Communication Engineering, Kuwait College of Science and Technology (KCST) Kuwait

Julian L. Webber of Assistant Professor, Osaka University Ikeda City Japan

N. TENSINGH BALIAH of ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI TAMILNADU India

J. JOHN WILSON of Assistant Professor, Department of Microbiology, AyyaNadar Janaki Ammal College, Sivakasi Tamil Nadu India

Tapalina Bhattasali of Assistant Professor & Head, Department of Information Technology, St. Xavier's College (Autonomous) Kolkata India

Brijesh Sathian of Scientist, Geriatrics and Long term care Department, Rumailah Hospital, Hamad Medical Corporation, Doha, Qatar, P. O BOX 3050 Doha Qatar

D. Sindhu of Assistant Professor, Sri Eshwar College of Engineering, Pollachi Coimbatore 642001 India

Umakant D. Mandawkar of Assistant Professor, SVKM's Institute of Technology, Dhule Maharashtra 424001 India

D. N. P. SUDARMANI of Assistant Professor, Department of Zoology, AyyaNadar Janaki Ammal College, Sivakasi Tamil Nadu India

Title of invention:

Method and System for prediction of COVID-19 through X-ray images using deep learning

Name of inventor(s):

J., Anvar Shathik; Mehbodniya, Abolfazl; Webber, Julian L.; BALIAH, N. TENSINGH; WILSON, J. JOHN; Bhattasali, Tapalina; Sathian, Brijesh; Sindhu, D.; Mandawkar, Umakant D. and SUDARMANI, D. N. P.

Term of Patent:

Eight years from 25 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 8th day of December 2021

Commissioner of Patents

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

(1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:

(a) a declaration that the threats are unjustifiable; and

(b) an injunction against the continuance of the threats; and

(c) the recovery of any damages sustained by the applicant as a result of the threats.

(2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

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(i) has applied for an innovation patent, but the application has not been determined; or

(ii) has an innovation patent that has not been certified; and

(b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be;

then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

(2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

(http://ipindia.nic.in/index.htm)

Application Details	
APPLICATION NUMBER	202121052678
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/11/2021
APPLICANT NAME	1 . Umakant Mandawkar 2 . Dr. SAROJINI. YARRAMSETTI 3 . Dr. T. RAMANATHAN 4 . Kumar Siddamallappa U 5 . Ranjith R 6 . MR. UMANG RASTOGI 7 . C Aravindan 8 . M.Swapna 9 . Dimple 10 . Dr. Brijesh Sathian
TITLE OF INVENTION	AUTOMATED KNEE OSTEOARTHRITIS DETECTION IN X-RAY IMAGES USING OPENCV - DEEP LEARNING ALGORITHMS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	24/12/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021105826

The Commissioner of Patents has granted the above patent on 10 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Umakant D. Mandawkar of Assistant Professor, SVKM's Institute of Technology Dhule Maharashtra India

Ganesh Prasad Sahu of Professor, School of Management Studies Motilal Nehru National Institute of Technology Prayagraj Uttar Pradesh India

Anindita Chakraborty of Assistant Professor, Institute of Management Studies, Banaras Hindu University Varanasi India

Smita Datta of Assistant Professor, University of Engineering & Management Kolkata India

Manmohan Mishra of Associate professor, United Institute of Management, Prayagraj Allahabad U.P. India

Bireshwar Dass Mazumdar of Associate Professor, Institute of Engineering & Rural Technology Prayagraj, Allahabad U.P. India

Pavan p kashyap of Assistant professor, CMR University, Devanahalli town Bangalore India

Brijesh Sathian of Scientist, Geriatrics and Long term care Department, Rumailah Hospital, Hamad Medical Corporation Doha 3050 Qatar

Sweta Gupta of Assistant Professor, School of Engineering & Technology, Jagran Lakecity University Bhopal India

Rajit Nair of Assistant Professor, School of Engineering & Technology, Jagran Lakecity University Bhopal India

Digvijay Pandey of DTE India and PhD IET, Dr A.P.J Abdul Kalam Technical University Lucknow India

Binay Kumar Pandey of Asst. Prof, Department of I.T, COT, GBPUAT Pantnagar Udham Singh Nagar Uttarakhand India

Title of invention:

A decentralized Blockchain based application for stock market exchange

Name of inventor(s):

Mandawkar, Umakant D.; Sahu, Ganesh Prasad; Chakraborty, Anindita; Datta, Smita; Mishra, Manmohan; Mazumdar, Bireshwar Dass; Kashyap, Pavan P.; Sathian, Brijesh; Gupta, Sweta; Nair, Rajit; Pandey, Digvijay and Pandey, Binay Kumar

Term of Patent:

Eight years from 18 August 2021

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 10th day of November 2021

Commissioner of Patents

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021105826

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 10th day of November 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

Extracts from the Patents Act, 1990

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Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021105614

The Commissioner of Patents has granted the above patent on 10 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

SWARNAVA BISWAS of School of Health Sciences, The Neotia University Kolkata, West Bengal- 743368 India

MOUMITA MUKHERJEE of Department of Physics, School of Basic and Applied Sciences, Adamas University Kolkata, West Bengal, 700126 India

SAMIR DEY of Assistant Professor, Department of Computer Science and Engineering, JIS University 81, Nilgaunge Road, Kolkata-700109 India

NILADRI MAITI of Associate Professor, Medical School, Akfa University Tashkent Uzbekistan

DIBYENDU KUMAR PAL of HOD & Assistant Professor (Department of Computer Application), Asansol Engineering College, Kanyapur, Vivekananda Saroni, Asansol WB-713305 India

SOUMEN PRAKASH KABI of Assistant Professor (Department of Computer Application), Asansol Engineering College, Kanyapur, Vivekananda Saroni, Asansol Asansol, WB-713305 India

DEBAJIT SARMA of Department of EEE, IIT Guwahati 781039 India

AVIJIT BHOWMICK of Dept. Of CSE, Budge Budge Institute of Technology Budge Budge Kolkata - 700137 West Bengal India

UMAKANT MANDAWKAR of Assistant Professor, Department of Computer Engineering, SVKM's Institute of Technology, Dhule., Survey No. 499, Plot No. 2, Mumbai Agra Highway behind Gurudwara, Dhule, Maharashtra 424001 India

NAVED ALAM of Department of Computer Science, SEST JAMIA HAMDARD DELHI-110062 India

Title of invention:

A Single Point Wearable Device for Isolation of the Patients having Infectious Diseases Including COVID-19

Name of inventor(s):

BISWAS, SWARNAVA; MUKHERJEE, MOUMITA; DEY, SAMIR; MAITI, NILADRI; PAL, DIBYENDU KUMAR; KABI, SOUMEN PRAKASH; SARMA, DEBAJIT; BHOWMICK, AVIJIT; MANDAWKAR, UMAKANT and ALAM, NAVED

Term of Patent:

Eight years from 16 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 10th day of November 2021

Commissioner of Patents

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

(http://ipindia.nic.in/index.htm)

Application Details	
APPLICATION NUMBER	202121035174
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/08/2021
APPLICANT NAME	1 . Prof. Avinash Lalasaheb Golande 2 . Dr. T. Pavankumar 3 . Dr. Madhavi Ajay Pradhan 4 . Dr. P. Venkateswara Rao 5 . Prof. Vijay Arun Kotkar 6 . Prof. Uday Chandrakant Patkar 7 . Prof. Vinodkumar Hemanth Bhutnal 8 . Prof. Rushali Anandrao Deshmukh 9 . Dr. Makarand Rambhau Shahade 10 . Prof. Divyashree Ramaiah
TITLE OF INVENTION	ECG BASED AUTOMATIC AND DYNAMIC SYSTEM FOR HEART DISEASE PREDICTION
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	avinash.golande@gmail.com
ADDITIONAL-EMAIL (As Per Record)	pavankumar_ist@kluniversity.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	03/12/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

Persistent

Azadi Ka Amrit Mahotsav

SMART INDIA HACKATHON 2022

#SIH Senior Software Edition

GRAND FINALE 2022
August 25-26

Mentor

Certificate

This Certificate is awarded to

ASHISH AWATE

for exceptional contribution as a Mentor in Smart India Hackathon, 2022

Sh. K Sanjay Murthy
Secretary, Higher Education,
Ministry of Education

Prof. Anil D. Sahasrabudhe
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Chief Innovation Officer,
Ministry of Education's Innovation Cell

Dr. Anand Deshpande
Chairman and MD,
Persistent Systems

Broadcast Partner

Partner

SSTM
SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

aws

Gmail

Mayuri Kulkarni <mayuridkulkarni@gmail.com>

Evaluator nomination for Smart India Hackathon 2022

mic-mhrd@gov.in <mic-mhrd@gov.in> Fri, Feb 11, 2022 at 9:22 PM
To: mayuri.kulkarni@svkm.ac.in

Dear Sir/Madam,

Greetings from MIC and AICTE.

Smart India Hackathon (SIH) platform is one of India's biggest annual platforms available to technical students to showcase their ideas, creativity and innovations. Every year, Hon'ble Prime Minister Shri Narendra Modi joins SIH and interacts with bright young minds and inspires them to offer innovative solutions for problems of our country. This year as well, we will be organizing the fifth edition of SIH 2022. This year we will have a bigger and better hackathon with the involvement of school students as well.

In this regard, we invite the nomination of the experts from various academic and industries to evaluate the ideas of the hackathon.

Kindly fill the below link with your details along with the recent CV of yours.

Link: https://sih.gov.in/evaluator-registration

Follow our social media handle for more details:

https://twitter.com/SIH2022_MIC

https://twitter.com/mhrd_innovation

For any queries, revert back to us on this chain email only.

Regards

Team SIH

SVKM's Institute of Technology, DHULE

(Department of Computer Engineering)

Student Achievements (during Academic Year 2021-22)

Student Achievements Index 2021-22

Sr. No.	Date	Name of Student	Type of Achievements	Years of Study
1.	1 Oct 2021	Falguni Shinde, Lina Thakare, Tejaswi Salunke	Idea has been selected for the next phase i.e. Phase 2the 'Prototyping Phase' of KPIT Sparkle 2022.Under 445 team From All over India	(TY Computer)
2.	11th March 2022	Ms. Sukruta Pardeshi and Ms. Chaitana Khairnar	Published paper on "Analysis of Data Handling Challenges in Edge Computing" in IJPE Scopus Indexed Journal in March 2022 issue.	(TY Computer)
3.	11th March 2022	Mr. Kirtish Wankhedkar(BTech Comp), Mr. Tejas Bhavsar(BTech Comp), Ms. Sukruta Pardeshi(TY Computer) and Mr. Vivek Pawar(TY Computer)	Group project on "Police Dand Vidhan Sahyak" shortlisted in DTE Project Competition at District Level and Nashik Region.	(BTech Comp),& (TY Computer)
4.	17th March 2022	Mr. Vivek Pawar	cleared GATE22 Exam with All India Rank 1391 with percentile 98.29 and with score 609.	(TY Computer)
5.	17th March 2022	Ms. Meghal Jambhale	cleared GATE22 exam with All India Rank 10232 with percentile 86.60 and with score 346.	(BTech Comp)
6.	17th March 2022	Ms. Yukta bhattad	CAT 2022 Examination Achievement	Alumni of Batch 2021

SVKM's Institute of Technology, DHULE

(Department of Computer Engineering)

7.	8th April 2022	Mr. Himanshu Sharma	secured 2 nd rank in college and around AIR 2600 rank out of all engineering students and AIR 3849 rank in India for clearing round 2 of Coding Ninjas Code Kaze competition where nearly 8 lakhs students had participated	(TY Computer)
8.	15th April 2022	Miss. Reva Desale	Alumini from 2021 Batch from Department of Computer Engineering has successfully Published her Patent. On Title ' Integrated System to Provide the Healthcare for Emergency Patients '	Alumni of Batch 2021
9.	6th May 2022	Mr. Jayesh Chaudhari	First Prize for National Startup Festival at Amaravati University	(FY Comp)
10	1 Auguest 2022	Mr. Darshan Kotkar	Cleared Round2 of IIIC having AIR 941 invited to Grand Finale at Chandigarh University	(TY Computer)
11.	26 August 2022	Team name: Technoids Team members: Pratham Bhagat (Team leader) Pratik Bhagat Sarvagya Varma Chaitanya Sharma Saifuddin Saifee Sakshi Pagariya	Team TECHNOID has won Smart India Hackathon 2022 (SIH 2022) under Senior Software Edition-2022.	(SY Computer)

Dr. Makarand Shahade

Head of the Department,

Department of Computer Engineering

SVKM's Institute of Technology, DHULE

(Department of Computer Engineering)

2. New Initiatives taken by Department (during Academic Year 2021-22)

Department has started for Project Based Learning for SYComp and TYComp Students.

a) Total 24 Group formed for TYComp
b) Total 32 Group formed for SYComp

3. Any other Important information of Department

Department submit the proposal of AICTE Training and Learning (ATAL) Faculty Development Program on Topics Federated Learning and its Application in AI, Data Science and Security.

Dr. Makarand Shahade

Head of the Department,

Department of Computer Engineering

					SHAYMNARAYAN THAKUR MARG THAKUR VILLAIGE SAMATA NAGAR KANDIVLI (E) MUMBAI 400 101		
AK1106	1	19174	21577 - Technoids	Pratham Bhagat	79923 - SHRI VILE PARLE KELVANI MANDALS INSTITUTE OF TECHNOLOGY, DHULE	MAHARASHTRA	DHULE
	2	30809	29735 - VAIHALLA	MAHALAKSHMI G	79855 - R.M.D ENGINEERING COLLEGE	TAMIL NADU	CHENNAI
	3	31333	30313 - Gratifying Tenderfoot	Deepika Kumari	191813 - GANDHI INSTITUTE OF TECHNOLOGICAL ADVANCEMENTS (GITA), BHUBANESWAR	ODISHA	BHUBANESWAR
	4	11807	11763 - Step Up	Abirami.R	79664 - SARANATHAN COLLEGE OF ENGINEERING	TAMIL NADU	TIRUCHIRAPALLI
	5	16045	14510 - Team_Equester	PRIYA VISHNU A S	80243 - K.RAMAKRISHNAN COLLEGE OF ENGINEERING	TAMIL NADU	TRICHY
	6	32552	31029 - Zeon Technophile	Nagasundar N	79934 - SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	TAMIL NADU	COIMBATORE
	7	23313	20238 - Sixth Senses	Sumit Kumar Upadhyay	80036 - IIMT COLLEGE OF ENGINEERING, GREATER	UTTAR PRADESH	GREATER NOIDA

Certificate

OF PARTICIPATION

KPIT | SPARKLE

Falguni Shinde

Thank you for your remarkable energy and enthusiasm in making KPIT Sparkle 2022 a grand success. We appreciate your commitment to the cause of fostering innovation. You have showcased a great amount of Teamwork & Collaboration in submitting the idea SP21C005706.

1300+ Ideas | 15,000+ Students | 800+ Colleges | 28 Indian States

Anup Sable

Anup Sable
CTO, KPIT Technologies Ltd.

Mobility & Energy for the Future

8TH GRAND FINALE 2022

Certificate

OF PARTICIPATION

KPIT | SPARKLE

Lina Thakare

Thank you for your remarkable energy and enthusiasm in making KPIT Sparkle 2022 a grand success. We appreciate your commitment to the cause of fostering innovation. You have showcased a great amount of Teamwork & Collaboration in submitting the idea SP21C005706.

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Anup Sable
CTO, KPIT Technologies Ltd.

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KPIT | SPARKLE

Tejaswi Salunke

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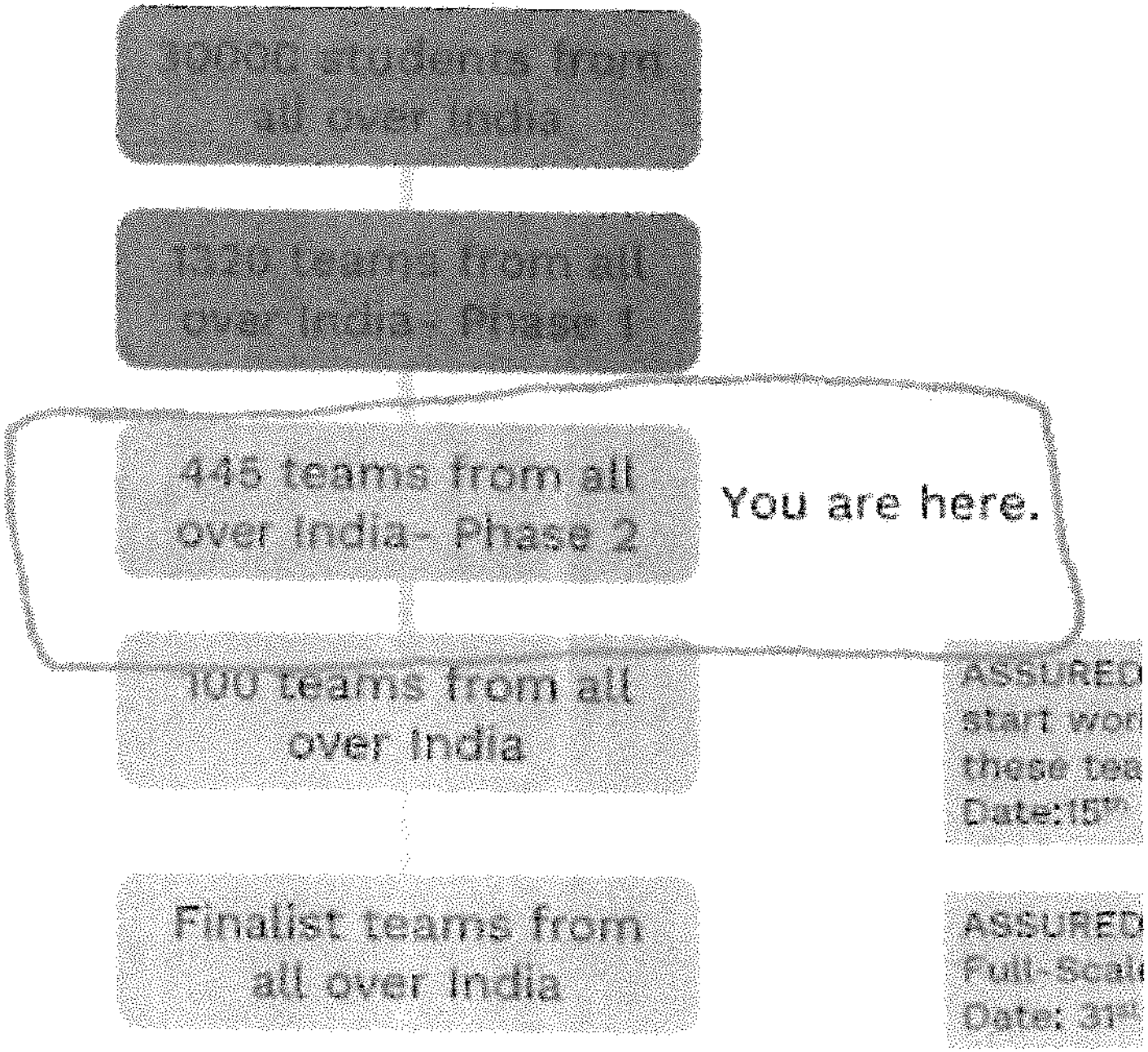
Anup Sable

Anup Sable
CTO, KPIT Technologies Ltd.

Mobility & Energy for the Future

GRAND FINALE 2022

Key Dates and Milestone



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Current Issue (http://www.ijpe-online.com/EN/0973-1318/current.shtml)

Int J Performability Eng (http://www.ijpe-online.com) ›› 2022 (http://www.ijpe-online.com/EN/article/showTenYearVolumnDetail.do?nian=2022), Vol. 18 (http://www.ijpe-online.com/EN/article/showTenYearVolumnDetail.do?nian=2022) ›› Issue (3) (http://www.ijpe-online.com/EN/volumn/volumn_245.shtml): 176-187. doi: 10.23940/ijpe.22.03.p4.176187 (https://doi.org/10.23940/ijpe.22.03.p4.176187)

❮ Previous Articles (http://www.ijpe-online.com/EN/abstract/abstract4666.shtml) Next Articles ❯ (http://www.ijpe-online.com/EN/abstract/abstract4668.shtml)

ysis of Data Handling Challenges in Edge Computing

Sukruta Pardeshi*, chetana Khairnar, and Khalid Alfatmi

PDF

5

Abstract

Abstract: Traditional Cloud Computing networks are intensely centralized in which the data is collected at the edges and transmitted back to the central network servers for computation. Due to the dramatic increase of IoT devices, such edges lack the computational power to handle the data collection and storage over the network because of the assumption of devices located closer to the edges. Edge Computing (EC) broadens the cloud computing characteristics of gathering, storing, processing, nd analyzing a massive amount of data by locating services close to the edge of the network. Yet, the unique features of Edge Computing have introduced several challenging issues in the data handling process. The paper provides an overview of the data handling challenges faced in the Edge Computing network. It defines the fundamentals of Edge Computing - the basic architecture, how it's different from Cloud Computing, its applications, and discusses the threats encountered in Edge Computing. There are various challenges experienced in EC while storing, managing, and analyzing data over the network through different local Edge Nodes. This paper summarizes the solutions to the proposed problems in EC through different machine learning and deep learning algorithms. It also provides future research directions in edge computing.

Key words: edge computing, machine learning, deep learning, cloud computing, IoT

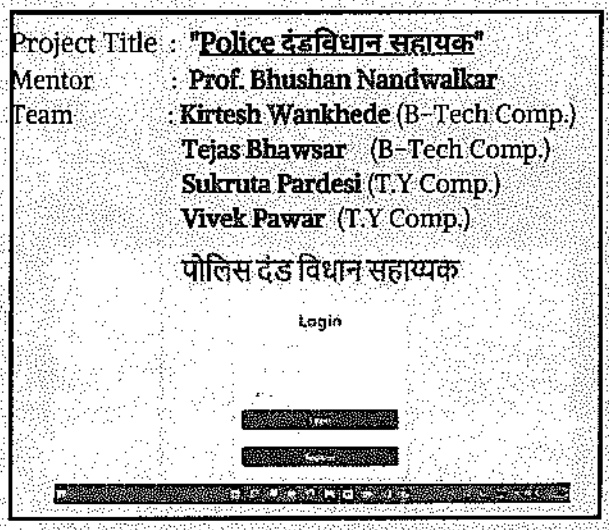
References

Related Articles 15

Recommended 0

DTE District Level Project Competition

Project Title	:	**"Police दंडविधान सहायक"**
Mentor	:	**Prof. Bhushan Nandwalkar**
Team	:	**Kirtesh Wankhede** (B-Tech Comp.)
		Tejas Bhawsar (B-Tech Comp.)
		Sukruta Pardesi (T.Y Comp.)
		Vivek Pawar (T.Y Comp.)



11th March 2022 :

Our college hosted the **District Level** Project Competition in Association with the Directorate of Technical Education Maharashtra Regional Office Nashik in which various Polytechnic, Engineering & Pharmacy colleges from the entire Dhule district participated and the **Students of SVKMIOT** from Computer Department bagged the 1st Position whereas SVKM's IOP, Dhule & Govt. Polytechnic, Dhule successfully secured Runner-up & Second-Runner-up respectively.

As per the title the winning project was made with the goal to help Police Department. Whenever any FIR will be registered in this software it will process it and as per the level of crime, *it will recommend the Criminal Laws as Governed by Penal Code, CRPC & Evidence Act.* It is created with Machine Learning & Natural Language Processing. Hence this software can work efficiently and it will train itself as per the data received by it from the user.

GATE 2022 Scorecard

Graduate Aptitude Test in Engineering (GATE)

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा

Name of Candidate	VIVEK RAMRAO PAWAR
Parent's/Guardian's Name	CHHAYABAI RAMRAO PAWAR
Registration Number	CS22S12070010
Date of Birth	18-Sep-2000
Examination Paper	Computer Science and Information Technology (CS)

GATE Score:	609	Marks out of 100:		44.67	
All India Rank in this paper:	1321	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	77257		25.0	22.5	16.6

Valid up to 31st March 2025

Prof. Ranjan Bhattacharyya
Organising Chairman, GATE 2022
on behalf of NCB-GATE, for MoE

bc2784bf62e840a08ae37e33f07ca262

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.*

Organising Institute: Indian Institute of Technology Kharagpur

General Information

The GATE 2022 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q)\frac{(M - M_q)}{(M_t - M_q)}$$

where,
M is the marks obtained by the candidate in the paper, mentioned on this GATE 2022 scorecard
M_q is the qualifying marks for general category candidate in the paper
M_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)
$S_q = 350$, is the score assigned to M_q
$S_t = 900$, is the score assigned to M_t

In the GATE 2022 score formula, M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2022 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

Graduate Aptitude Test in Engineering (GATE) 2022 was organized by Indian Institute of Technology Kharagpur on behalf of the National Coordination Board (NCB) – GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.

GATE 2022 Scorecard

Graduate Aptitude Test in Engineering (GATE)

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा

Name of Candidate	MEGHAL YOGESH JAMBHALE
Parent's/Guardian's Name	YOGESH JAMBHALE
Registration Number	CS22S12037004
Date of Birth	02-Aug-2000
Examination Paper	Computer Science and Information Technology (CS)

GATE Score:	346	Marks out of 100:		24.67	
All India Rank in this paper:	10232	Qualifying Marks*	General	EWS/OBC (NCL)	SC/ST/PwD
Number of Candidates Appeared in this paper:	77257		25.0	22.5	16.6

Valid up to 31st March 2025

Prof. Ranjan Bhattacharyya
Organising Chairman, GATE 2022
on behalf of NCB-GATE, for MoE

1c77b787506e48b70ac8ca60e9330ce9

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this score card.*

Organising Institute: Indian Institute of Technology Kharagpur

General Information

The GATE 2022 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q)\frac{(M - M_q)}{(M_t - M_q)}$$

where,
M is the marks obtained by the candidate in the paper, mentioned on this GATE 2022 scorecard
M_q is the qualifying marks for general category candidate in the paper
M_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)
$S_q = 350$, is the score assigned to M_q
$S_t = 900$, is the score assigned to M_t

In the GATE 2022 score formula, M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

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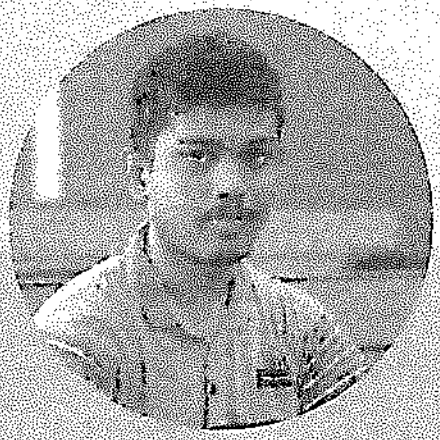
Departmental Achievements

GATE 2022 Achievements

MR VIVEK PAWAR

Our Third Year student secured an AIR 1321 in the GATE examination with a score of 609 in his very first attempt.



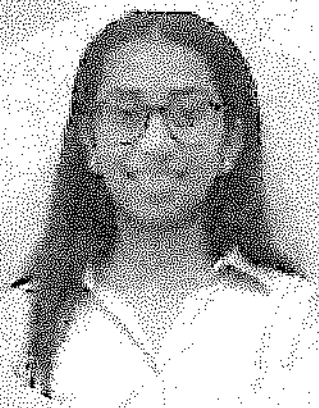
MS MEGHAL JAMBHALE

Our B-Tech Student successfully cleared the GATE examination securing All India Rank 10232 with a score of 346.

CAT 2022 Examination Achievement

MS YUKTA BHATTAD

Our Alumni of Batch 2021 scored 94.76 percentile in CAT 2022 and got selected for the course of MBA in IIM, Tiruchirappalli



Congratulations!!!.

CODING NINJAS

Certificate No : 126762
Date : 08-04-2022

This Certificate is awarded to

Himanshu Sharma

of

Svkm'S Institute Of Technology

for securing 3849th rank and scoring 120/120 at

CodeKaze

CODING NINJAS

Coding Ninjas
Society Name

Ankush Singla
Mentor/Instructor

(http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202221016228
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/03/2022
APPLICANT NAME	**1 . Mr. Bhushan Nandwalkar** **2 . Dr. Makrand Shahade** **3 . Mr. Khalid Alfatmi** **4 . Mr. Tukaram Gawali** **5 . Mr. Ashish Awate** **6 . Ms. Vijaylaxmi Bittal** **7 . Ms. Mayuri Kulkarni** **8 . Mr. Umakant Mandawkar** **9 . Mr. Ranjit Fule** **10 . Ms. Rewa Desale**
TITLE OF INVENTION	INTEGRATED SYSTEM TO PROVIDE THE HEALTHCARE FOR EMERGENCY PATIENT
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	dr.bksarkar2003@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/04/2022

SANT GADGE BABA AMRAVATI UNIVERSITY
AMRAVATI (M. S.)

SGBAU Research and Incubation Foundation Centre and Director Innovation, Incubation & Linkages
in Association with
P.G. Department of Computer Science and Engineering

Organizes

Annual National Project Competition, Startup and Business Plan Competition
SGBAU Startup Fest - 2022
On
Innovations, Startup Ecosystem & Business Plan During 5-6, May 2022

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms. Jayesh Manohar Chaudhari
of SVKM's IoT, Dhule, Maharashtra *has participated in " Innovations, Startup Ecosystem & Business Plan" in Category - Computer Science & Engineering and Information Technology / Electronics (Science and Technology), Electrical Instrumentation Engineering/ Civil Engineering, Mechanical Engineering & Allied Disciplines / Textile, Chemical, Biomedical, Biotechnology, Agricultural & All other Sciences & Engineering Disciplines. Under the Group - Diploma & Science Graduates / Engg. Graduates & Above / Startup level & Industrial and has awarded the prize* I st .

Dr. Dileep Malkhede
Vice-Chancellor
Sant Gadge Baba Amravati University

Dr. S. S. Sherekar
Director(I/c)
Innovation, Incubation and Linkages

Dr. V. M. Thakare
HoD
Computer Science and Engineering

Shri Vile Parle Kelavani Mandal's
Institute of Technology, Dhule
Survey No. 499, Plot No. 02, Behind Gurudwara,
Mumbai - Agra Highway, Dhule. (02562) 297801, 660633
ioitdhule@svkm.ac.in, www.svkm-iot.ac.in

(President)

(Principal)
Ph.D.,M.E.,I.MISTE

SVKM/IOT/Admin/21-22/397 **Date:-23/04/2022**

To,
The Director,
AICTE Training and Learning (ATAL) Academies,
All India Council for Technical Education, New Delhi.

Sub: Consent to organize Online/Face-to-Face AICTE Training and Learning (ATAL) FDP at SVKM's Institute of Technology, Dhule

Dear Sir,

I am pleased to consent to organize an **AICTE Training and Learning (ATAL) FDP** at our institute on **Federated Learning and its Application in AI, Data Science, and Security** from *05/12/2022* to *16/12/2022*. The proposed FDP, if approved, will be coordinated by **Dr. Makarand Shahade, Associate Professor in Computer Engineering.**

This is also confirmed that maximum 5 best proposals are being consented from this institute as maximum 5 proposal are allowed for a year

Sincerely,

Dr. Nilesh Salunke
Principal
SVKM's Institute of Technology,Dhule

Shri Vile Parle Kelavani Mandal's Institute of Technology DHULE

Congratulations, Your seat is confirmed for IICC Grand Finale | Click here for more details

1 message

IICC - AICTE <iicc@codingninjas.com>
To: IICC 2022 <iicc@codingninjas.com>
Bcc: Darshankotkar123@gmail.com

Fri, Aug 5, 2022 at 12:03 PM

Hello IICCian!

Congratulations on qualifying for the Round 3 of IICC.

We are thrilled to confirm your seat at **Chandigarh University Campus for Round 3 of IICC on the 12th and 13th of August 2022.**

Kindly treat this email as a confirmation mail to attend the grand finale - IICC 2022 at Chandigarh University Campus.

Please note that the selected finalists have to mark their attendance during the grand finale at Chandigarh University as in person, In order, to take part in the ROUND 3 Test at the championship venue.

No online reporting will be considered for round 3.

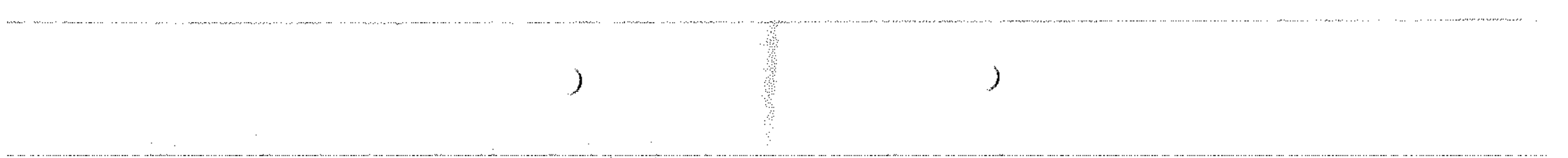
IMPORTANT:

- **The reporting desk will open from 6 PM - 11 PM IST on 11 Aug 2022 for early reporting students and it will open again from 7 AM - 10:30 AM on 12th August 2022.**
- **The last report will be considered by 10:30 AM sharp on 12th August 2022.**
- **Candidates have to report at Gate 1 - Chandigarh University to complete the desk reporting process.**
- **Accommodation, Meal + Competition details will be provided at the reporting desk only.**
- **Kindly carry this mail as a confirmation mail and your original college ID Card (Only applicable to college students) to validate your reporting at Chandigarh University.**

For any other queries, kindly refer to the attached handbook and join the telegram group by clicking this link: https://bit.ly/3ONWvJj

IICC Council is looking forward to hosting you during the IICC Grand finale and wishes the best of luck to all the selected finalists

Thanks & Regards



Darshan, result of IICC Round 2 is out!
1 message

Coding Ninjas Admin <alerts@courses.codingninjas.com> Mon, Aug 1, 2022 at 7:32 PM
Reply-to: contact@codingninjas.com
To: darshankotkar123@gmail.com

Darshan, you have successfully

Cleared Round 2 of IICC

Your All India Rank is 941

We are thrilled to invite you to Chandigarh University Campus for Round 3 of IICC on the 12th and 13th of August 2022

IMPORTANT: ***FILL OUT THIS FORM*** *to provide your consent of arrival by 02 Aug 2022 11.59 PM IST to reserve your final seat in the competition.*

Details of Round 3 Contest

Platform	Format
In person contest at Chandigarh University	3 test case based Coding Questions
Date	**Duration**
12 Aug 2022	6 Hours

Details of Round 3:

- Selected Finalists will have to report to Chandigarh University Campus on 12 Aug 2022 at 7:00 AM (at their own expense)
- The Grand Finale Round will start at 2:00 PM and will end at 8:00 PM on 12 Aug 2022
- The final result of the contest will be announced in the Final Valedictory Ceremony at Chandigarh University Campus on 13 Aug 2022
- Candidates will have to bring their own laptop for the competition
- Free Food & Accommodation for the participants (12th & 13th Aug'22)

Click on the button below to download the certificate of successfully clearing Round 2 of IICC!

https://students.codingninjas.com/verify/9b77501323f04ea0c3

If the link doesn't work on click, please copy and paste in browser.

Activity Report

Ministry of Education | Azadi Ka Amrit Mahotsav | MoE's INNOVATION CELL (GOVERNMENT OF INDIA) | Persistent

SVKM's Institute of Technology - Hackathon 2022

SIH

SMART INDIA HACKATHON 2022

Organized By

Department of Computer Engineering

SVKM

Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule, Maharashtra, India

Aim: Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mind-set of problem solving. Ministry of Education's (MoE's) Innovation Cell (MIC) and AICTE have launched the Smart India Hackathon (SIH) 2022.

Objective: Improve governance and quality of life using crowdsourced solutions. Give residents the chance to come up with creative solutions to India's problems.

Name of Program: SVKM's Institute of Technology – Internal Hackathon 2022

Date: 22nd March 2022

Time: From 10.30 AM onwards.

Chief Guest: Mayur Chandwadkar, CEO, INFOTECH INCORPORATE, Dhule

Place: SVKM's Institute of Technology Survey No. 499, Plot No. 2, Mumbai Agra Highway, behind Gurudwara, Dhule, Maharashtra 424001

Evaluator: 1) Mayur Chandwadkar
2) Dr. Makarand Shahade
3) Dr.Hitesh Takhare
4) Khalid Alfatmi
5) Prof. Ashish Awate

SVKM's Institute of Technology – Internal Hackathon 2022

Coordinator & SPOC, SVKM's Institute of Technology, Dhule: Prof. Umakant Mandawkar

Participants: Students from all First, Second, Third, Fourth Year of branch Civil, Computer, Electrical Information Technology, Mechanical Engineering department.

Outcomes:

1) To collaborate all Different domain students from various background into single platform nationally.
2) To learn to solve some of pressing problems we face in our daily lives.

Department of Computer Engineering of Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule (SVKM's IOT) organized SVKM's Institute of Technology – Internal Hackathon 2022 on 22nd March 2022. SVKM's Institute of Technology – Internal Hackathon provided an opportunity for meeting of Students of various branch, research, domain and development fields of Engineering and Technology.

The Hackathon offered a platform for student to gather and present their idea and interact intensively on the topics of the sectors MedTech/Biotech/Healthtech, Clean and Green Technology, Smart Education, Fitness and Sports, Transportation & Logistics, Blockchain and Cybersecurity, Robotics and Drones, Tourism, Disaster Management, Heritage and Culture, Smart Automation, Smart Vehicle, Renewable/Sustainable Energy, Agriculture, FoodTech and Rural Development, and Miscellaneous. Students can choose any problem statement given on the SIH Website https://www.sih.gov.in/. The last date for submitting the idea to internal hackathon was 15th March 2022. The Date further extent to 19th March 2022 because of DBATU University Examination of Third and Final year Engineering Students. Total 31 Teams Register for the SVKM's Institute of Technology – Internal Hackathon 2022 out of which 10 Team selected for the National Level Smart India Hackathon 2022 and 5 Teams are waitlisted in the SIH 2022.

Department of Computer Engineering

A) Problem Statements (PS) attempted by teams:

1) Anti-doping awareness cum sensitization through Gaming App
(Team Name-Team Technoids)
2) Developing inter-linked platform for Campus Placement in Higher educational Institutes (Team Name: Brute Force)
3) Solution to Identify Drones through CCTV feeds installed at houses, roads etc. (Team Name: Techno-Maniacs)
4) Integrated information platform for information about Indian Universities (Team Name- Software Chasers)
5) SER ON LIVE CALLS WHILE CREATING EVENTS (Team Name- Cyber panthers)
6) AICTE, MIC-Student Innovation: Medline App
(Team Name- MEDINEERS)
7) AICTE, MIC-Student Innovation: Legal Advisor Chatbot for Cyber Crime in India.
(Team Name: Cyber_Saviour)

B) Total number of teams Participated against each PS: 1 teams Participated against each PS

C) Total number of teams Selected against each PS: 3+2(waiting)

D)Total no. of Teams Participated:7

E) Total no. of Students Participated:6*7=42

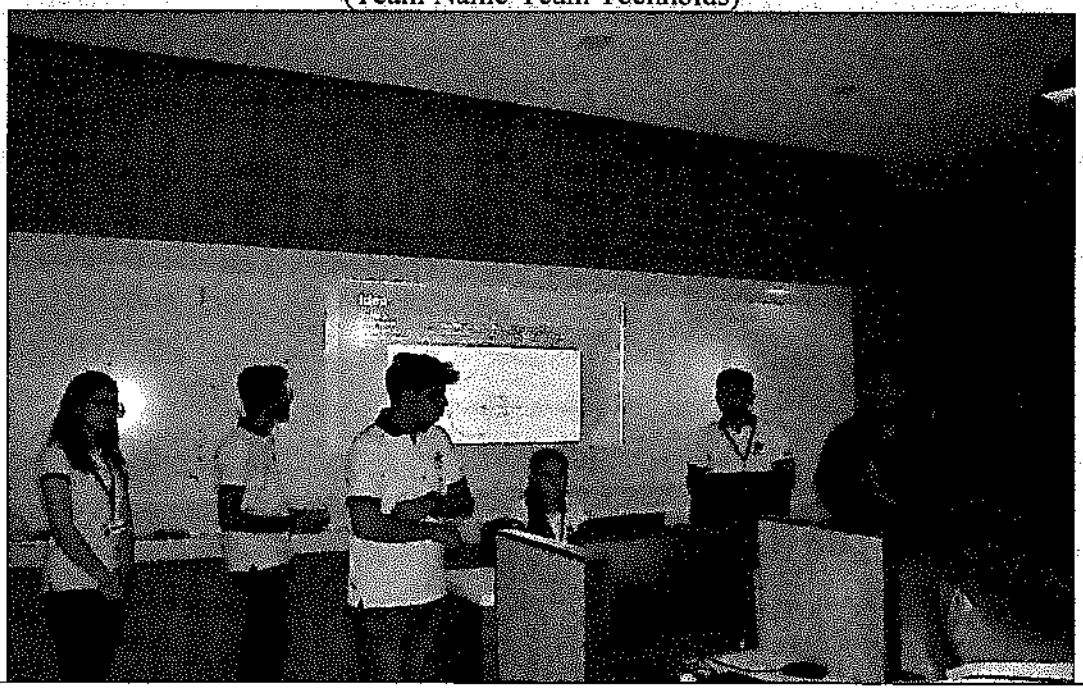
F) No. of female Participants:21.

G) No. of male Participants:21

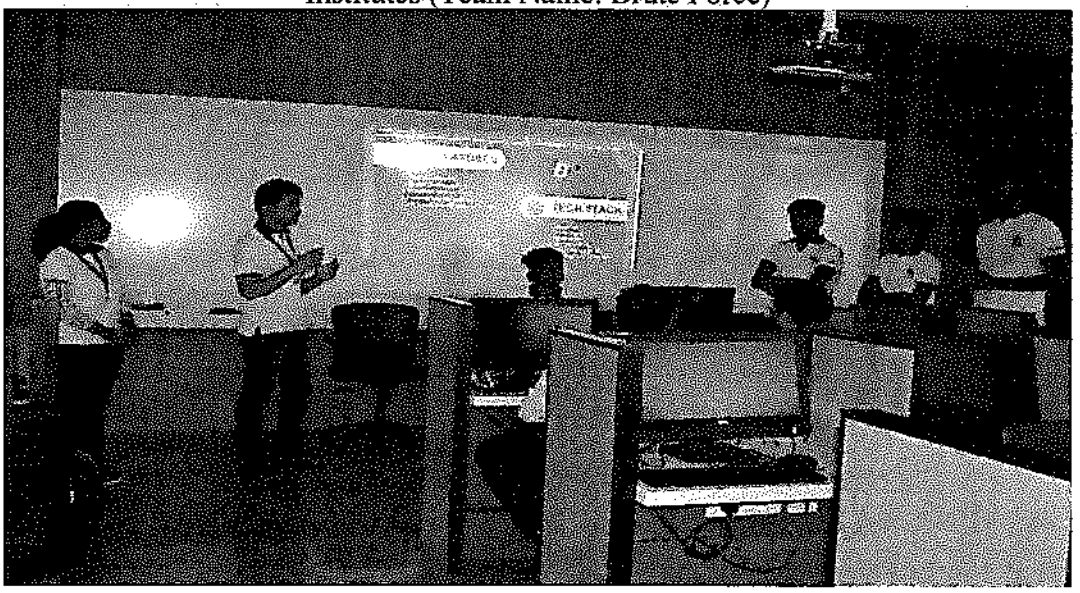
H) Winner Team name with respective Photograph

4) Anti-doping awareness cum sensitization through Gaming App

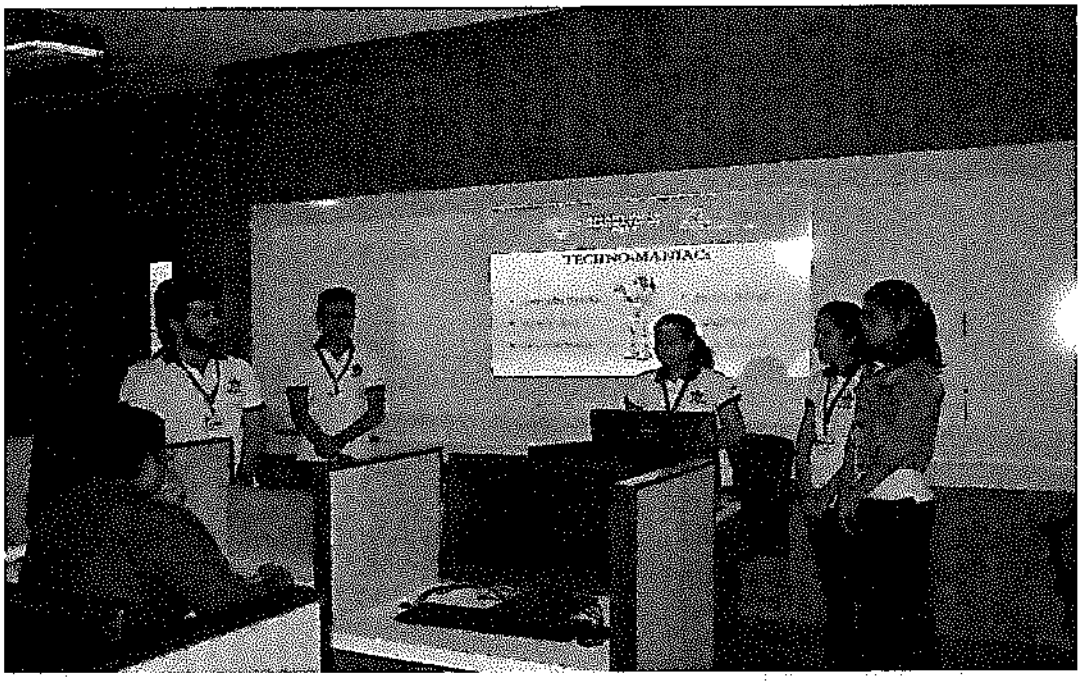
(Team Name-Team Technoids)



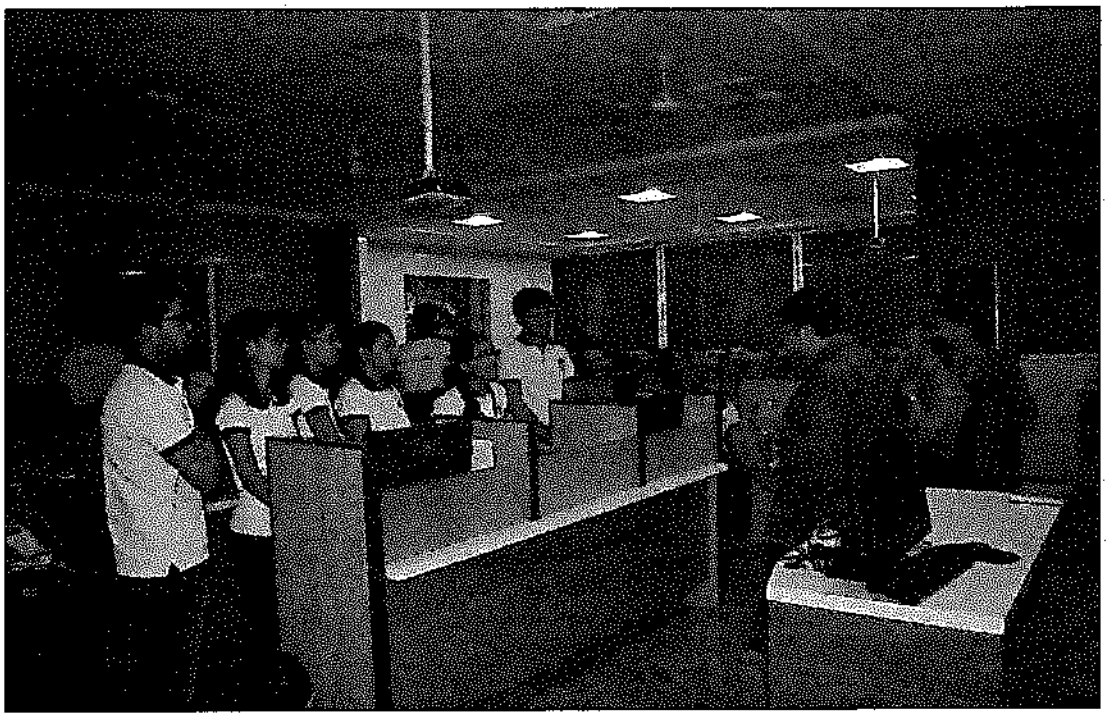
8) Developing inter-linked platform for Campus Placement in Higher educational Institutes (Team Name: Brute Force)



9) Solution to Identify Drones through CCTV feeds installed at houses, roads etc. (Team Name: Techno-Maniacs)

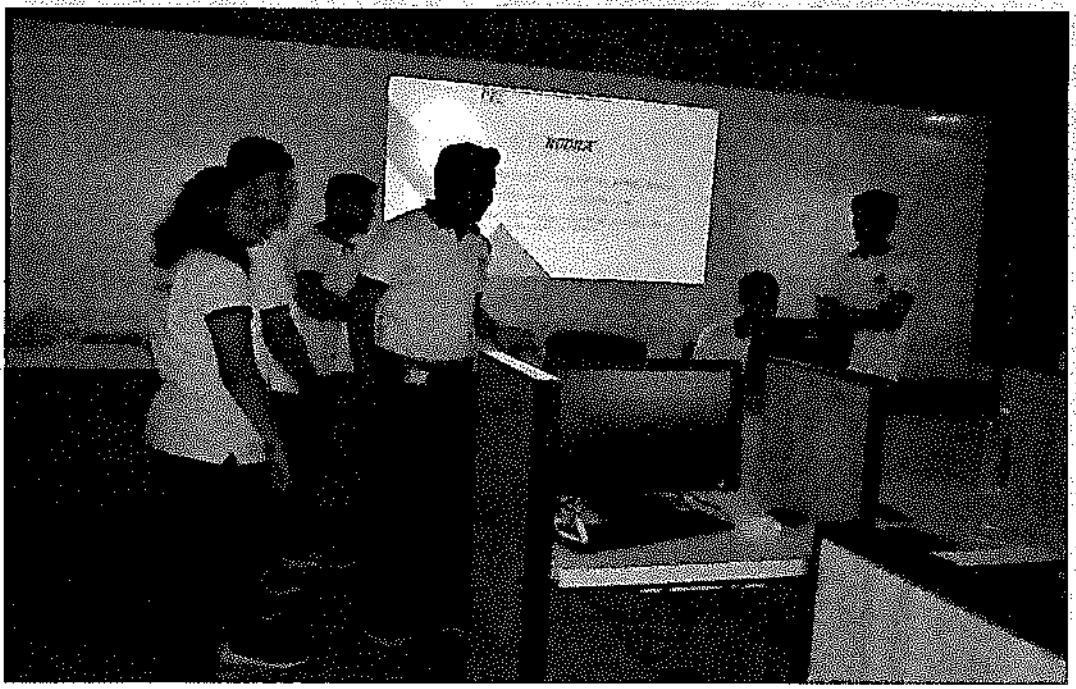


10) Integrated information platform for information about Indian Universities (Team Name- Software Chasers)



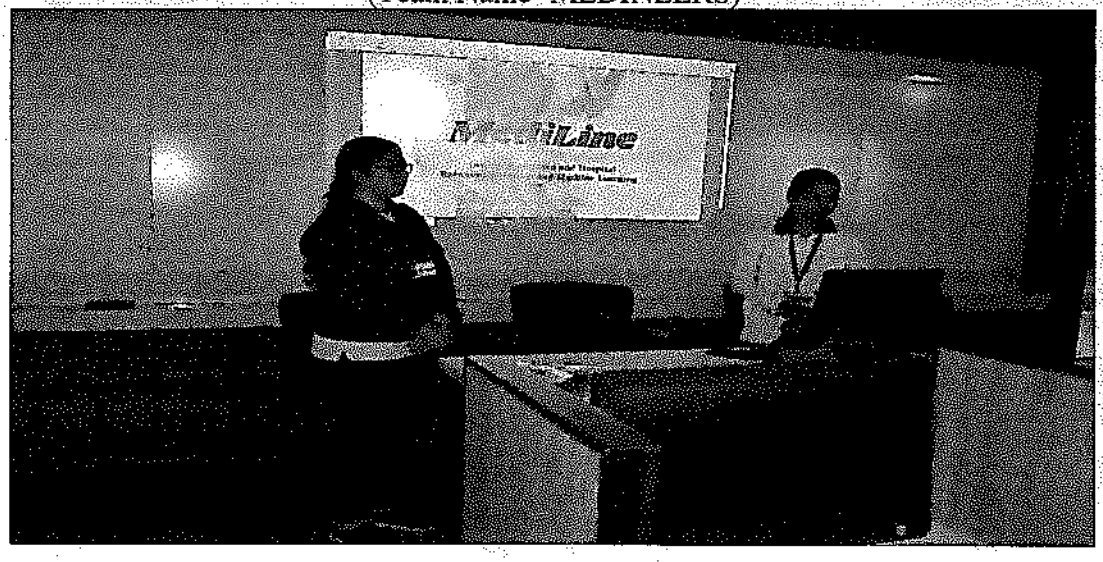
I)Waitlisiting Teams name with respective Photograph:

11) SER ON LIVE CALLS WHILE CREATING EVENTS (Team Name- Cyber panthers)



4)Student Innovation AICTE, MIC-Student Innovation (Medline App)

(Team Name- MEDINEERS)



Department of Electrical Engineering

A) Problem Statements (PS) attempted by teams:

1) Security Management System (Team Name: FAST - Future Automation Security Technology)
2) Work clothing that has sensors embedded in it to securely transmit data to managers about hazardous conditions and the workers' physical conditions, improving safety overall (Team Name: Smart Jacket)

3) Student Innovation (Team Name: Electro Boom)

4) How to avoid median accidents: Invisible center medians cause a huge number of accidents in India. (Team Name: That's SVKM Guys)

B) Total number of teams Participated against each PS: 1 Teams Participated against each PS

C) Total number of teams Selected against each PS: 1+2 (Waiting)

D)Total no. of Teams Participated: 4

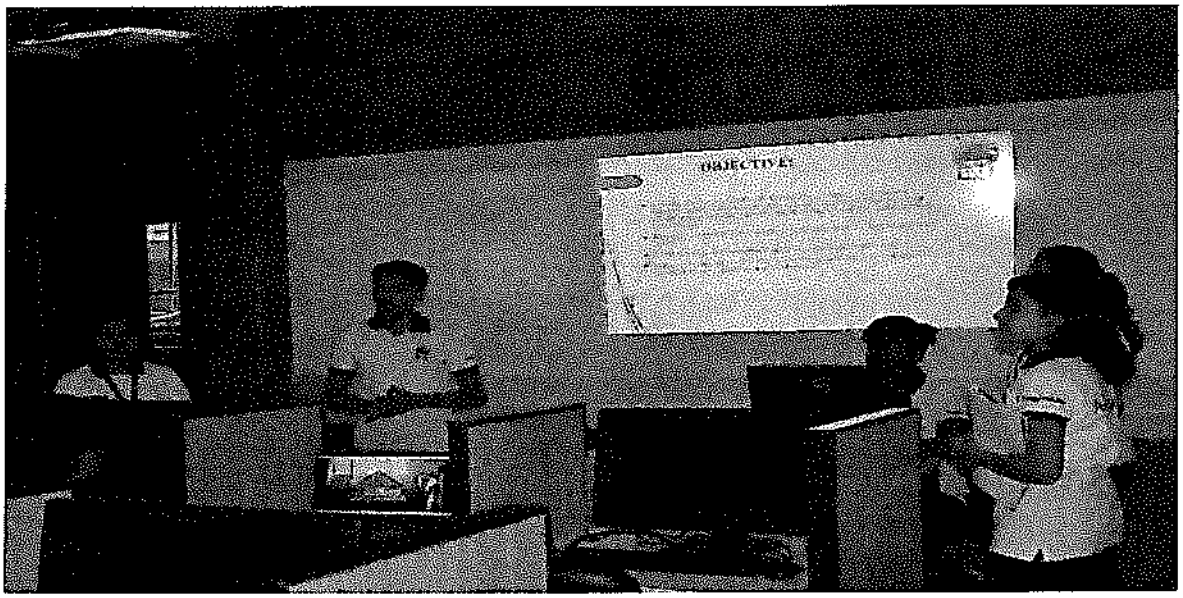
E) Total no. of Students Participated: 4*6=24

F) No. of female Participants:12

G) No. of male Participants:12

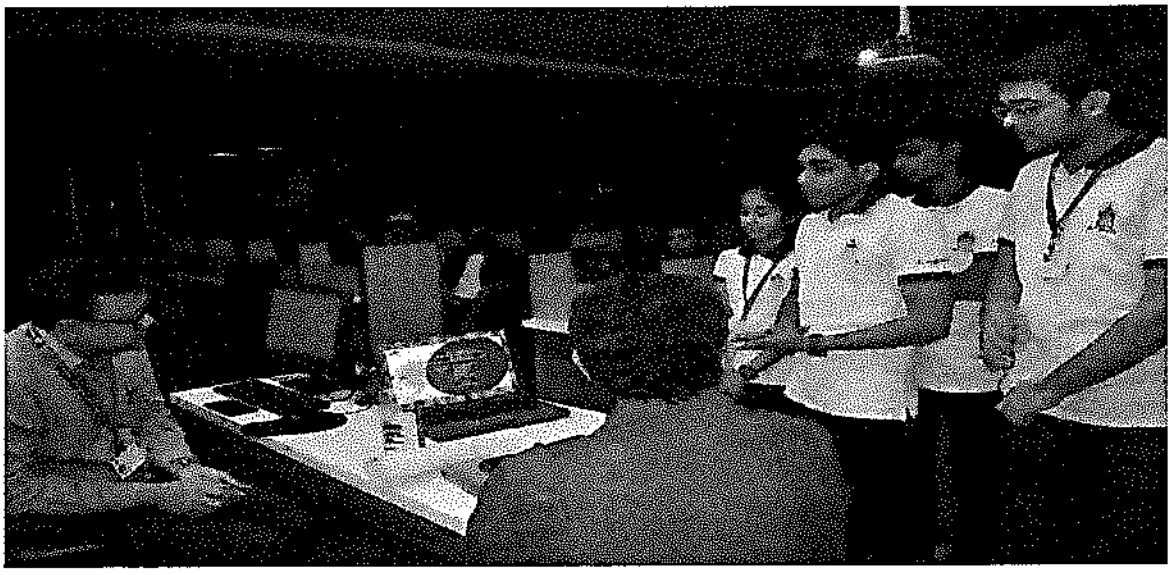
H) Winner Team name with respective Photograph

1.Team Name: FAST - Future Automation Security Technology



I) Waiting list Teams name with respective Photograph

1. Team Name: Smart Jacket



Department of Information Technology

A) Problem Statements (PS) attempted by teams:

1)Graphical Password Authentication (Team Name: Supernova)

2)Mental Health and wellbeing surveillance, assessment and tracking solution among children. (Team Name: Dell and T)

3)To develop a website for systematic farming for farmers in local language (Team Name: Cyber Squad---waiting list Team)

4)Improving Authentication to credit card (Team Name-Team 5)

5)Home Automation refers to control the home appliances by using IOT technology (Team Name: Smartician)

B) Total number of teams Participated against each PS: 1 Teams Participated against each PS

C) Total number of teams Selected against each PS: 2+1(waiting)

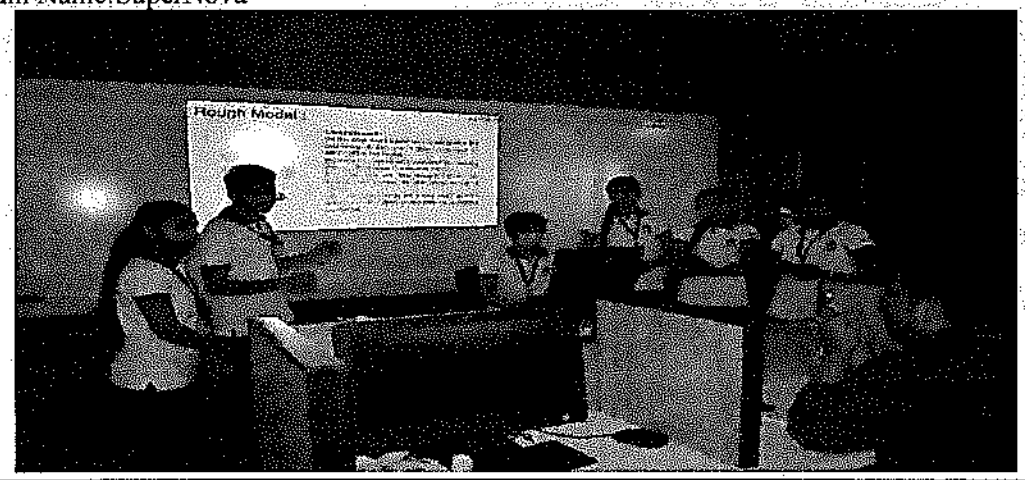
D)Total no. of Teams Participated:5

E) Total no. of Students Participated:5*6=30

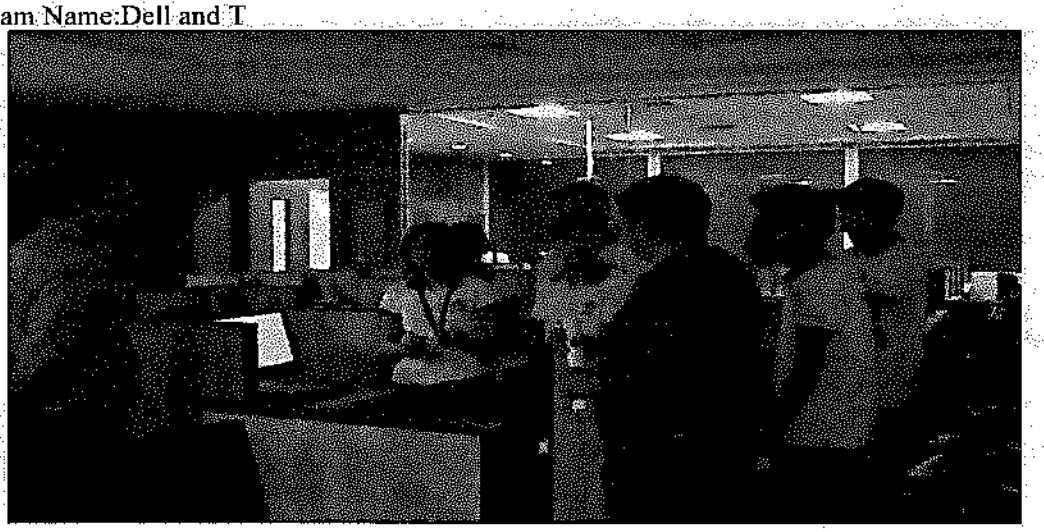
F) No. of female Participants:18. G) No. of male Participants:13

H) Winner Team name with respective Photograph

1)Team Name:SuperNova

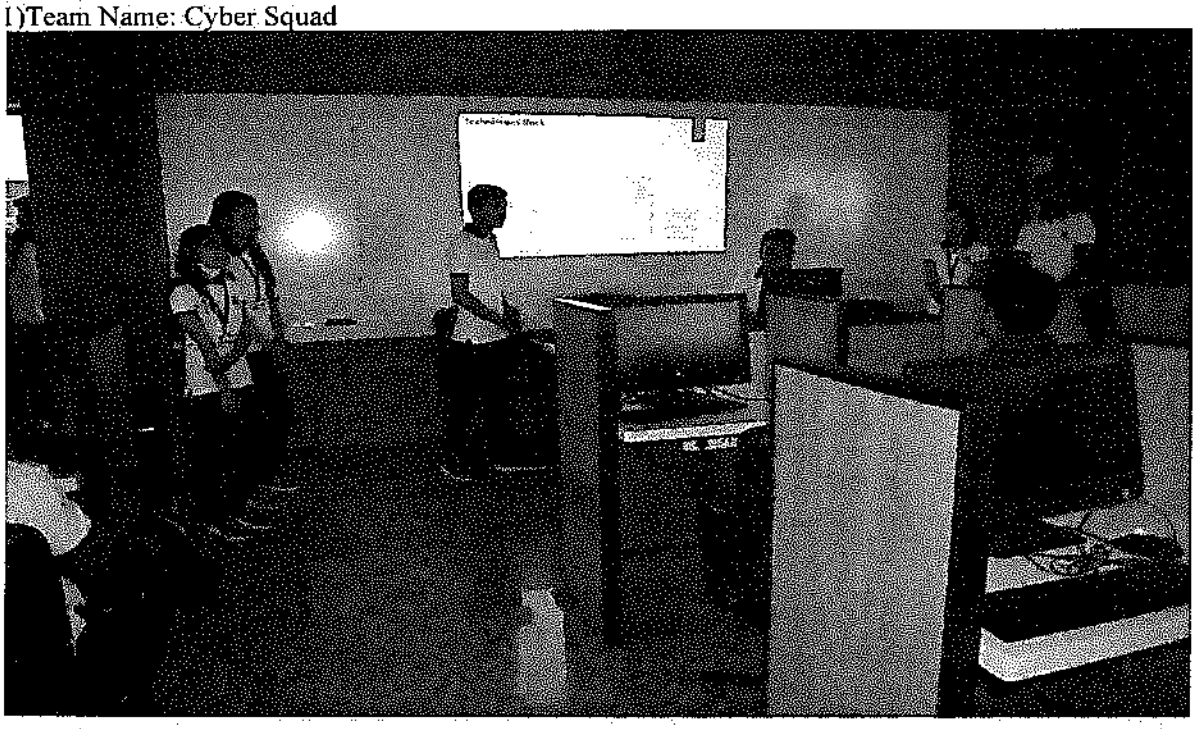


2) Team Name:Dell and T



I)Waiting list Teams name with respective Photograph

I)Team Name: Cyber Squad



Department of Mechanical Engineering

Team 1: ML Minds

Problem Statement Title: Student Innovation

Team 2: Future Enlight

Problem Statement Title: Energy Conservation with modern technology

Team 3: Elite

Problem Statement Title: Student Innovation

Team 4: Challenger

Problem Statement Title: Student Innovation

Main Domain: Renewable/ Sustainable Energy

Team 5: Titans

Problem Statement Title: Student Innovation

Main Domain: Smart Vehicles

Team 6: Special six

Problem Statement Title: Student Innovation

Main Domain: Renewable and Sustainable energy

Team 7: Unique Thinkers

Problem Statement Title: Student Innovation

Main Domain: Smart Automation

Team 8: Dream Team

Problem Statement Title: Student Innovation

Main Domain: Agriculture Food Tech And Rural Department

Team 9: Comprehensive translation builder

Problem Statement Title: Develop a system to Transliterate Regional language text into English /Hindi and perform matching using fuzzylogic / machine learning algorithms

Main Domain: Smart Automation

Team 10: Bot Builders

Problem Statement Title: AI based Chatbot to answer FAQs

Main Domain: Smart Automation

Team 11: ACHIEVERS

Problem Statement Title: Artificial intelligence enabled robotic trash boat to drive and harvest floating trash from urban drain
Main Domain: Disaster management
Team 12: Rockers
Problem Statement Title: Student Innovation
Main Domain: Agriculture, Food Tech & Rural Development
Team 13: Team Phantom
Problem Statement Title: Student Innovation
Main Domain: Agriculture, Food Tech & Rural Development
Team 14: Phantoms
Problem Statement Title: Student Innovation
Main Domain: Agriculture, Food Tech & Rural Development
Team 15: The Bachelor's
Problem Statement Title: student Innovation
Main Domain: Renewable/Sustainable Energy
Total no. of Teams Participated: 15
Total no. of Students Participated: 90
No. of female Participants: 14 No. of male Participants: 75

Institute Level Statistics in SVKM's Institute of Technology – Internal Hackathon 2022

B) Total number of teams Participated against each PS: 1 Teams Participated against each PS

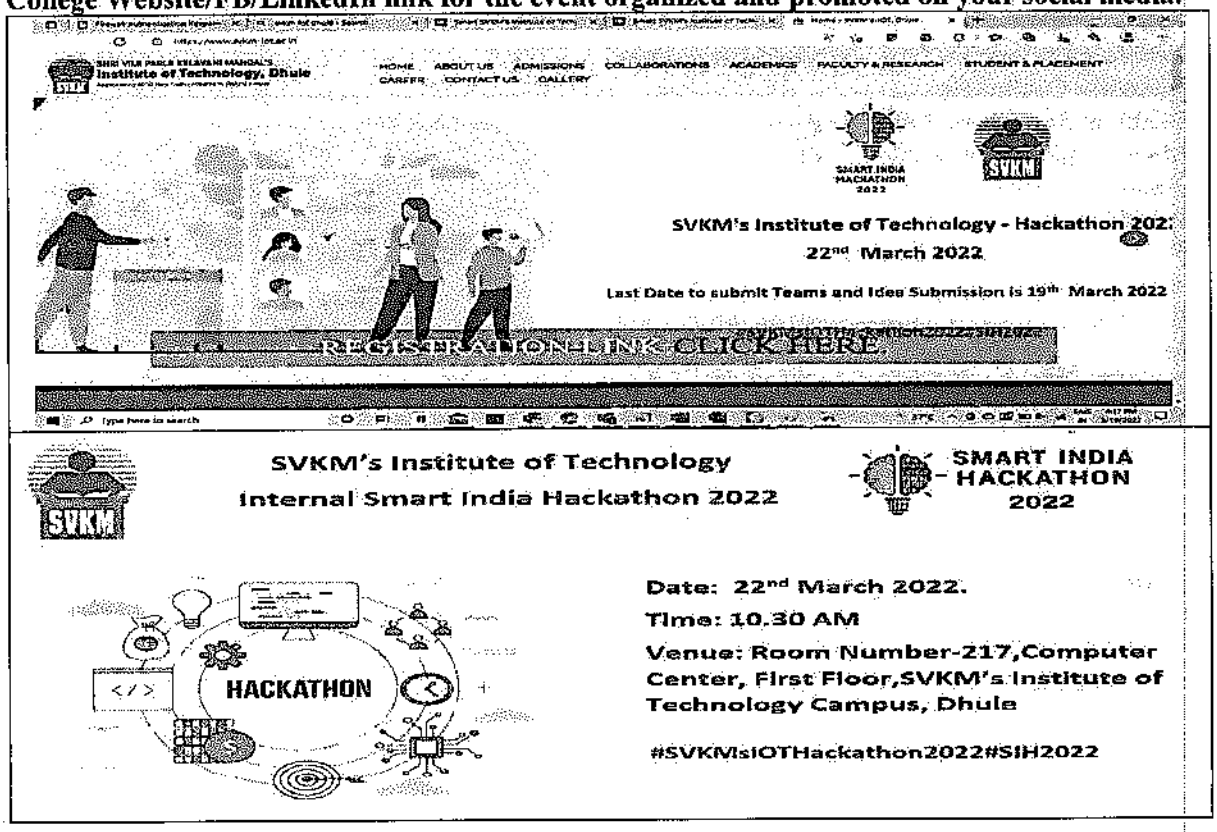
C) Total number of teams Selected against each PS: 10(Selected)+5(waiting)

D)Total no. of Teams Participated:31

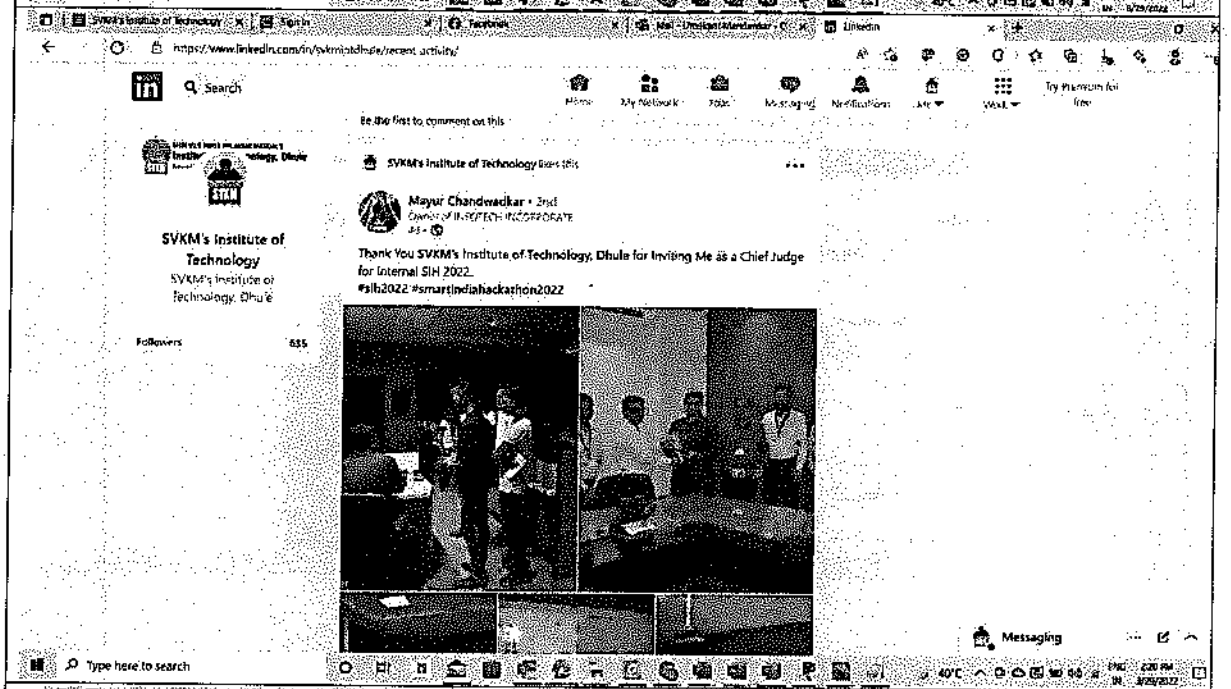
E) Total no. of Students Participated:5*6=186

F) No. of female Participants:65. G) No. of male Participants:121

College Website/FB/LinkedIn link for the event organized and promoted on your social media.




Svkm IotDhule
Svkm IotDhule is with Khalid Alfatmi and 5 others.
24 March at 15:01
SVKM's Institute of Technology-Internal Smart India Hackathon 2022 was held on 22nd March 2022 at 10.30 AM in SVKM's IoT Campus Dhule, Chief guests who have graced the occasion is Mayur Chandwadkar, CEO, Infotech Incorporate, Dhule
#svkmiotinternalhackathon#svkmsiot #sih2022
#smartindiahackathon2022
Friends
See All Friends
4,977 friends
Deepak Chawla
Vivek Pawar
Sajid Shaikh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SVKM's Institute of Technology, Dhule
Followers 835
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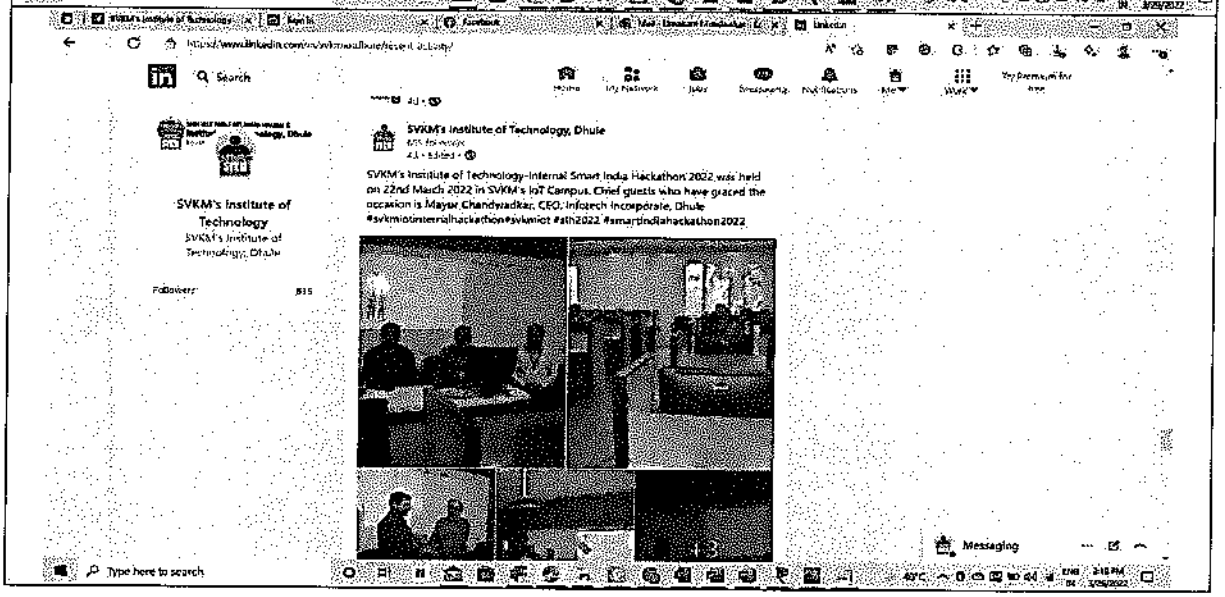
Mayur Chandwadkar • 2nd
Thank You SVKM's Institute of Technology, Dhule for Inviting Me as a Chief Judge for Internal SIH 2022.
#sih2022 #smartindiahackathon2022
Messaging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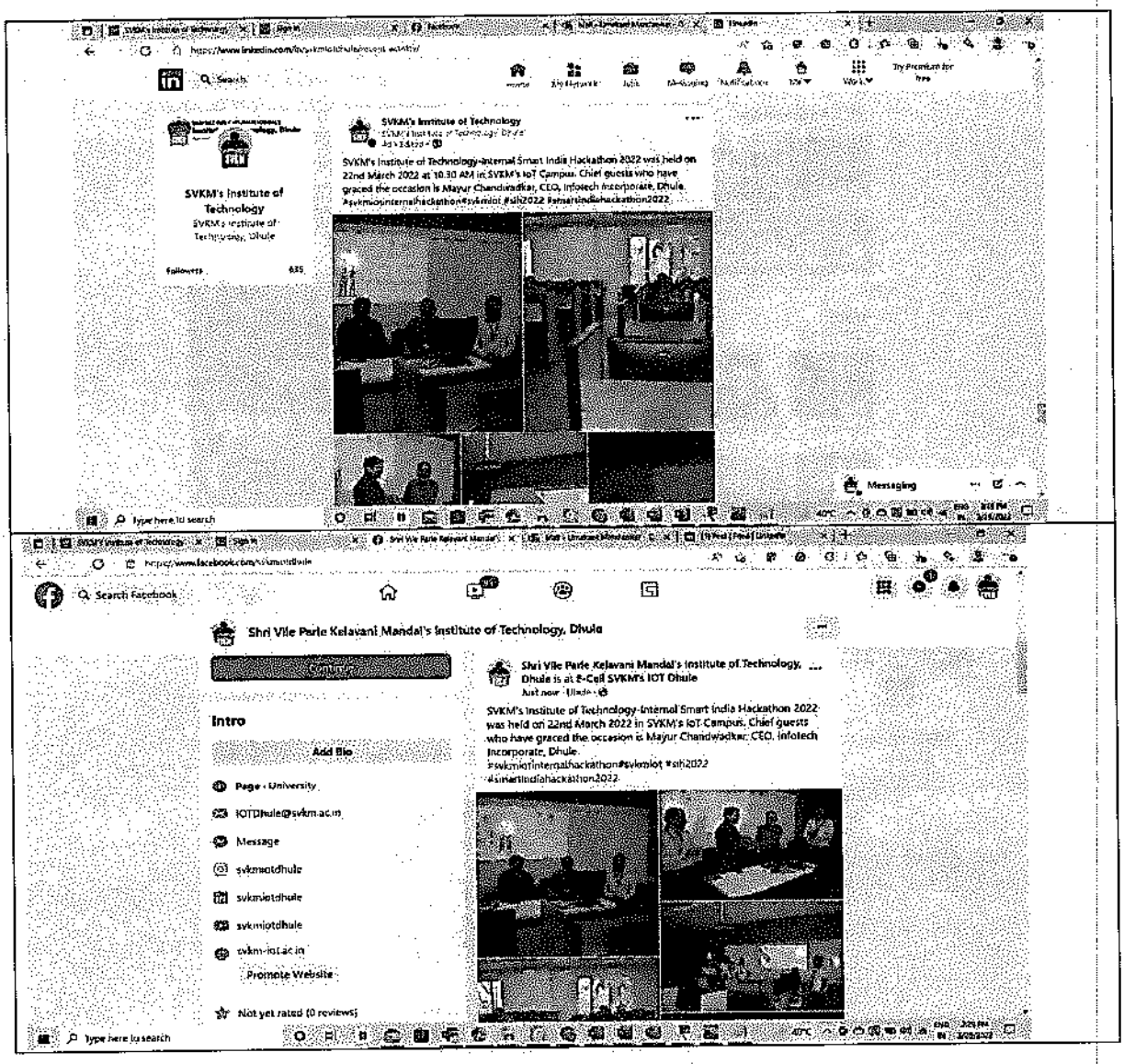
#svkmiotinternalhackathon#svkmiot #sih2022 #smartindiahackathon2022
Messaging


SVKM's Institute of Technology
SVKM's Institute of Technology, Dhule
SVKM's Institute of Technology-Internal Smart India Hackathon 2022 was held on 22nd March 2022 at 10.30 AM in SVKM's IoT Campus. Chief guests who have graced the occasion is Mayur Chandwadkar, CEO, Infotech Incorporate, Dhule.
#svkmiotinternalhackathon#svkmiot #sih2022 #smartindiahackathon2022.
Messaging
Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule
Intro
Add Bio
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Promote Website
Not yet rated (0 reviews)
Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule is at E-Cell SVKM's IOT Dhule
Just now ·
SVKM's Institute of Technology-Internal Smart India Hackathon 2022 was held on 22nd March 2022 in SVKM's IoT Campus. Chief guests who have graced the occasion is Mayur Chandwadkar, CEO, Infotech Incorporate, Dhule.
#svkmiotinternalhackathon#svkmiot #sih2022
#smartindiahackathon2022.

Evaluator of SIH 2022.

1) Mayur Chandwadkar,

Founder & CEO of INFOTECH INC., InfoTech Web Developer. Dhule

Mail id : mchandwadkar@gmail.com

Phone No :-8285478285/7588318518

2) Dr. Makarand Shahade,

Associate Professor, Computer Engineering, SVKM's Institute of Technology, Dhule

Mail id :- makarand.shahade@svkm.ac.in

Phone No:-9422840240

3) Dr. Hitesh R. Thakare

Associate Professor, Mechanical Engineering, SVKM's Institute of Technology, Dhule

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4) Prof. Khalid Alfatmi

Assistant Professor, Computer Engineering, SVKM's Institute of Technology, Dhule

Mail id: Khalid.Alfatmi@svkm.ac.in

Phone No:-9657724096

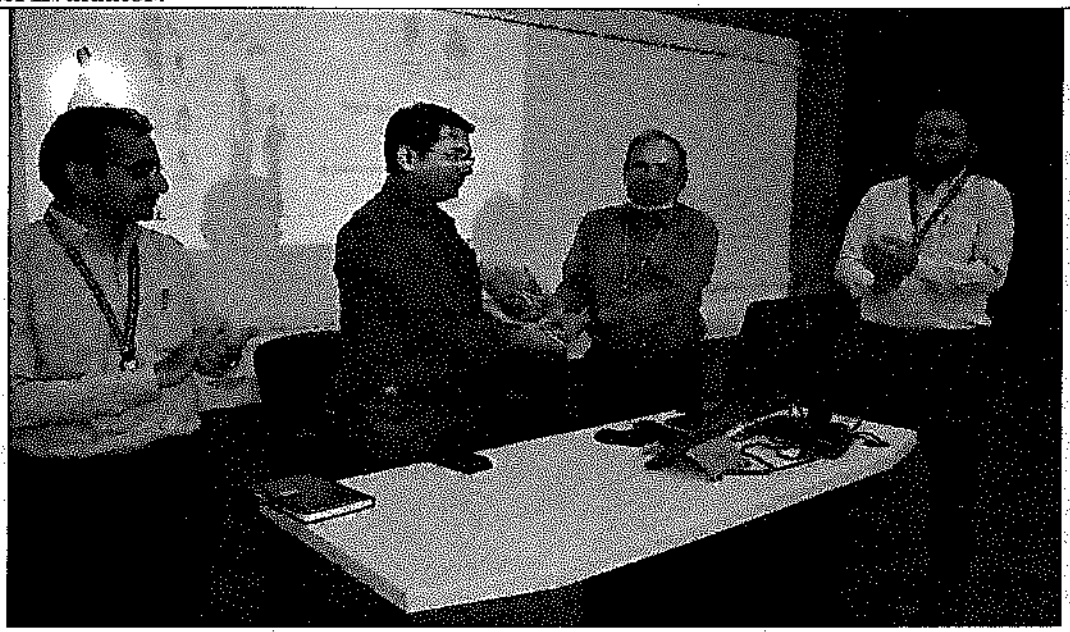
5) Prof. Ashish Awate

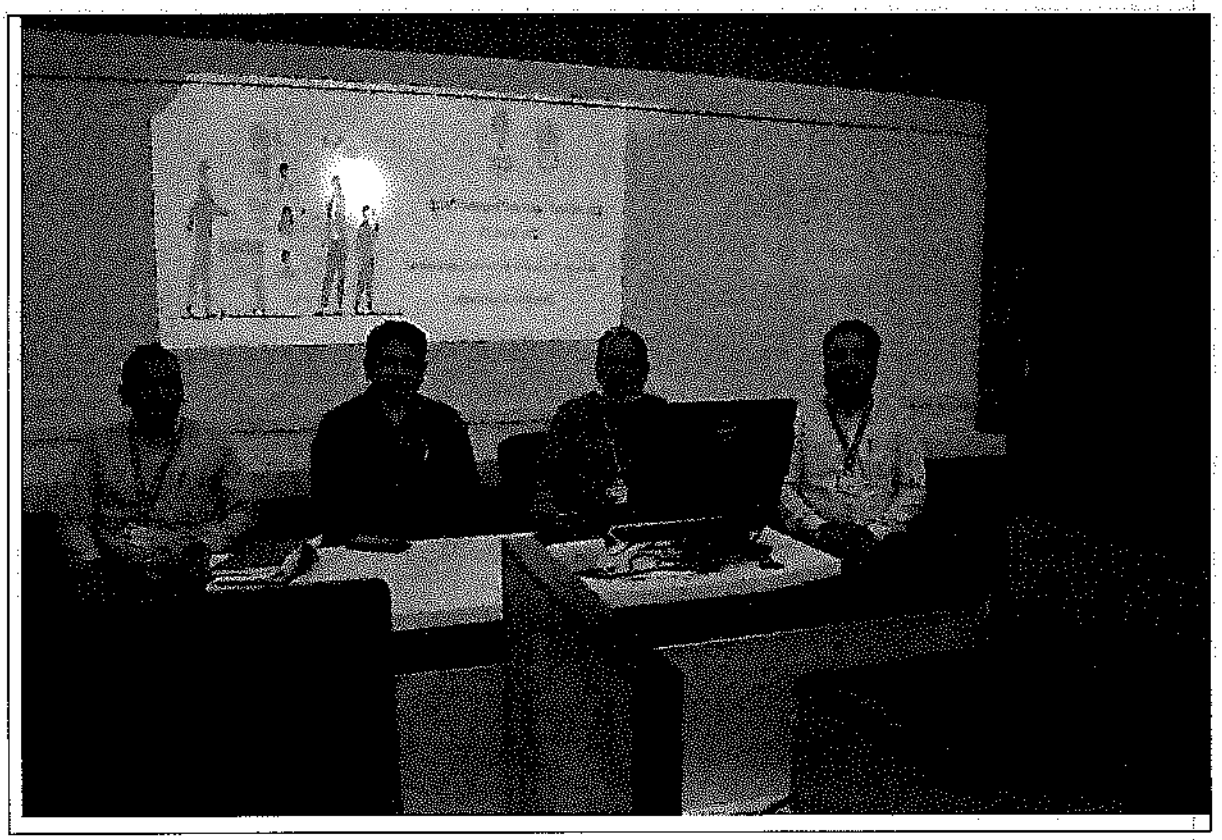
Assistant Professor, Computer Engineering , SVKM's Institute of Technology, Dhule

Mail id:- Ashish.Awate@svkm.ac.in

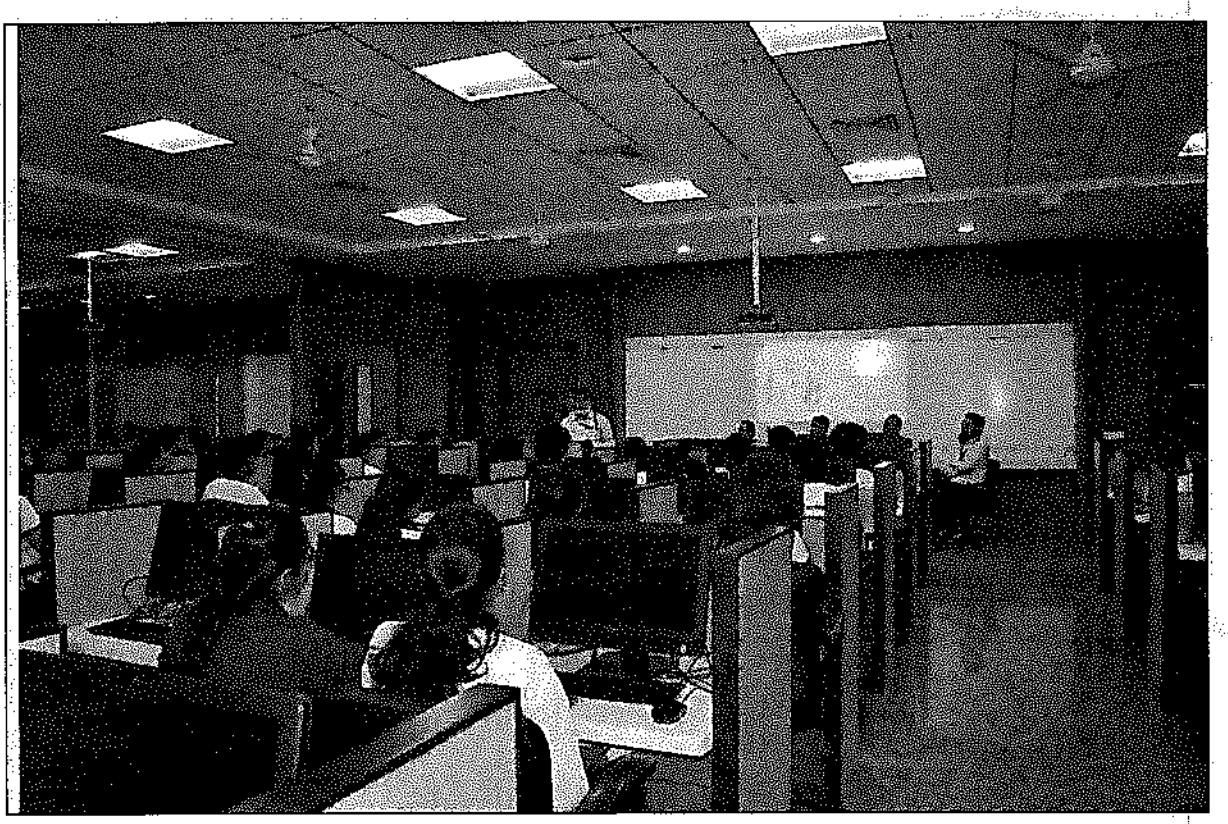
Phone No:-9405106633

Chief Evaluator:





Single point of contact (SPOC)giving Instruction to Teams:



Sample Certificate of Evaluator: -

Team **TECHNOID** comprising six students of the faculty of Computer Engineering has won Smart India Hackathon 2022 (SIH 2022) under Senior Software Edition. The team from Second Year Computer Engineering was guided by Prof. Ashish Awate. The team has also received a cash prize of Rs. 1 Lakh.

Shri Vile Parle Kelavani Mandal's
Institute of Technology, Dhule
Survey No. 499, Plot No. 02, Behind Gurudwara,
Mumbai - Agra Highway, Dhule. (02562) 297801, 660633
iotdhule@svkm.ac.in, www.svkm-iot.ac.in

Hon. Shri. Amrish R. Patel
(President)
Dr. Nilesh P. Salunke
(Principal)
Ph.D, M.E., LMISTE

Ref. No. : SVKM/IOT/Admin/21-22/363 Date:- 29/03/2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No for our college is 1-3377525821.

Team : Technoids

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Pratham Bhagat	M	bhagatpratham101@gmail.com	9325648424
Team Member	Saifuddin Saifee	M	saifuddin.saifee@live.co.uk	8308797952
Team Member	Pratik Bhagat	M	bhagatpratik.2002@gmail.com	8766523251
Team Member	Chaitanya Sharma	F	chaitanyass1512@gmail.com	9404755077
Team Member	Sarvagya Varma	M	sarvagyavarmaco07@gmail.com	7020420832
Team Member	Sakshi Pagariya	F	Pagariasakshi333@gmail.com	9325330875

Sincerely,

Dr. Nilesh Salunke
Principal
SVKM's Institute of Technology,Dhule

DTE Code: 5449

Shri Vile Parle Kelavani Mandal's

INSTITUTE OF TECHNOLOGY, DHULE

Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to DBATU, Lonere

Behind Gurudwara, Mumbai-Agra Highway,Dhule 424001.

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RATED 3/4 STARS

9425685966 / 9764405069

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