

NEWSLETTER



TCEA

DEPARTMENT OF
COMPUTER SCIENCE
AND ENGINEERING

PRESENTS

CODE
CONNECT

VOLUME 1 | ISSUE 1 | 2022

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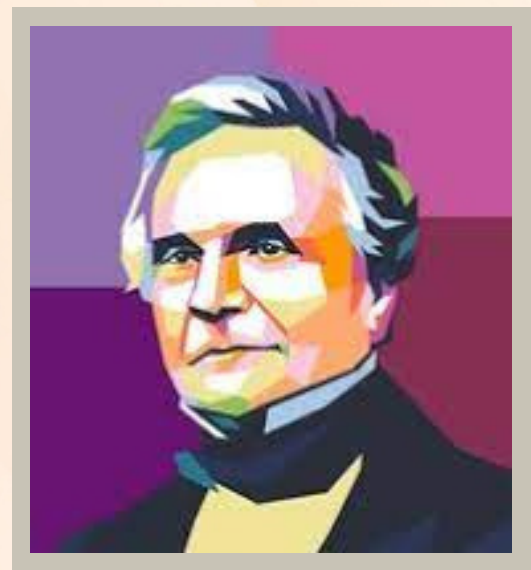


TECHNO COLLEGE OF ENGINEERING AGARTALA

DEPT. OF COMPUTER SCIENCE AND ENGINEERING

ABOUT US

Techno College of Engineering Agartala or TCEA (formerly Techno India Agartala or TIA) is a self-financed degree engineering college affiliated to Tripura University (A Central University), approved by AICTE, MHRD, Govt. of India. It is run and managed by Techno India Group. Techno India is the recognized leader among private education groups in India for its academic excellence and vast multitude of course offerings.



"Computer Science is the operating system for all innovation"

-Charles Babbage

MESSAGE FROM PRINCIPAL'S DESK

It is a matter of great pride and satisfaction for me that "CODE CONNECT", the first newsletter of the Department of Computer Science Engineering, is about to be published. I am sure that the Departmental newsletter will send a positive signal among all the students, faculty members, and individuals who are interested in the field of technical education and Technology based activities. A Departmental News Letter is like a mirror that reflects a clear picture of all sorts of activities undertaken by a Department. I congratulate the HOD, Faculty members, and my students of the Computer Science Engineering Department to take the initiative of publishing the newsletter.

With Best Wishes.



Dr. DIBAKAR DEB
Principal
TCEA

"Computer Science is a science of abstraction - creating the right model for a problem and devising the appropriate mechanizable techniques to solve it"

-Alfred Aho

Mr. Partha Pratim Deb is a Computer Science Engineer since 2008. He is an academic member of staff (Currently an Assistant Professor) and Head of the Department of Computer Science and Engineering Department at the Techno College of Engineering Agartala (TCEA). He has completed his M.Tech from Maulana Abul Kalam Azad University of Technology (formerly West Bengal University of Technology), WEST BENGAL in 2013 and currently pursuing his Ph.D. from National Institute of Technology Agartala (NITA). He has served in various administrative positions at TCEA including Head of the Department, In-charge of Student Affairs, Manager of Event Committee, member of the purchase committee.

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[LEARN MORE](#)

He was associated with various education institutes including Convolution educare, Techno International New Town (Formerly known as Techno India College of Technology) as an assistant Professor. He was also associated with two software farms including Indilabs and 3isoftech. He is also a freelance software developer and project consultant of the software firm named, Craf Tech Group. He is an active associate member and Jt. Convener of Computer Science and Engineering Div. of the Institution of Engineers (India) (IEI), Tripura State Centre. He has published papers in different journals and participated in various national and international conferences.

HOD'S DESK

HOD's MESSAGE

Welcome to Department of Computer Science & Engineering, TCEA The Department of Computer Science & Engineering (CSE) is dedicated for ensuring great careers for its students. For us, this means forging deeper industry linkages than ever before, creating a research culture from day one and ensuring seamless education using the best technology available anywhere.

The excellent infrastructure and, interactive teaching facility is one the best kind of the Department, ensuring quality education such as interaction among students, parents and faculties, along with a Training and Placement Cell that ensures a bright future and career to its students. We strongly encourage innovation in research, in teaching and in service to the profession, the local community and software development skills for making the students industry ready.

Our faculty and students are constantly striving to excel and to advance the state of the art in CSE. I invite you to be part of our efforts as we propel the department to ever-greater heights. In closing, I wish all the students and faculty a good academic career.



Asst. Prof. PARTHA PRATIM DEB
Head of the Dept. ,CSE
TCEA




VISION

1. The Department is the center of Excellence in Training and Research in the areas of Computer Science and Engineering to meet the present and future needs of society with human face.
2. To become self-processing in the fields of higher education, research and development consultancy and training.
3. Build a strong research and teaching environment that responds swiftly to the challenges of the 21st century.
4. To be in the frontier of Computer Science and Engineering and to produce globally competent graduates with moral values committed to build a vibrant nation.
5. To be a recognized leader by imparting quality technical education and thereby facilitating the extensive research environment, equipping students with latest skills in the field of technology supplemented with practical orientation to face challenges in the fast morphing modern computing industry and academia for the betterment of the society.



MISSION

1. Provide quality undergraduate education in both the theoretical field and Applied foundations of Computer science and train the students to effectively apply this education to solve real-world problems thus amplifying their potential for lifelong high-quality careers and give them a proper competitive advantage in the ever-changing and challenging global work environment of the 21st century
 2. To strengthen the core competence in the field of Computer Science and Engineering through analytical learning.
 3. To produce successful graduates with personal and professional responsibilities and commitment to lifelong learning.
 4. To uplift innovative research in Computer Science and Engineering to serve the needs of Industry, Government and Society.
- 

MESSAGE FROM EDITORIAL TEAM MEMBERS

We are thrilled to introduce the very first edition of CODE CONNECT Newsletter! It has been published after a lot of efforts by the whole editorial team. Our team has worked diligently to bring you a publication that highlights the exceptional achievements and research of our department. It is the outcome of creativity and seriousness in the technical field showed by both the students of Computer Science department and staff. It is and always will be a platform for the students, faculty, and researchers to showcase their work and inspire others to pursue their passion in this field

Thank you, and we hope you enjoy reading our Newsletter.



MR. SOUVIK ROY
3rd Year, CSE



MR. SANTOLOKE PAUL
3rd Year, CSE



MR. ADITYA DEBNATH
3rd Year, CSE



MR. PARTHA PRATIM DEB
Asst. Prof. of CSE Dept. (HOD)



MRS. PARIJATA MAJUMDAR
Asst. Prof. of CSE Dept.



MR. SANKHA SUBHRA DEBNATH
Asst. Prof. of CSE Dept.

MESSAGE FROM FACULTIES



MR. PARTHA PRATIM DEB
Asst. Prof. CSE (HOD)

As the faculty member and HOD of the CSE dept., I feel honored and privileged to be part of TCEA where every stakeholder is a learner and every day is an opportunity to learn and discover. We see ourselves as a community of learners, where everyone learns including our teachers, parents & staff. "Code Connect" reflects the achievements, activities, different events, social work, etc of the CSE dept. I congratulate CSE family for taking up this initiative. I wish a huge success of "Code Connect"



MRS. ARIJITA BHOWMIK
Asst. Prof. CSE

"We prepare students for professional and research activities with an ability to learn independently and work within a diverse multicultural environment.

I wish all the students a long-lived, successful career path."



MR. KANKAN SAHA
Asst. Prof. CSE

I'm honored to share my thoughts for the first annual newsletter "Code Connect". I'm impressed by the dedication and hard work of our students. Embrace challenges, develop critical thinking skills, and never stop learning. Keep up the great work and continue to exhibit passion and dedication towards your academic journey."

Thanks.



MRS. PARIJATA MAJUMDAR
Asst. Prof. CSE

Greetings of the day! I am delighted to have this opportunity to pen down a message for our first annual newsletter "Code Connect". The newsletter reflects the achievements, student welfare activities, actions, social work etc. of our department. I congratulate all the academicians and editorial student members of TCEA for taking up this initiative. I am looking forward to the grand success for "Code Connect". Warm wishes!

MESSAGE FROM FACULTIES



**MR. SANKHA SUBHRA
DEBNATH**
Asst. Prof. CSE

It gives me immense pleasure to write a message for the first yearly newsletter of Computer Science & Engineering Department i.e., "CODE CONNECT". This news letter will provide students with updates on departmental events, research opportunities and other important information. It will also motivate students as it serves as a medium to showcase their success stories. I wish a grand success for "CODE CONNECT". Thanks



MRS. PURBITA CHATTERJEE
Asst. Prof. CSE

Congratulations on the publication of the first annual Newsletter "CODE CONNECT". It's a pleasure to see the hard work and creativity of the team come to fruition. I am thrilled to witness the passion of all students for technology. Remember, you all are the innovators of tomorrow, and it's essential to stay curious and continue to learn. Thanks.



DR. SUSHMITA SHARMA
Asst. Prof. CSE

I am delighted to congratulate all on publication of our first departmental newsletter. The newsletter has mainly focused on the success, achievement, events. Victories teach us to be humble, but mistakes make us more skillful. So let us do our best and challenge ourselves to do better each time and to improve ourselves with each step. Our goals will meet if we put out our best effort and the newsletter is one of those reflections. Thanks.



MR. JOY LAL SARKAR
Assoc. Prof. CSE

I am excited to announce that our department's first newsletter will be released. This newsletter documents and shares our teaching methods, projects, and cultural activities with the technical community. I see this as an opportunity to learn more about the department's activities. I wish "Code Connect" tremendous success.

MESSAGE FROM FACULTIES



MRS. SHAWLI BARDHAN
Assoc. Prof. CSE

The "Code Connect" is the innovative form of departmental (Computer Science & Engineering) introduction and will serve directly to reader's minds straight from the writer's desk. The news letter contains information on the departmental activities, events and achievements. In the years to come, with the tireless efforts of all students and teachers, the department will reach new heights of excellence. In this regard, Code Connect will play a crucial part in strengthening community relations



MISS. NABANITA SHIL
Lect. CSE

I am elated to share that our departmental first newsletter " Code Connect" going to be published. This newsletter will show that activities, programs, training and project etc. of our department. On behalf of my department all the association of TCEA for taking up this innovative idea . I wish this initiative bring a grant success. Good Luck !



MISS. SARMISTHA DAS
Lect. CSE

Hello everyone.. I like to share with all of you that our first CSE departmental newsletter "Code Connect" is going published, where the department activities, works, achievement will be highlighted and focused...I am so happy and proud to be a part of this wonderful initiative.. Congratulations to the tcea team for the successful initiative.



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SHORT TERM TRAINING PROGRAM

SHORT TERM TRAINING PROGRAM ON JAVASCRIPT & JQUERY

18th & 19th June, 2022
from 07:00PM onwards
Through Online Mode
TCEA
Maheskhola, West Tripura

Organised by

Department of Computer Science and Engineering
Techno College of Engineering Agartala

Mahekhola, West Tripura

In collaboration with **Electrogenics**, Gurugram, Haryana



Trainer 1

S.K. Sharma
MD, Electrogenics,
Gurugram, Haryana

Trainer 2

Arindam Deb
Associate Trainer,
Electrogenics(Agartala Branch)



Scan the QR code
to register online

Moderator & Coordinator

Mr. Partha Pratim Deb
Head of the department,
Computer Science and Engineering
Techno College of Engineering Agartala

**e-certificates will be provided after successful completion of the training by the organising institute

LEARN MORE

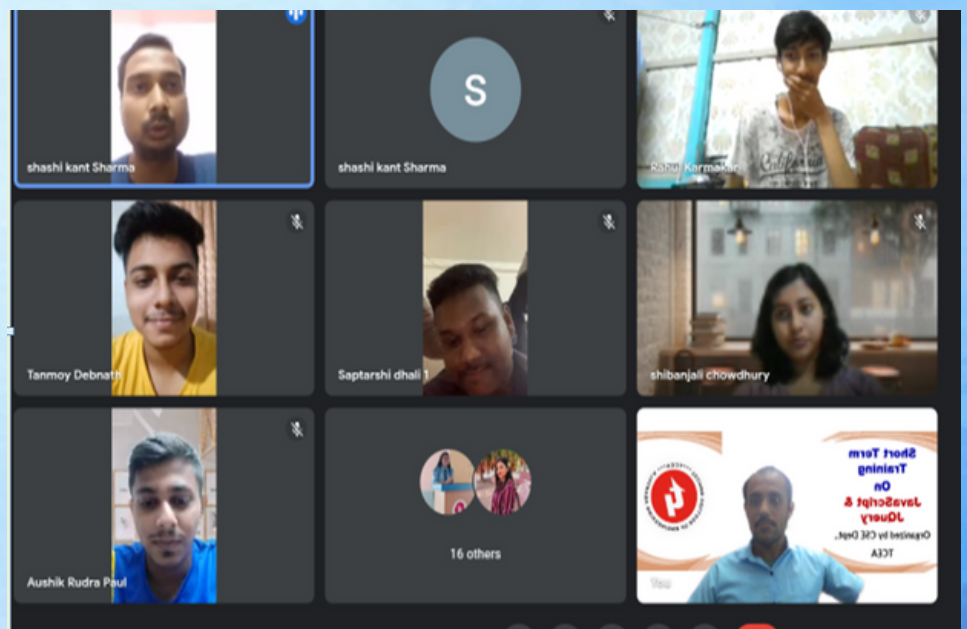
For more information, visit www.tce.edu.org or contact us on (+91) 8837387797 / 9774910480

Two- day Short Term Training Program on JavaScript & JQuery, was conducted in collaboration with the Electrogenics, Gurugram, Haryana was organized during 18th and 19th of June, 2022. **S.K. Sharma, MD in Electrogenics; Arindam Deb, Associate Trainer (Agartala Branch)** trained the student in online mode.

After the successful completion of the course the developers and the programmers are able to write JavaScript in a faster and easier manner. The programmers are also able to identify and correct the common browser errors.

The programmers are capable to work with multiple browsers, so that the code become compatible regardless of whatever features the browser contains. The programmers are also able to compress the most common JavaScript actions into fewer lines of code.

Short Term Training On JavaScript & JQuery
Organized by CSE Dept.,
TCEA




FACULTY DEVELOPMENT PROGRAM

Five-day faculty development program on emerging technology, 2022 from 9th - 13th May, 2022. Several eminent speakers such as Indranath Chatterjee, Professor, CSE, Tongmyong University, Busan, South Korea; Suraj Debbarma, Principal, Gomati District Polytechnic, Udaipur; Dr. Debarka Mukhopadhyay, Associate Professor, Department of Computer Science and Engineering, Christ University, Bengalore; Ankur Biswas, Assistant Professor & HoD, Dept. Computer Science & Engineering, Tripura Institute of Technology(TIT), Narshingarh; Shantanu Mukherjee, Senior Consultant and Researcher in Software Testing, has delivered their talks on emerging technologies which includes a variety of technologies such as Machine learning, information technology, Internet of Things (IoT), and robotics etc.

After the successful completion of the FDP, the participants are able to learn from large volumes of data and discover specific trends and patterns that would not be apparent to humans.

C H E I F P A T R O N S
E X P E R T S P E A K E R S

CHEF PATRON



Prof. Manoshi Roy Chowdhury, Hon'ble
Co-Chancellor, Techno India University, West Bengal
and Co-Chairman, Techno India Group

PATRONS

Prof. (Dr.) Kisor Ray, Director, School of Data Science, Techno India University W.B., & Director General, Techno India Group
Prof. (Dr.) Pinal Prasad Acharyya, Principal, TCEA
Dr. Dibakar Deb, Dean R & D, TCEA

ADVISORY COMMITTEE

Dr. Abhaji Saha, Basic Science & Humanities, TCEA
Dr. Ansh Paul, Basic Science & Humanities, TCEA
Dr. Priyanka Majumdar, Basic Science & Humanities, TCEA
Mr. Partha Pratim Deb, HOD, Computer Science & Engineering Department, TCEA

ORGANIZING COMMITTEE

Mr. Saakha Subhan Debnath, Assistant Professor, CSE, TCEA
Mrs. Tanusree Poddar, Assistant Professor, CSE, TCEA
Mr. Kankun Saha, Assistant Professor, CSE, TCEA
Mrs. Anjita Bhattacharya, Assistant Professor, CSE, TCEA
Mrs. Parigata Majumdar, Assistant Professor, CSE, TCEA
Mrs. Parvita Chatterjee, Assistant Professor, CSE, TCEA

SCHEDULE

Date	Event	Time
09-05-22	Inauguration of the FDP by Prof. Manoshi Roy Chowdhury, Hon'ble Co-Chancellor, Techno India University, West Bengal and Co-Chairman, Techno India Group	6:40 - 6:50 PM
	Welcome Address by Prof. (Dr.) Pinal Prasad Acharyya, Principal, TCEA	6:50 - 6:55 PM
09-05-22	Introduction speech by Mr. Partha Pratim Deb, HOD, CSE, TCEA	6:55 - 7:00 PM
	Talk By: Dr. Indranath Chatterjee Topic: Natural Language Processing	7:00 - 8:30 PM
10-05-22	Talk By: Mr. Suraj Debbarma Topic: An overview of Language models	7:00 - 8:30 PM
11-05-22	Talk By: Dr. Debarka Mukhopadhyay Topic: Introduction to Blockchain	7:00 - 8:30 PM
12-05-22	Talk By: Dr. Ankur Biswas Topic: Emerging Trends in Data Science and Machine Learning Platforms	7:00 - 8:30 PM
13-05-22	Talk By: Mr. Shantanu Mukherjee Topic: Software Testing and its significance in the digital world	7:00 - 8:30 PM

ABOUT THE INSTITUTE

Techno College of Engineering Agartala (TCEA), a unit of Techno India Group (Approved by AICTE, Govt. of India and Affiliated to Tripura University) was established in the year 2014. At present the Institute is running with 8 UG level courses and 3 Diploma Courses. Out of these courses, 3 degree courses and 3 diploma Courses are in the field of Emerging Technology. The Institute is dedicated to creating highly trained professional manpower in various disciplines of Engineering and Technology with an aim in creating individuals with high moral, commitment, dedication & loyalty to serve the society and the nation.

OBJECTIVE OF THE FDP

The main objective of the program is to form a bridge between the industry and academic institutions to appraise their knowledge and to impart the basic concepts and techniques of Emerging technologies which includes a variety of technologies such as Machine learning, information technology, IoT, robotics etc.

EMINENT SPEAKERS



Indranath Chatterjee
Professor, CSE, Tongmyong University, Busan, South Korea



Suraj Debbarma
Principal, Gomati District Polytechnic, Udaipur



Dr. Debarka Mukhopadhyay
Associate Professor
Department of Computer Science and Engineering,
Christ University, Bengalore



Ankur Biswas
Assistant Professor & HoD
Computer Science & Engineering Dept.
Tripura Institute of Technology, Narshingarh



Shantanu Mukherjee
Senior Consultant and
Researcher in Software Testing

FACULTY DEVELOPMENT PROGRAM

IoT is a network of interconnected, embedded devices that can capture and transmit data without the need for human interaction over a wireless network. Several IoT applications in everyday life include smart wearables, smart health monitoring, traffic monitoring, IoT in agriculture with many sensors, smart devices, robots in hospitals and agricultural fields, smart grid and water supply, and so on are visualized and their operating principles and conditions are viewed.

B R O C H U R E

FACULTY DEVELOPMENT PROGRAM ON EMERGING TECHNOLOGY

9th - 13th May, 2022

Organized By
Department of Computer Science & Engineering
of
Techno College of Engineering Agartala
Affiliated to Tripura University (A Central University)
and approved by AICTE

ORGANIZING CHAIR
Mr. Partha Pratim Deb,
Head of the Department,
Computer Science & Engineering,
Techno College of Engineering Agartala
Email: tcea.cse@gmail.com

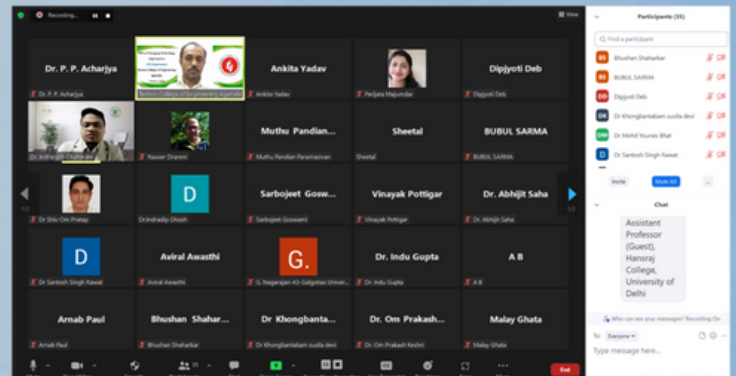
Coordinators
Coordinator: Mr. Partha Pratim Deb
Co-coordinator: Mr. Sankha Subhra Debnath
Contact: +91-8794132092

REGISTRATION LINK
<https://forms.gle/BiEp1KEwrytflvE8>

No Registration Fee required.

Last date of registration: 8th May,
2022 till 5:00 PM.

CONTACT DETAILS
tcea.cse@gmail.com
+91-8794132092



Several Use case examples like AMR (Automatic Meter Reading), Smart City, Smart Home, Industrial Control, Smart Social Networks and Big Data Analytics are also discussed. Since the IoT devices are vulnerable to security threats The problem of “Identity of Things”, Device On-Boarding, Symmetric Encryption Standards, Symmetric Encryption (DES, AES etc), Hashing, Authentication and Encryption protocol, Usage protocol standards in 802.11, 802.15.4, Non Symmetric Encryption Standards, Diffie Hellman (principle, Man in the Middle attack) have been discussed in detail.

1ST INTERNATIONAL CONFERENCE

1st International Conference titled “**Machine Intelligence and System Sciences (MISS-2021)**” was jointly organized by Department of Computer Science and Engineering, Techno College of Engineering, Agartala, Tripura, India & Tongmyong University, Busan, South Korea during 1st and 2nd November, 2021.



All the published abstracts carry a valid DOI number and are indexed on Google Scholar, DBLP, Proquest, etc. The published abstract can be found on google scholar also. Those papers that are selected for submission of FULL LENGTH PAPER has been included in the Web of Science and SCOPUS indexed book published by Taylor and Francis, USA.

Several good-quality papers from the pool of the thousands of submitted papers has been submitted that are published in the form of a book chapter



1ST INTERNATIONAL CONFERENCE

The conference comprises of the following broad categories of topic but are not limited to:

- Machine Learning and IoT
- Smart Applications using IoT
- Agriculture 4.0
- Robotics Cloud Computing and IoT
- Big data Analytics etc.

1st International Conference of Machine Intelligence and System Sciences (MISS-2021) – November 1st – 2nd, 2021

THE IMPACT OF ARTIFICIAL INTELLIGENCE AND BIG DATA IN THE POSTAL SECTOR

Mary Ifeoluwa Olawuyi
Nasarawa State University, Nasarawa, Nigeria
Nigerian Postal Service, Abuja, Nigeria
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Paper ID: MISS21_86

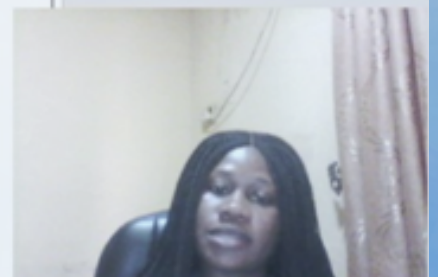
Abstract:

Background:

Postal network world-wide is considered a national infrastructure for economic development and it plays a strategic role in the digital inclusion initiatives. Digital Economy propels the adoption of emerging technologies by providing services to citizens and other government organizations. Artificial intelligence tends to improve capacity, efficiency, flexibility and cost effectiveness of services. Delivery services are increasingly important in its ability to offer everyone access products translating to socio-economic and business benefits. The Post has therefore become a veritable tool for helping governments to successfully achieve its national transformation strategies.

Objectives:

To examine how Artificial intelligence technology will drastically impact the normal operations of postal sectors by using drones, robotics, automated machine to communicate with customers, assist



WEBINAR ON AI

Webinar on
ARTIFICIAL INTELLIGENCE
for Developers
by NIELIT Agartala

Speaker
Subhrajit Roy
Faculty (Computer Science)
Department of Computer Science
NIELIT Agartala

Date
31.01.2023

Time
2.45 PM to 3.45 PM

WhatsApp Join Registration

<https://nielit.gov.in/agartala/>

A webinar on AI has been organized on by NIELIT Agartala under Future Skills PRIME on 31st January, 2023. After the successful completion of the webinar, participants learn about all living and artificial capability of the intelligent reasoning, perception and behavior of AI.

Specific research topics are also covered that includes :

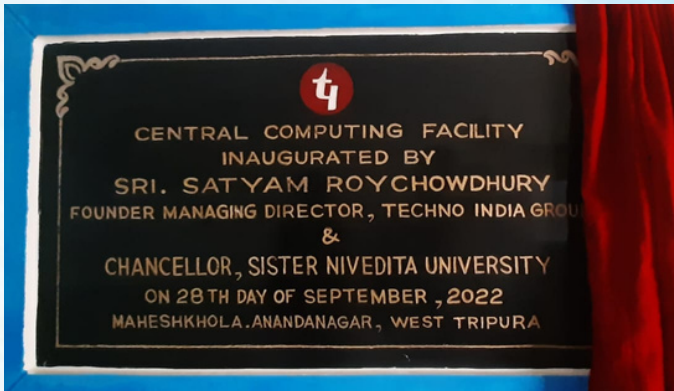
- Core AI computational biology.
- computer graphics.
- computer vision.
- human language technology.
- machine learning.
- medical informatics.
- robotics.
- the semantic web etc.



Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing, speech recognition and machine vision

DEPT. OF COMPUTER SCIENCE LABS

CENTRAL COMPUTING LAB



Our Collge Central Computer Lab is inaugurated by the honorable MD. of Techno India Group Mr. Satyam Ray Choudhury and the Director Mr. Kunal Ganguly on 28th of September 2022. Dept. of CSE has the following highly sophisticated laboratories that are well equipped in accordance with all the requirements of:

The Department of CSE is equipped with well structured computer labs with more than 150 high quality machines from Lenovo, Dell, HP companies. Printer is provided and each computer is connected to high speed internet connectivity. The campus wide area network is connected by all the service points. The whole campus is provided with the facility of Wi-Fi Connectivity including Central Library.

- Computing Facility
- Internet Connectivity
- Campus Wide Network



DEPT. OF COMPUTER SCIENCE LABS

ARTIFICIAL INTELLIGENCE LAB

The overall research goal of AI lab is to create technology that machines to imitate complex processing of human brains. The general problem of simulation of real-life applications is broken down into small sub-problems. Artificial Intelligence (AI) has already helped in transforming our lifestyle drastically. From the car manufacturing and medicine search, to autonomous driving, sports and game highlights, hotel descriptions -all are automated AI enabled, computer-generated texts these days.



The Lab is dedicated to train students as data scientists and researchers to use deep learning and accelerated computing to solve real-world problems across a wide range of domains that includes:

- Knowledge representation and Reasoning
- Machine learning
- Cognitive vision
- Natural language processing



DEPT. OF COMPUTER SCIENCE LABS

CLOUD COMPUTING LAB

Cloud computing Lab is dedicated to provide us on-demand access, via the internet, for computing resources—applications, servers (physical servers and virtual servers), data storage, development tools, networking capabilities, and more—hosted at a remote data center managed by a cloud services provider.



The Cloud Computing Lab is specifically designated to meet the following goals:

- On demand Availability
- Remote Accessibility
- Resource efficiency
- Scalability on demand

The Cloud Computing Lab will provide the students with access to virtual machines running various operating systems and applications. Hands-on Labs are provided to gain real experience with the Fundamentals of Cloud Computing. The Amazon Web Services, Microsoft Azure, Google Cloud Platform and Alibaba Cloud are the different cloud platforms that are been taught to the students.



IMAGE PROCESSING LAB

Image processing lab is dedicated to teach students about Image Enhancement, Image Restoration, Image Segmentation, Object Detection, Image Compression, Image Manipulation, Image Generation, Image-to-Image Translation and so on.



The Image Processing Lab is specifically designated to meet the following goals:

- Understand the basics of images, image processing and software tools used to implement various algorithms used in image.
- Develop a balanced view of modern image processing studies between theoretical aspects and practical implementations.
- Learn about the problems and issues associated with automated image analysis algorithms and techniques from the perspective of quantitative image analysis.
- Know implementation of broad range of computer vision techniques
- Implement computer vision techniques with emphasis on practical aspect.

OBJECT ORIENTED PROGRAMMING LAB

Object-oriented programming (OOPS) is a programming paradigm based on the concept of "objects", which may contain data, in the form of fields, often known as attributes; and code, in the form of procedures, often known as methods. This lab is dedicated for students to work on practical experiments and projects related to courses such as C/C++, JAVA, Python programming.



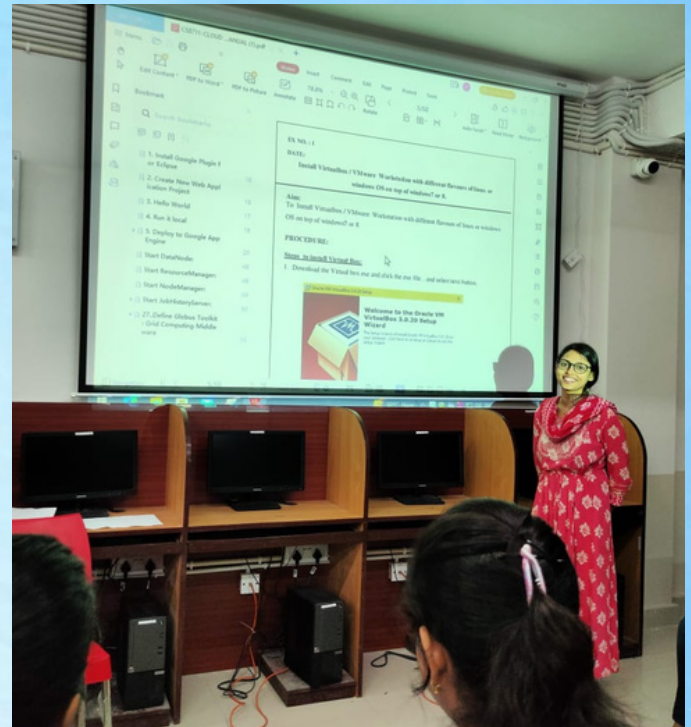
This lab purpose is to enhance the programming skills of the students by giving practical assignments and also requisite knowledge about the concept- Object Oriented Programming through C++, JAVA, Python programming so that they can design their own Applications/ Projects. The Object-oriented Programming(OOPS) Lab is specifically designated to teach the students about the implementation of Class and Object creation, which also includes Implementation of Constructors and Destructors, Inheritance, Packages, File Handling and different Event-Driven Programming.



DEPT. OF COMPUTER SCIENCE LABS

NETWORK LAB

The Networking Laboratory in the Department is designated to that the experiments reinforce the theory covered in lectures, while hands-on programming exercises train students to fit into networking positions in industry. This lab provides necessary facilities to carry out



experiments with emphasis on simulation of communication and computer networks. It also facilitates the research scholars to pursue their research in the field of Networks through simulation analysis and using test beds. Students are able to learn practical implementation of the cross-wired cable and straight through cable, different network devices, network IP.

They learn connecting the computers in Local Area Network, basic network command and Network configuration commands, Performing an Initial Switch Configuration, Initial Router Configuration, Troubleshooting a Switched Network, Connecting a Switch etc.

TRAINING ON IT/ITeS FOR TBSE SCHOOL

ORGANISED BY TCEA

According to the new syllabus introduced by the Secondary Education and Higher Education of the State Government of Tripura, Industrial Visit was added as a mandatory course for all the students of Class IX-XII . So, TCEA not only helped many schools regarding this matter but also made sure that all the students coming from each and every school got the best training experience from the visit. The Dept of CSE took the initiative on behalf of TCEA and came forward and made the industrial visits successful. So, over the past few years, many schools throughout Tripura have chosen TCEA as the best place to take their students for the visit and the Dept of CSE didn't disappoint them. Asst. Prof. Sankha Subhra Debnath from the CSE Dept. took the initiative and presented himself in front of the students with the best possible knowledge.



TRAINING ON IT/ITeS FOR TBSE SCHOOL

ORGANISED BY TCEA



He spoke to the students regarding the industrial visit on IT/IT-eS which included all the important information regarding TCEA, the different courses available in our college, the admission procedure of TCEA, the different placement records which took place over the last 4 years at TCEA campus and also went through many other aspects. This not only helped our college in a broad aspect of coming in light but also collected the data of over more than 500 students throughout different schools. This in turn will help in the admission process further.



EXTRACURRICULAR EVENTS



THE WALL MAGAZINE COMPETITION



A Wall magazine competition with the theme “Great Engineering Minds” have been organized on 4th November, 2022 , by Asst. Prof. Parijata Majumdar where students from all the departments have participated inside the TCEA Campus.

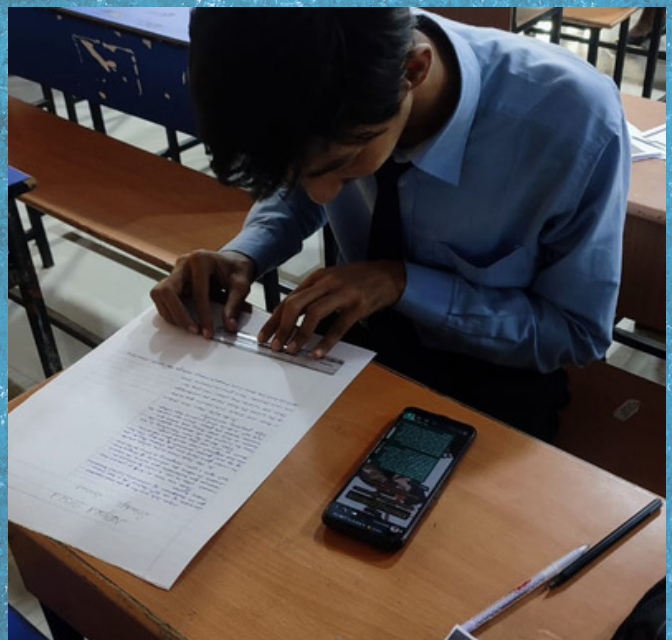
TECHNO COLLEGE OF ENGINEERING AGARTALA
presents
**WALL
MAGAZINE
COMPETITION**
on
GREAT ENGINEERING MINDS

Scan to Register

Friday
November 4th, 2022

organised by
DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

TCEA CAMPUS



EXTRACURRICULAR EVENTS

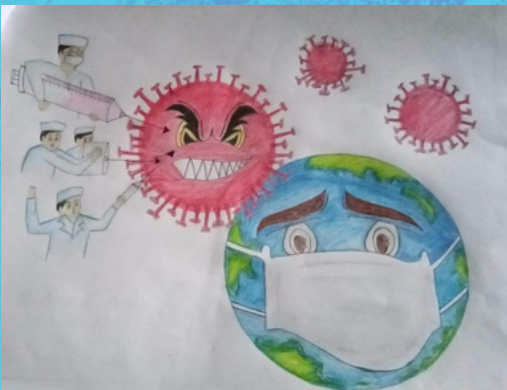
IQ-VECTOR

An Essay Writing and Quiz Competition has been organized by Asst. Prof. Parijata Majumdar, titled "IQ-Vector" ("Where the Going gets tough") divided in 4 Rounds- Rapid Fire, Carry Over, Power Up and Finale where the students of CSE departments have participated inside the TCEA Campus on 17th June, 2022.

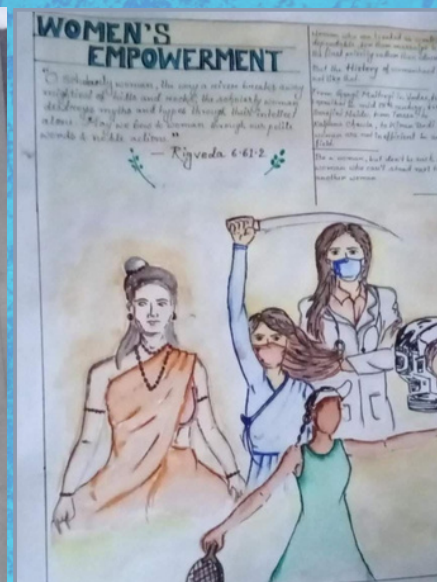


EXTRACURRICULAR EVENTS

POSTER AND PAINTING MAKING COMPETITION



Painting and Poster Making Competition in association with Fine Arts Club have been organized on 8th April, 2022 by Asst. Prof. Parijata Majumdar, on the theme-“Say No to War”, “Women Empowerment”, “Mental Health Awareness”, “COVID-19-Do’s and Dont’s”.



URJJA 2.0



Techno College of Engineering Agartala (TCEA) organized a sports week, Urjja 2.0 in November 2021.

It provided the students with the opportunity to test their mettle outside of classrooms in various sports activities comprising of cricket, football, volleyball, kabaddi etc.





ENLIGHTENMENT 2.0

Techno College of Engineering Agartala organized **Enlightenment 2.0** on 21st October 2021.



This festival was celebrated with the dazzling display of lights. Student and staffs illuminated diyas, candles and lighted thousands of sky lanterns.





AAGAM 2.0

On the 14th of Dec 2022 TCEA organized its annual cultural program “AAGAM 2.0” where the winners of NUMERICA 2.0 were being awarded. The Headmasters/Headmistress of different schools all across the states also were being felicitated with the title of “Shiksha Sanmaan”. Special guests holding valuable and important posts from different government sectors and officials were also being invited in joining hands for the program.



In this program the freshers of 2022-23 were welcomed to the TCEA Family. The students of TCEA also performed different activities which included group/solo dance, group/solo songs etc



UTTHAN 1.0



Utthan 1.0 is an awareness program for the SC/ST students of TCEA. This program is basically for the students who are eligible for stipend but due to the lack of awareness they can't apply for it. Utthan 1.0 was organized by the Asst Prof Sankha Subhra Debnath alongside the other members of SC/ST Cell.



It made the students aware about all the stipends they can apply for. This stipend amount is a pre-determined sum paid by the scholarship department of the State Government & also by the Central Government to aid academic expenses for the students. This program not only made the students aware of the scholarship schemes available but also motivated the students to apply and search for relevant schemes and scopes that might be beneficial for a student.



BLOOD DONATION CAMP



Blood is the main reason we all are alive; the blood (RBC) carries oxygen from the lungs to all the parts of our body.

The moment this process is hampered, a person's life is in danger. That's why during many accident cases, the victim dies due to excessive blood loss or brain haemorrhage.

Blood donation is the greatest donation and noble step in the service of humanity. A blood donation camp was organised where faculty members and students of CSE Department have actively participated.



"Be the reason for someone's heartbeat"

FACULTY FELICITATION

TCEA organized an award giving ceremony on the prestigious occasion of TEACHER'S DAY to felicitate their bright students who scored very good results in their academics throughout the year 2021-22 and also to those who were regular in class and got the highest attendance. Students from each of the branches were being felicitated and awarded for scoring highest marks in their respective semesters. Alongside the students, faculty members were also being awarded for showing excellency and proficiency for their hard work and dedication towards the institute in different fields of research, teaching and academic performances.



BEST FACULTY AWARD
received by **MR. KANKAN SAHA.**
Asst. Prof. Dept. of CSE

BEST PROJECT AWARD

Miss. Sourabarna Roy received the award for Best Project. The title of her thesis was "**Stock Index Forecasting using Extreme Learning Machines**". This project was completed within 6 months under the guidance of Asst. Prof. Partha Pratim Deb. She received the award for the academic year 2021-22. It was an individual project.



Miss. Sourabarna Roy
CSE, 4th Year



Toppers (Odd sem 2022)

25

3rd semester



SANTOLOKE PAUL
SGPA-9.35



ADITYA DEBNATH
SGPA-9.35



PRANTIK DE
SGPA-9.3

5th semester



SOURAMITA BHOWMIK
SGPA-9.26



JAGRITA PAUL
SGPA-8.6



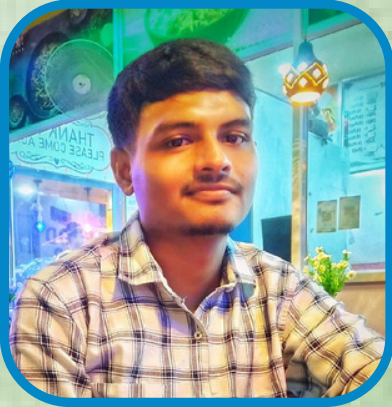
SAUGATA CHOUDHURY
SGPA-8.55



JOYDEEP BHOWMIK
SGPA-8.4

7th semester

Toppers (Even sem 2022)



ADITYA DEBNATH
SGPA-9.96



ARNAB SAHA
SGPA-9.74



SANTOLOKE PAUL
SGPA-9.70

4th semester



SOURAMITA BHOWMIK
SGPA-9.64

6th semester



JAGRITA PAUL
SGPA-9.08



SAUGATA CHUDHURY
SGPA-8.88



SRESTHA MAJUMDER
SGPA-8.86

8th semester

STUDENT PLACEMENT 2022



SRESTHA MAJUMDER
COGNIZANT (4 lpa)



SOURADEEP SAHA
BOLTMETRIC(3.7 lpa)



SOURABARNA ROY
INMOVIDU(7 lpa)



RUCHISMITA MAJUMDER
ACMEGRADE(6 lpa)
INMOVIDU(7 lpa)



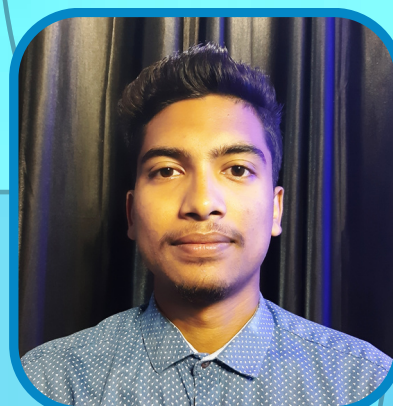
ANTARA BHOWMIK
INMOVIDU (3 lpa)



DEBANKITA
MUKHOPADHYAY
INMOVIDU(7 lpa)



DEBASMITA PAL
INMOVIDU(7 lpa)



ANADYANTA DHAR
INMOVIDU



TRISHNA DAS
INMOVIDU(4 lpa)

STUDENT PLACEMENT 2022



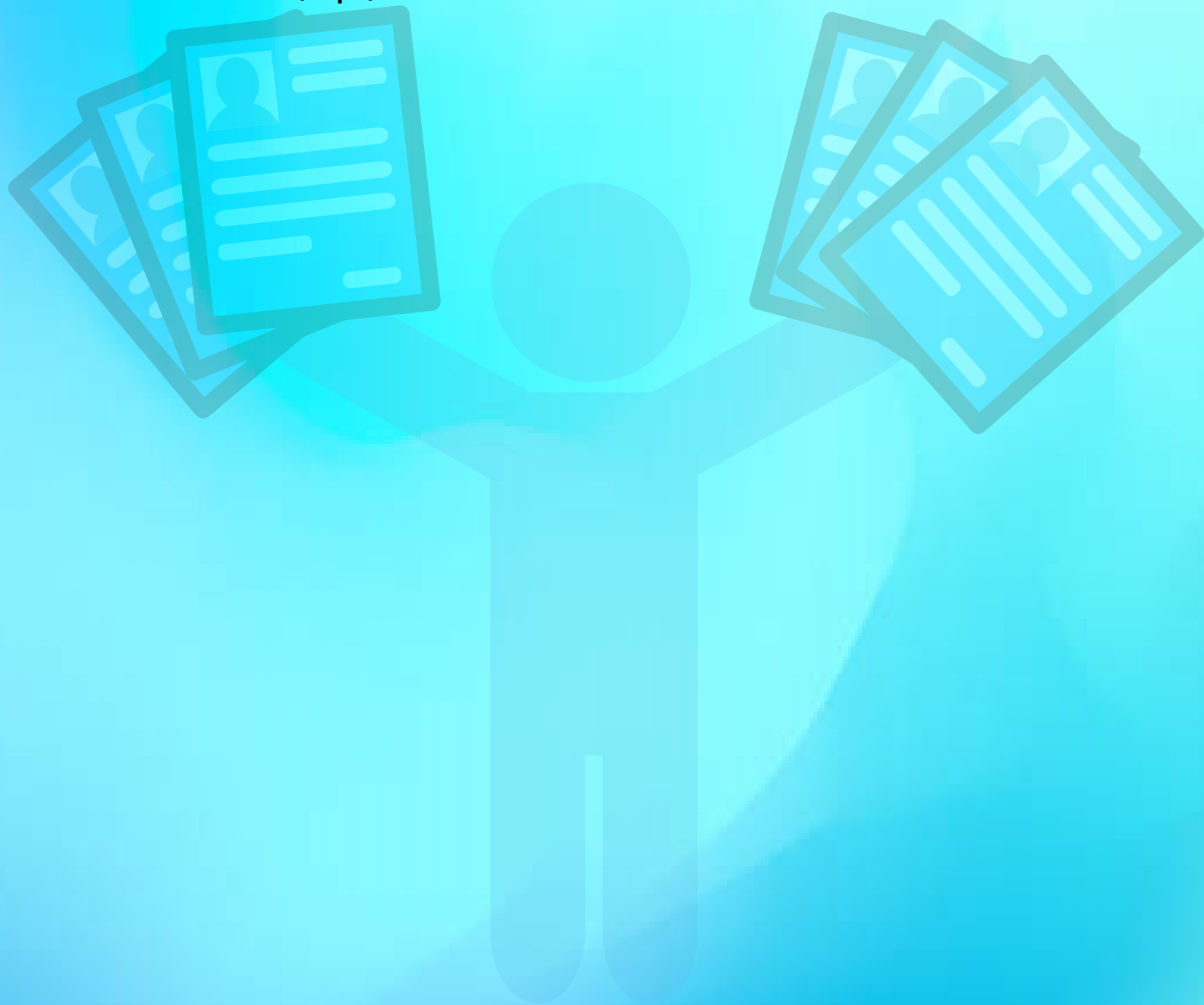
SAUGATA CHOUDHURY
INMOVIDU(4 lpa)
ACMEGRADE (6 lpa)



JOYDEEP BHOWMIK
COGNIZANT (4 lpa)



ROSHNI DATTA CHOUDHURY
INMOVIDU(4 lpa)



FACULTIES



"The errors which arise from the absence of facts are far more numerous and more durable than those which result from unsound reasoning respecting true data."

-Charles Babbage



CODE CONNECT

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