



ANAND
INTERNATIONAL COLLEGE OF ENGINEERING
Approved by AICTE and Affiliated to RTU, Kota

TECHNICAL MAGAZINE



REAP Code 124

ECHOES

Hackathon Stories
Technical Trends

Volume 1, Issue 1, June 2021
ISBN 978-81-9539-961-1

Content	Page No.
Vision & Mission	2
About Anand-ICE	3
Messages for the Luminaries	4-5
Editor in Chief	6
Editorial Board	7
All rights are reserved	8
2nd International Conference on Recent Development in Engineering & Technology	9-19
• Inaugural	9
• About This 2nd International Conference:	10
• Area and Topics	10-13
• International Keynote Speakers	13
• Closing Ceremony	14-18
• Conference Photographs	19
<i>SOFTECHHACK-2021</i>	20-30
• Poster Launching	20
• Website Launching	21
• Inaugural	22
• Mentoring Session	23-24
• Judging Rounds	25-27
• Prize Distribution	28-30
PLAY WITH CODE 2.0	31-37
• About Play with Code 2.0	31
• Objective	32
• Valedictory	32-34
• Prize Distribution	35-37

Vision

“Be Acknowledged Globally for Value based Education & Innovation in Service of Humankind”

Mission

“To Achieve and sustain excellence in teaching, research and enrich local, national and international communities through our research, skills of alumni and published academic educational materials”

About Anand-ICE

Anand International College of Engineering (Anand-ICE), approved by AICTE is amongst the premier RTU affiliated colleges in Jaipur established in the year 2010. Since its inception, the institute persists its credentials of joyous teaching-learning environs of global standards and offers B-Tech Degree programs in Civil Engineering, Computer Science Engineering, Engineering, Computer, and Mechanical Engineering. The Institute nurtures intellectually inspiring Academic Environment with world-class infrastructure, state-of-the-art laboratories, and a lush green landscaped campus.

The Anand-ICE distinguishes its lineaments and comes out as a quality-learning place that has placed it among the best-emerging engineering institutions of India (The Times of India). Being the AICTE approved engineering college, Anand-ICE family comprises eminent academicians & scientists as faculty who also extend Academic parenting to the students. The family further broadens its intellectual arena by bringing internationally renowned professionals on board for achieving a higher mark of academic intelligence.

The institute has adopted innovative pedagogies including project/ research-based learning while facilitating students to not only deeply understand the fundamentals of engineering sciences but also train to obtain sustainable solutions of real-life problems. Further, the curriculum is furnished with intensive industrial training & practices, corporate learning and life skills, with a step ahead to what regular AICTE approved engineering colleges in Jaipur offer.

Additionally, the Anand-ICE has employed a unique feature of empowering students for making them compete globally. Within a short period, the institute has built strategic partnerships with various renowned foreign universities of USA, UK, Italy, Turkey, Russia and Thailand for Students' Summer Training on Scholarship. The institute also encourages the students to incubate their innovative concepts to foster new ventures through the Anand Incubation Centre.

Further achieving a higher mark of excellence, the Anand-ICE has an association with reputed Research/ Training Institutes/Industries and draws all possible benefits from their expertise on quality hands-on-learning for enabling students to excel in their careers because studying in AICTE approved colleges is alone not enough for a propitious career.

The campus enriches students with a diverse range of competencies and gears them up to respond to the challenges of every aspect of life and compete globally. The success of our students in the wider world itself speaks for them.

**FROM THE OFFICE OF
THE CHAIRMAN**

The First Edition of “Echoes” is out and it is a landmark in the 10 year run of the college. I would like to reiterate the commitment of everyone who made this journey such a valued and fruitful one. The most spectacular part has been the herculean effort made by all who have contributed to the tallest as well as the most basic jobs at this institution.

The smallest trifles have been the biggest things that we have achieved here as a team. My heart reaches out to the exceptional commitment of the college students who have made Anand-ICE an Educational destination in not only Rajasthan but the entire country.

We are a name to reckon with today. Our reputation surpasses boundaries and spills over into distant lands. A mere 5 batches of students who have graduated from the college since inception in 2010 have made us proud nationally and globally and have managed to carve a niche for us. God Bless them!!!

I would once more like to thank all for the subtle support and care that they have given to nurture this wonderful institution. All my wishes to the Editorial team for doing such a commendable job.

Manoj Mittal

**FROM THE OFFICE OF
THE VICE CHAIRPERSON**

My sincerest congratulations on the launch of our technical magazine “Echoes”. This magazine signifies a milestone in the life of Anand International College of Engineering. We have been working on many ends for quite some time now and this initiative would prove to be a mirror of all those efforts that need to be highlighted and published. I would personally like to approve of the tremendous efforts of the faculty and students who have made this possible.

This Bi-yearly publication will enhance the way our students and people perceive Anand-ICE.

Looking forward to reading and contributing to this classic effort.

Monika Mittal

**FROM THE OFFICE OF
THE PRINCIPAL**

“Echoes” was a personal interest as Anand-ICE desperately wanted a publication that would eventually highlight its smallest achievements and talk about its vision for the future. This magazine is bound to attract talent from all sides. The campus wanted a platform for all its technical and cultural activities to be reported and this is exactly what Echoes will achieve.

My personal gratitude to all the people concerned and to their sincere efforts in making this publication a reality.

Prof. (Dr.) Vijay K. Sharma

**FROM THE OFFICE OF
THE VICE PRINCIPAL**

“Grande reussite” It gives me immense pleasure to label our magazine a great achievement primarily because of the efforts that have gone into it. Echoes have been phenomenally conceived and brought out. The passion that has gone into both of them is an indication of how talent needs conviction and a great platform. I personally would like to wish the editorial team as well as writers who have contributed to this publication and made it so worth reading.

Prof. (Dr.) Praveen Agarwal

Editors in Chief

Ms. Monika Mittal
Vice-Chairperson, Anand-ICE

Prof. Vijay K Sharma
Principal, Anand-ICE

Prof. Praveen Agarwal
Vice-Principal, Anand-ICE

Editorial Board

Prof. Anil Dhawan
(Head SBAS)

Prof. Sanjana Chugh
(COE)

Prof. Bhavana Mathur
(Head SAME)

Dr. Sunil Kumar Jangir
(Head SCIT)

Er. Pramil Sinha
(Head SEPE)

Er. Shiv Kumar S
(Head SCEE)

Er. Vivek Bhojak
(Head SECE)

Mr. Sandeep Jaiman
(Head SLLL)

Ms. Riddhi Bharadwaj
(TPO)

Mr. Prashant Joshi
(Sr. Corporate Trainer)

ECHOES

ISBN Number: 978-81-953996-1-1

All rights are reserved.

Published by:

Anand International College of Engineering
Near Kanota, Agra Road, Jaipur - 303012 (Raj.).

Title	2nd International Conference on Recent Development in Engineering & Technology
Date	February 26-27, 2021
Venue of Event	Online – Zoom Meeting & Google Meet
Number of Registered Participants	272
Number of papers Presented	112
Number of Countries participated	15
No. of Journals for paper publications	Special Issue of 5 Journals: <ol style="list-style-type: none"> 1. Special Issue of “Advanced Mathematical Tool-Based Internet of Things (IoT)” 2. Special Issue of “ Journal of Nonlinear Sciences and Applications” 3. Special Issue of “Engineering and Applied Science Letters (EASL)” 4. Special Issue of “Communications in Mathematics and Applications” 5. Special Issue of “Applications in Applied Mathematics: An International Journal (AAM)”.

Inaugural:

2nd International Conference start with a welcome note by Respected Vice Chairperson Anand ICE, Ms. Monika Mittal, The Conference is inaugurated by Prof. (Dr.) D K Palwalia, Dean of Academics, RTU Kota, after that Prof. Vijay Sharma, (Principal Anand-ICE) mention remark about Anand-ICE, in the same sequence Prof. Praveen Agarwal (Vice Principal &Coordinator, Anand-ICE), present remark about research and development at Anand-ICE, Prof. S. K. Sharma, (Coordinator from RTU, Kota) focus on objective and various fields covered under the program,

with this Chief Guest from RTU, Kota. In this conference inaugural program Prof. Yang Quan Chen, University of California, USA addressed his remark about this International Conference. Prof. Dharendra Mathur, TEQIP- III coordinator RTU, Kota present his valuable thoughts, vote of thanks to all the guest given by Prof. Praveen Agarwal (Vice Principal & Coordinator Anand-ICE) and Dr. Bhavana Mathur, Head, Mechanical Engineering Dept. Anand-ICE, Jaipur.

About 2nd International Conference:

This proposed International Conference will provide some of the key in technical education that are encountered in academic research. In the part of real-life problems is an important aspect of applied by recent technologies that caters to various areas of applied science and engineering. It is aimed, through this Conference, to throw light on the understanding of various engineering problems. Simulation and Computational Modeling - a highly multi-disciplinary field with ubiquitous applications in science and engineering - is one of the keys enabling technologies of the 21st century.

Simulation and Computational Modeling: With Applications in the Natural and Social Sciences, Engineering, and the Arts is an ideal resource for professionals in various areas of Technical and statistical sciences, modeling and simulation, physics, computer science, engineering, biology, and chemistry, industrial, and computational engineering.

Area and Topics: -

- A Review of Machine Translation Approaches for Natural Language Processing: Comparison and Challenges"

- DESIGN SYSTEM TO SECURE PAYMENT GATEWAY USING HYBRID CRYPTOGRAPHY TO IMPROVE PERFORMANCE AND SECURITY OF THE NETWORK
- "A Review on Decision Support System for Air Quality Management"
- "Fog-based Architectural Framework for Resource management in Fog Computing"
- Data Augmentation Techniques to Classify Healthy and Bacterial Blight Leaves of Chilli
- Iris recognition through transfer learning and exponential scaling
- A Relative Study of Control Strategies in Artificial Intelligence
- Artificial Neural Network based Automatic Prediction unit for COVID-19 in Asymptomatic Patient
- Machine Learning for Remote Sensing Images
- "Survey on Cloud Secure System Time Deletion Algorithm"
- Neonatal Monitoring System: Review and Future Directions
- To Find the Shortest Path Tree Problem & Developed Some Algorithms in Multi-Objective Optimization
- Hybridization of Texture Features for Identification of Bi-lingual Scripts from camera images at word-level
- Comparative Study of Error Tolerance Technology in Cloud Website and Related Application
- "Early Urine-Infection Prediction Framework using XGBoost Ensemble Model in IoT-Fog Environment"
- DARK ADMIRAL- THE NIGHTMARE BEGINS A DIGITAL GAME
- Detection of Phishing Website
- "A Study on Epidemiological Study–Spatial and Artificial Intelligence Based Modeling for COVID-19"
- Modeling on Transmission Dynamics of Skin Cancer due to the Exposure of Ultraviolet Radiation
- An Improved Multi-label k-Nearest Neighbor Algorithm with Prototype Selection using DENCLUE
- Basic Understanding of Cloud Computing
- A Comprehensive Study of Page-rank algorithm
- Internet of Things in Smart Grid: A Comprehensive Review of Opportunities, Trends, and Challenges

- Detection of Security Attacks on Block chain using Machine Learning Approach
- "THE POWER OF VISUAL ANALYTICS AND LANGUAGE PROCESSING TO EXPLORE THE UNDERLYING TREND OF HIGHLY POPULAR SONG LYRICS"
- "Using of Machine learning techniques to detect Credit Card Fraud"
- "An Artificial Intelligent Decision Support System for Estimated Glomerular Chronic Kidney Disease"
- Sentiment Analysis on Twitter by Using Text Blob for Natural Language Processing
- A Web-Crawler Based Architecture for e-Course Content Development
- Survey on Cloud Secure System Time Deletion Algorithm
- Global Governance of Artificial Intelligence: Ethical, Legal Challenges and Changes in Economy
- "Predicting Employee Turnover with the Modeling of Hybrid Neural Network for Human Resource Management"
- "Voice to Sign Language Conversion for Deaf and Dumb People"
- "A Novel Hybrid Computational Approach of Feature Engineering for Machine learning to Identify Suicidal ideation on Social Media"
- DESIGN AND IMPLEMENTATION OF CHAT BOT
- Breast Cancer Prediction Using Machine Learning Classifier
- Review on A FULL DUPLEX COGNITIVE RADIO BASED ON ENERGY HARVESTING
- "Analytical study on factors affecting Map Reduce performance in Cloud-Based Environment"
- Optimized K-Means with Dynamic cluster count
- "Measure Temperature & Humidity on Local Web Server for Home Automation System using NodeMCU ESP8266 Wi-Fi Module "
- Practical Approach of Ethical Hacking using Python
- "Internet of Things: Architecture, Enabling Technologies & Protocols, Applications, Challenges and Future Scope"
- "Cyber Security threats: Recent Advances and Challenges "
- "IoT Based Remote Monitoring System for Quality Control of Drinking Water at Unmanned Water Stations"
- "DESIGN OF COHERENT DIGITAL RECEIVER"

- "Transfer Learning based Feature Fusion Approach for Handwritten Digits Recognition of Devnagari Script"
- "Fuzzy Arithmetic Geometric Divergence and its Utility in Pattern Recognition"
- "Fuzzy Coding Theorems on Generalized Havrda-Charvat and Tsallis's Entropy"
- "Image denoising: A non-local convex regularization energy minimization "
- Word Sense Disambiguation: A Survey
- "Career Prediction for Rural students: A Methodology Based on Machine Learning Approach"

International Keynote Speakers

- University of Tuscia, Italy, Prof. Carlo Cattani
- Baku State University, Azerbaijan, Prof. Fikret A. Aliev
- Univ. of California, USA, Prof. Yang Quan Chen
- International Telematic University Uninettuno, Italy, Prof. Clemente Cesarano

National Invited Speakers

- IIT Mandi, Dr. Manoj Thakur
- MNIT, Dr. Rajesh Gupta
- IIT Indore M.P, Dr. Sk. Safique Ahmad
- IIT Kharagpur, Prof. Shailendra Varshney
- MANIT, Bhopal, Prof. N.P. Patidar
- NetajiSubhas University of Technology, New Delhi, Dr. Vijay Gupta
- NIT Bhopal, Dr. Rajesh Nema
- NIT, Hamirpur, Dr. Neha Yadav
- TIFR Centre For Applicable Mathematics Bangalore, Prof. G D Veerappa Gowda
- CSE Department, UCET Bikaner, Dr. Ajeet Singh Poonia
- Manipal University, Dr. Sanyog Rawat
- Christ University, Bangalore, Dr. Sandeep Kumar
- IIIT Noida, Dr. Mukesh Saraswat
- JKLU, Dr. Pushpendra Singh
- Amity University, Dr. S. K. Singh

TEQIP-III RTU(ATU)
Sponsored
2nd (ONLINE) INTERNATIONAL CONFERENCE ON "RECENT DEVELOPMENTS IN ENGINEERING AND TECHNOLOGY"
26th – 27th February, 2021
Organized By

ANAND INTERNATIONAL COLLEGE OF ENGINEERING, JAIPUR
TENTATIVE SCHEDULE

Day-1, 26.02.2021-Friday					
Between Hours	Activity	Time		Anchor	Google Meet Link Click to Join Session
09:30 am–10:30am	Inaugural Ceremony			Ms. Noopur Shrivastava Mr. Prashant Joshi	ZOOM MEETING LINK: https://us02web.zoom.us/j/82183464191?pwd=ZzNrYTcwNXYwa21BTTU1SemFwNlVZz09 Meeting ID: 821 8346 4191 Passcode: 493682
11:00 am–01:00pm	Morning Session-1	11:00am – 12:00pm	Keynote Speech -1 (By: Prof. Yang Quan Chen, Univ. of California, USA) Session Chair (By: Prof. Fikret A. Aliev, Baku State University, Azerbaijan)	Ms. Noopur Shrivastava	ZOOM MEETING LINK: https://us02web.zoom.us/j/82183464191?pwd=ZzNrYTcwNXYwa21BTTU1SemFwNlVZz09
		12:30pm – 01:00pm	Invited Talk-1 CS (Track-1 By: (By: Dr. Manoj Thakur, IIT Mandi) Session Chair (By: Prof. G D Veerappa Gowda, TIFR Centre For Applicable Mathematics Bangalore	Ms. Noopur Shrivastava	https://meet.google.com/uc-xphl-ssp
		12:30pm – 01:00pm	Invited Talk-2 CE (Track-2 By: Dr. Rajesh Gupta, MNIT Jaipur) Session Chair-2 (By: Dr. Ajeet Singh Poonia, CSE department, UCET bikaner	Mr. Sushil Bhutada	https://meet.google.com/kwg-uccx-ahj
		12:30pm – 01:00pm	Invited Talk-3 AS (Track- 5, By: Dr. Sk. Safique Ahmad, IIT Indore M.P) Session Chair-3 (By: Dr. Sanyog Rawat, Manipal University)	Ms. Hemlata Panwar	https://meet.google.com/sqy-lbux-ayz
01:00 pm–02:00pm	LUNCH				
02:00 pm–04:00pm	Evening Session-1	02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-1-A (CS) Session Chair: Dr. Manoj Thakur, Dr. Seema Agarwal	Ms. Noopur Shrivastava	https://meet.google.com/uc-xphl-ssp
		02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-1-B (CS) Session Chair- Prof. G D Veerappa Gowda	Ms. Akansha Chaturvedi	https://meet.google.com/shf-vgrl-avo
		02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-2(CE) Session Chair: Dr. Rajesh Gupta, Dr. Ajeet Singh Poonia	Mr. Sushil Bhutada	https://meet.google.com/kwg-uccx-ahj
		02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-5 (AS) Session Chair: Dr. Sk. Safique Ahmad, Dr. Sanvog Rawat	Ms. Hemlata Panwar	https://meet.google.com/sqy-lbux-ayz

Conference Schedule:

TEQIP-III RTU(ATU)
Sponsored
2nd (ONLINE) INTERNATIONAL CONFERENCE ON "RECENT DEVELOPMENTS IN ENGINEERING AND TECHNOLOGY"
26th – 27th February, 2021
Organized By
ANAND INTERNATIONAL COLLEGE OF ENGINEERING, JAIPUR

Day-2, 27.02.2021-Saturday					
Between Hours	Activity	Time		Anchor	Google Meet Link Click to Join Session
09:30 am-11:00am	Morning Session-2	09:30am – 10:30am	Keynote Speech -2 (Prof. Carlo Cattani, University of Tuscia, Italy) Session Chair (By: Prof. Clemente Cesarano, University Uninettuno, Italy)	Ms. Noopur Shrivastava	ZOOM MEETING LINK: https://us02web.zoom.us/j/82183464191?pwd=ZzNrYTcwNkYwa2lBTU1ScmFwNlRlZz09
		10:30 am-11:00am	Invited Talk- CS (Track- 1 By: Prof. Shailendra Varshney IIT Kharagpur), Dr. Neha Yadav NIT, Hamirpur Session Chair: (By: Dr Sandeep Kumar, Christ University, Bangalore)	Mr. Sushil Bhutada	https://meet.google.com/uc-xphh-ssp
		10:30 am-11:00am	Invited Talk- EE (Track 3- By: Prof. N.P. Patidar, MANIT, Bhopal) Session Chair- (By: Dr. Mukesh Saraswat, JIIT Noida)	Ms. Noopur Shrivastava	https://meet.google.com/tes-dzvo-djp?hs=122&authuser=1
		10:30 am-11:00am	Invited Talk- ME (Track 4- by: Dr. Vijay Gupta, Netaji Subhas University of Technology, New Delhi) Session Chair-6 (By: Dr. Pushpendra Singh, JKLU)	Ms. Raksha	https://meet.google.com/had-nzdm-nu?hs=122&authuser=0
		10:30 am-11:00am	Invited Talk- AS (Track-5 - By: Dr. Rajesh Nema, NIT Bhopal) Session Chair-7 (By: Dr. SK Singh, Amity University)	Ms. Hemlata Panwar	https://meet.google.com/aqy-hbuw-ayz
11:00 am-01:00pm	Morning Session-3	11:00am – 01:00pm	PAPER PRESENTATIONS TRACK-1-A(CS) Prof. Shailendra Varshney, Dr. S. K. Sharma	Mr. Sushil Bhutada	https://meet.google.com/uc-xphh-ssp
		11:00am – 01:00pm	PAPER PRESENTATIONS TRACK-1-B(CS) Session Chair: Dr. Neha Yadav, Dr. Harish Sharma	Ms. Akaniksha Chaturvedi	https://meet.google.com/shf-vgrt-avo
		11:00am-01:00pm	PAPER PRESENTATIONS TRACK-3(EE) Session Chair: Prof. N.P. Patidar, Mr. Pramil Sinha	Ms. Noopur Shrivastava	https://meet.google.com/tes-dzvo-djp?hs=122&authuser=1
		11:00am – 01:00pm	PAPER PRESENTATIONS TRACK-4(ME) Session Chair: Dr. Vijay Gupta, Dr. Bhavana Mathur	Ms. Raksha	https://meet.google.com/had-nzdm-nu?hs=122&authuser=0
		11:00am – 01:00pm	PAPER PRESENTATIONS TRACK-5(AS) Session Chair: Dr. Rajesh Nema, Dr. Anil Dhawan	Ms. Hemlata Panwar	https://meet.google.com/aqy-hbuw-ayz
01:00 pm-02:00pm	LUNCH				
		02:00 pm-04:00pm	PAPER PRESENTATIONS TRACK-1-A(CS)	Mr. Sushil Bhutada	https://meet.google.com/uc-xphh-ssp

Closing Ceremony: -

TEQIP-III RTU(ATU)
Sponsored
2nd (ONLINE) INTERNATIONAL CONFERENCE ON "RECENT DEVELOPMENTS IN ENGINEERING AND TECHNOLOGY"
26th – 27th February, 2021
Organized By
ANAND INTERNATIONAL COLLEGE OF ENGINEERING, JAIPUR

02:00 pm– 04:00pm	Evening Session-2		Dr. S. K. Sharma, Neha Yadav		
		02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-1-B(CS) Session Chair: Dr Sandeep Kumar , Dr. Harish Sharma	Ms. Akanksha Chaturvedi	https://meet.google.com/shf-vgri-ay0
		02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-3(EF) Session Chair: Mukesh Saraswat, Pramil Sinha	Ms. Noopur Shrivastava	https://meet.google.com/tes-dzvo-djp?hs=122&authuser=1
		02:00 pm– 04:00pm	PAPER PRESENTATIONS TRACK-4(ME) Session Chair: Dr. Pushendra Singh, Dr. Bhavana Mathur	Ms. Raksha	https://meet.google.com/had-nzdu-tiu?hs=122&authuser=0
02:00 pm– 04:00pm		PAPER PRESENTATIONS TRACK-5(AS) Session Chair: Dr. SK Singh, Dr. Anil Dhawan	Ms. Hemlata Panwar	https://meet.google.com/sgy-lbux-ayz	
04:00 pm– 04:30pm	Valedictory Ceremony			Ms. Noopur Shrivastava Mr. Sushil Bhutada	ZOOM MEETING LINK: https://us02web.zoom.us/j/82183464191?pwd=ZzNlYUcwNXlYwa2lBUTU1ScmFwNllVZz09

At the end of the event closing ceremony was held in which Prof. S. K. Sharma, Coordinator Conference from RTU, Kota, thanked all Speakers and Participants for informative session and patient hearing. He also thanked Honorable Vice Chancellor Prof. (Dr.) R. A Gupta and Prof. Dharendra Mathur, TEQIP- III Coordinator RTU, Kota. For Providing Such opportunity.

Feedback: -

All the Participants provide their feedback and their valuable suggestion incorporated in future event.

Brochure & Poster of Event:

Online 2nd International Conference on Recent Development in Engineering & Technology (ICRDET-2021)

February 26 - 27, 2021

Organized by
Rajasthan Technical University, Kota &
Anand International College of Engineering, Jaipur

SCOPUS

Indexed Publication & Conference Proceedings
in Reputed Publication House







All accepted and presented paper will be published in Scopus indexed Journals & Conference Proceedings as

1. Special Issue of "Applications and Applied Mathematics: An International Journal (AAM)"
2. Special Issue of "Communications in Mathematics and Applications"
3. Special Issue of "Advanced Mathematical Tool-Based Internet of Things (IoT)"
4. Special Issue of "Journal of Nonlinear Sciences and Applications"
5. Special Issue of "Engineering and Applied Science Letters (EASL)"

COMMITTEES ICRDET-2021

STEERING COMMITTEE

- Carlo Cattani, Professor, University of Tuscia, Italy
- Xiao-Jun Yang, Professor, China University of Mining and Technology, China
- Dumitru Baleanu, Professor, Cankaya University, Turkey
- J. Terêncio Machado, Professor, Institute of Engineering, Portugal
- Juan J. Nieto, Professor, University of Santiago de Compostela, Spain
- Baschir Ahmad, Professor, King Abdulaziz University, Saudi Arabia
- Mohammed Jleli, Professor, King Abdulaziz University, Saudi Arabia
- Sotiris Ntouyas, Professor, University of Ioannina, Greece
- Michael Ruzhansky, Professor, University of Ghent, Belgium
- G. V. Milovanovic, Professor, Serbian Academy of Sciences and Arts, Serbian
- Silvestru Sever Dragomir, Professor, Victoria Univ., Australia
- Yeol-Je Cho, Professor, Gyeongsang National University, South Korea
- Themistocles M. Rassias, National Technical University of Athens, Zografou Campus, Greece
- Taekyun Kim, Professor, Kwangjuon University, S. Korea
- Fikret A. Alev, Professor, Baku State University, Azerbaijan
- Alakbar Montazer Haghighi, Professor, Prairie View A&M University, USA
- Valentina E. Balas, Professor, Aurel Vlaicu University of Arad, Romania
- Yang Quan Chen, Professor, Univ. of California, USA
- Veitiz Karaca, Professor, University of Massachusetts Medical School, USA
- Thibault Taha, Professor, University of Georgia, USA
- H.D. Charan, Professor, Honourable Vice Chancellor, BTU
- Kalyan Chakraborty, Professor, IIT India
- Prof. S.K. Vanshrey, Professor, IIT Kharagpur
- Prof. D.K. Palwalia, Dean Academic Affairs, RTU, Kota
- Prof. N.P. Patidar MANIT, Bhopal

CALL FOR PAPERS

Prospective authors from academia as well as industry are invited to submit their full length papers in ICRDET 2021, which have not been yet submitted/published. Topics of interest for submission include, but are not limited to

Track-1 Computer Science and Engineering

- Artificial Intelligence & Machine Learning
- Networks
- Cloud Technologies and Graphics
- New Epoch
 - Robotics, Number theory & Cryptography
 - Green Computing
 - Sensing and IOT for smart cities
 - Green Computing

Track-2 Civil & Environment Engineering

- Structural Engineering & Construction Management
- Earth & Environmental Engineering
- Transportation Engineering & Management

Track-3 Electrical Engineering

- Power Electronics, Electric Drives & Their Applications
- Power Quality and Power System Stability, Smart Grid

Track-4 Mechanical & Automation Engineering

- Logistics and Supply Chain Management
- Robotics and Automation
- Material Science & Composites
- Design & Manufacturing Technology

Track-5 Applied Science & Technology

- Applied Technology
- Material Physics & Condensed Matter
- Environmental & Green Chemistry
- Fractional Calculus
- Special Functions
- Mathematical Modeling
- Boundary Value Problem
- Mathematical Biology

IMPORTANT DATES

Registration Open Date
January 19, 2021

Last Date of Paper Submission
February 12, 2021

Acceptance Notification
February 15, 2021

Camera Ready Paper Submission
February 18, 2021

Last Date of Registration
February 22, 2021

REGISTRATION FEES

NO REGISTRATION FEE

Registration Links
<https://forms.gle/segrFYChbCSNMvCa8>

AUTHOR GUIDELINES

- All the papers should strictly be prepared as per author guidelines of IEEE format.
- The manuscript (Max 10 pages) should be thoroughly checked for grammatical or typographical errors before submission.
- Authors should ensure that the similarity score of their research paper should not above 30 %.
- All the reviewed manuscripts should be submitted in PDF format with authors name & affiliations, at Conference email. id.

Conference website:

www.anandice.ac.in/icrdet21

Conference E-mail:

icrdet@anandice.ac.in

CONFERENCE VENUE

Anand International College of Engineering
Address: Near Kanota, Agra Road, Jaipur,
Rajasthan 303012
Phone: 01429- 234994, 95

FOR FURTHER INFORMATION

Mr. Nalin Sharma Mobile No. : 9309261326
E-mail: nalin.sharma@anandice.ac.in
Mr. Ajit Mobile No. : 7978753863
E-mail: ajit@anandice.ac.in

ORGANIZED BY



ANAND

INTERNATIONAL COLLEGE OF ENGINEERING
Near Kanota, Agra Road, Jaipur - 303012 • Ph: 9920755552, 93

CHIEF PATRONS

- Prof. R. A. Gupta
Honorable Vice Chancellor, RTU, Kota, India

PATRONS

- Mr. Manoj Mittal, Chairman, Anand-ICE, Jaipur, India
- Ms. Monika Mittal, Vice Chairperson, Anand-ICE, Jaipur, India

Coordinator TEQIP-III RTU (ATU)

- Prof. Dharendra Mathur, RTU, Kota, India

Committee TEQIP-III RTU (ATU)

- Dr. Harish Sharma
Nodal Officer, RTU, Kota, India
- Dr. D. K. Samariya
Nodal Officer Procurement, RTU, Kota, India
- Dr. S.D Purohit
Nodal Officer Finance, RTU, Kota, India
- Dr. S.K. Sharma
Coordinator FDP & Workshop, RTU, Kota, India

GENERAL CHAIR

- Dr. S.K. Sharma, RTU, Kota, India
- Prof. Vijay Kumar Sharma, Principal, Anand-ICE, Jaipur, India
- Prof. Praveen Agarwal, Vice Principal, Anand-ICE, Jaipur, India

ORGANIZING CHAIRS

- Prof. Berkan Araci, Hasan Kalyoncu University, Turkey
- Prof. Alakbar Montazer Haghighi, Prairie View A&M University, USA
- Prof. Bhevana Mathur, Anand-ICE, Jaipur, India

CONVENERS

- Prof. Anil Dhawan Anand-ICE, Jaipur, India
- Dr. Sunil Kumar Jangir Anand-ICE, Jaipur, India
- Er. Pramil Sinha Anand-ICE, Jaipur, India
- Er. Vivek Bhojak Anand-ICE, Jaipur, India
- Er. Shiv Kumar S Anand-ICE, Jaipur, India



RTU (ATU) TEQIP-III Sponsored
2nd Online International Conference on
Recent Development in Engineering & Technology (ICRDET-2021)
February 26 – 27, 2021



Prof. R.A. Gupta
Hon'ble Vice-Chancellor,
RTU, Kota



Ms. Monika Mittal
Vice Chairperson,
Anand-ICE



Prof. Dharendra Mathur
TEQIP-III Coordinator,
RTU, Kota



Prof. S.E. Sharma
Coordinator,
RTU, Kota



Prof. Vijay K. Sharma
Principal, Anand-ICE



Prof. Praveen Agarwal
Vice Principal, Anand-ICE



Prof. Bhavani Mathur
Anand-ICE

International Speakers



Prof. Carlo Cattani
University of Tuscia, Italy



Prof. Yang Qian Chen
University of California, USA



Prof. Fikret A. Ailiev
Baku State University, Azerbaijan



Prof. Clemente Cesarano
University of California, USA

Resource Persons



Prof. Shalendra Varshney
IIT Kharagpur



Dr. Manoj Thakur
IIT Mandi



Dr. S.E. Saifiqur Ahmad
IIT Indore M.P.



Prof. D.D. Veerappa Gowda
IITR Centre for Applicable
Mathematics Bangalore



Dr. Rajesh Gupta
SNIT



Dr. Rajesh Verma
IIT Shri Jagat



Prof. N.P. Anand
MREC, Shri Jagat



Dr. Vijay Gupta
NITJ of Subhas
University of
Technology, New Delhi



Dr. Ajeet Singh Poonia
CSE Department,
UCEI Bikaner



Dr. Sandeep Kumar
CHRIST University, Bangalore



Dr. Pushpendra Singh
JGU



Dr. Mukesh Sarin
JIT Noida

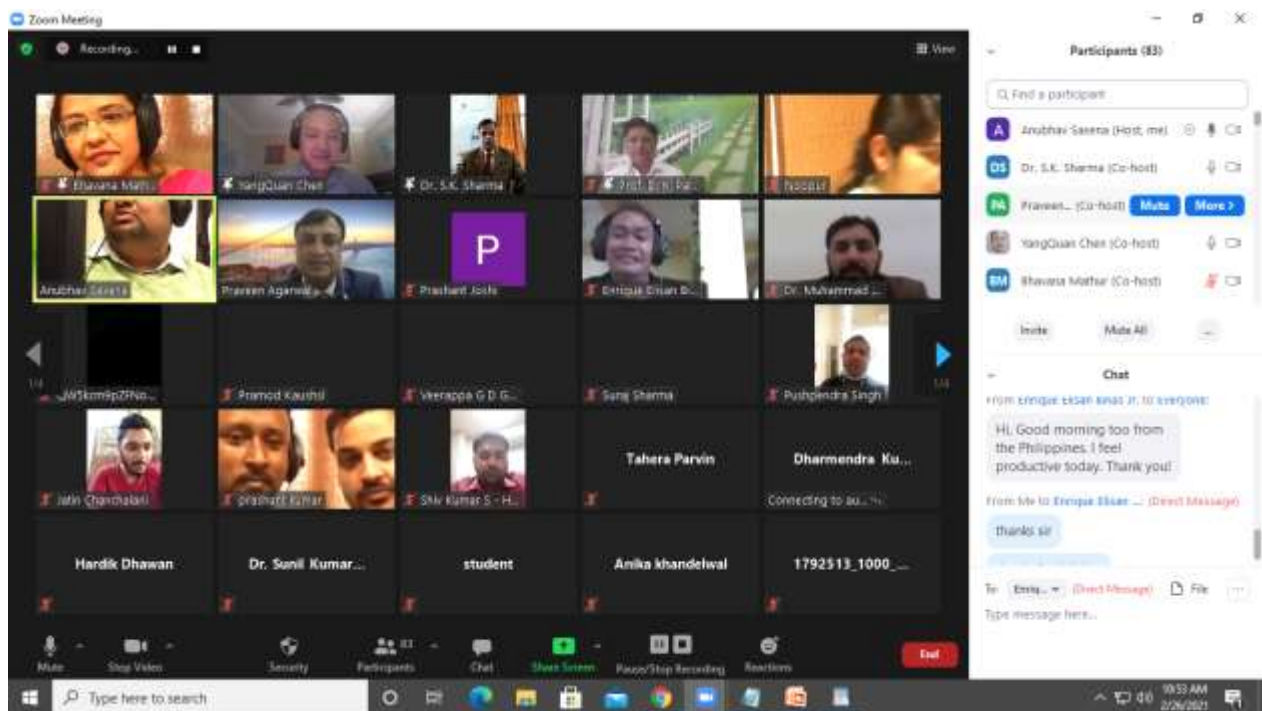
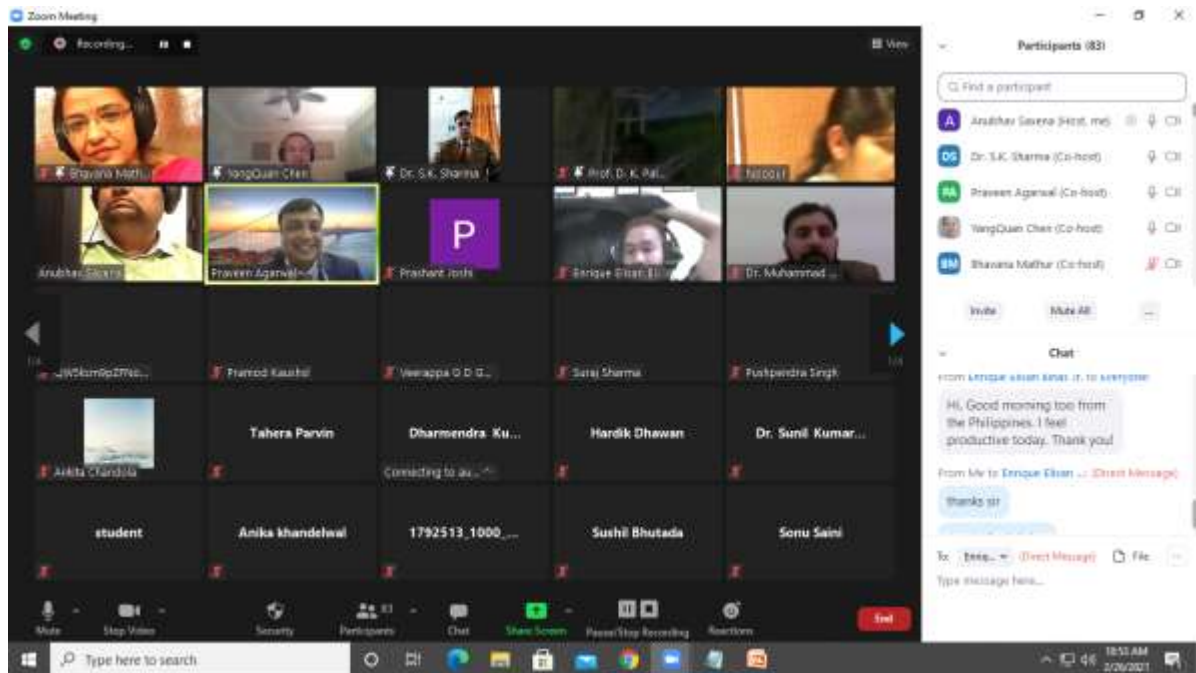


Dr. D.C. Singh
Amity University



Dr. Bhanu Prasad
Manipal University

Conference Picture:



Softtech HACK-2021

9th-10th March, 2021

Softtech Hack-2021 is a national-level hackathon in hybrid mode (Online and Offline), sponsored by Rajasthan Technical University under TEQIP-III in association with Anand International College of Engineering, Jaipur. It aims to get the positive and optimal solution of brainstorming problems within 36 hours.

Poster Launching:

Starting with the first step of creating a coding platform in ANAND-ICE, SoftTech Hack 2021 poster was unveiled by Hon'ble Prof. R.A. Gupta (Vice-Chancellor, Rajasthan Technical University, Kota), on 23rd Jan. 2021 .



Converting the innovative ideas of students into new initiatives to solve the problems encountered in real life was the central idea behind the idea Softtech Hack 2021.

Website Launching:

Technical start of Softech Hack 2021 was initiated by launching its website on 27th Jan 2021 and designing was done by Mr. Sanjog Arora. After the website launch, updates were done at regular intervals according to the requirements and suggestions of the team, mentors and the participants.



Hackathons are innovative proving grounds for new problem resolving ideas. They stimulate the creativity of participants and foster problem-solving and risk-taking in a casual environment. On 9th March, the *Softech hack round* was held in Anand International College of Engineering, Jaipur. 100+ teams out of **437 Students** started coding & building their Hardware Projects and converting their innovative ideas into new developments.



Inaugural: -

The hack commenced with a welcome note by Hon'ble Mr. Manoj Mittal (Chairman, Anand-ICE), Ms. Monika Mittal (Vice-Chairperson, Anand-ICE), Prof. Vijay Sharma, (Principal, Anand-ICE) mentioned about Anand-ICE. Further, Prof. Praveen Agarwal(Vice Principal; Coordinator of Softech Hack, Anand-ICE) shared detailed information about the event, with our guests- Hon'ble Dr. Shubhash Garg (Technical Education Minister Govt. of Rajasthan), Hon'ble Prof. R.A. Gupta (Vice-Chancellor, Rajasthan Technical University, Kota), Prof. Dharendra Mathur (TEQIP-III Coordinator Rajasthan Technical University, Kota), Dr. Deepak Bhatia (Coordinator, Rajasthan Technical University, Kota).



We also had some more honored guests to enlighten us with their presence at the event -Sh. Ashok Kumar (Director IT Security, Ministry of Defense), Dr. Rajesh Kumar (Professor MNIT, Jaipur), Mr. Anil Gupta (Founder Director; CEO Fun first Global Skillers Pvt. Limited), Er. Anil Pilia (Horizontal Digital Jaipur), Satish Malhotra (Senior Project Manager; HR Head ATCS Inc) and Er. Ajay Gautam (VP, Global Services MTX Group).

MENTORING SESSION

Mentoring is an indispensable requirement for an artist's growth. Not only are skills and experience shared, but there is value in the essential re-examination of one's own work and techniques." – **Jim Norman**

After the Inaugural, the hack began; we had a pool of mentors to guide the students during the hackathon. 19 judges and 69 mentors were there throughout the event to guide them & train young talent with their experience.



During the mentoring rounds, mentors visited all the labs where teams were seated and suggested the teams for the improvements/modifications in the project within a specified period of time.



Judging Rounds:

After the first level, mentoring jury members started the judging round and as per the guidelines they evaluated the project ideas and marked the scores.

We had 19 esteemed judges, eight panel members owning startups and the rest 11 on reputed positions in various software & Hardware fields. The insight provided by esteemed mentors helped the students to improve their techniques for the next ROUND. On 9th March, we began our judging round.

The evaluation criteria for 1st and 2nd Round were same which included the parameters like impact factor, innovation, execution. There was a different criterion for the Power Judging Round which included the parameters like Presentation Skills, Elevator Pitch etc.



List of Judges

S. No	Name of the Person	Company	Designation
1	Mr. Mohit Singh	Ninepages Technosolutions	Director
2	Mr. Madhur Sharma	MPHRX	Product Head
3	Mr. Himanshu Sharma	Tattvam Media	CEO
4	Mr. Piyush Sharma	Accenture	Team Lead
5	Mr. VipulBabbar	OMDIA	Analyst
6	Mr. Rakesh Yadav	Meta Cube	Project Lead
7	Mr. Nitin Goyal	Meta Cube	Technical Analyst
8	Mr. Japsin Philip	Softserv Solutions Pvt. Ltd.	Associate Director
9	Mr. Ashutosh Vyas	Softserv Solutions Pvt. Ltd.	CTO
10	Mr. Sushil Sharma	Decipher Zone	Director
11	Mr. Rajeev Ranjan	Infosys	Lead Consultant
12	Mr. Akhilesh Upadhyay	Tata Steel Ltd.	Manager - Engineering Projects
13	Mr. Amit Kumar	Rane NSK Steering System Pvt. Ltd.	Assistant General Manager
14	Mr. Saurav Srivastav	TCS	Project Manager
15	Mr. Ashok Kumar	Ministry of Defense	Director, IT & Security
16	Ms. Shipra Gupta	Otonomy IO	Senior Global Sales & Marketing Manager
17	Mr. Shailesh Kumar Gupta	Havells India Ltd.	Deputy Manager
18	Mr. Chirag Singhal	Meta Cube	Campus Relations Manager
19	Mr. Pravin Kumar Sharma	Educular Solutions	Founder

On 10th March, soon after the hack began, our judging team was ready for CHECKPOINT-2 ROUND. The teams were judged based on innovative idea's and execution, problem-solving approach.



So, after the first round of judging total 86 teams were selected for the next round. Again, judges took mentoring round to instruct the teams for improvements in the ideas for the next level scrutiny. After that the judges again started the evaluation and marked the scores. Again, the scoring sheets for the second round were collected and the consolidated result was prepared. All the teams in this round were too good that they got the marks near to each other. It was really difficult for the judges to decide which teams should be selected and which should be eliminated for the next round. But anyhow with the difference of one or two marks in the merit list, 41 teams were eliminated. So, for last round there were 47 teams to be judged.

POWER JUDGING

In Power judging round all judges were divided into four panels and each panel of judges was allotted 11-12 teams to be judged. The teams were asked to prepare a power point presentation and present it before the panel of judges.

After completion of final round, the judges had a healthy discussion about the teams they judged and explained the way they found a team best and worst.

After all this discussion the judges came up with the best 12 teams.



PRIZE DISTRIBUTION

“They say eventually what happened had a distinct place in time. What just happened is just a paradigm that defines the tomorrow.”

The mega event was ended up with the **Valedictory Session** in the presence of our eminent academicians & Entrepreneurs - Dr. Deepak Bhatia (Coordinator, Rajasthan Technical University, Kota), Er. Chandraprakash Sharma (Director Wisflux Private Limited, Jaipur), Er. Shrey Sharma (Chief Executive Office Cyntexa Labs Pvt Ltd. Jaipur), Dr. Sylvester Fernandes (Director, Forsk Technologies Pvt. Ltd.), Er. Yogendra Singh (Director, Forsk Technologies Pvt. Ltd.).



Team Technothorns bagged the first position, Team VCF bagged the second position, Team ED-APPLY bagged the third position and Team MODIFYERS bagged the fourth position. 30 teams owned consolation prizes.



The event was coordinated by Rajasthan Technical University TEQIP-III. A special thanks to Honorable guests- Hon'ble Dr. Subhash Garg (Technical Education Minister Govt. of Rajasthan), Hon'ble Prof. R.A. Gupta (Vice-Chancellor, RTU, and Kota), Dr. Deepak Bhatia (Coordinator, RTU, Kota), Sh. Ashok Kumar (Director IT Security, Ministry of Defense).



Rajasthan Technical University, Kota
RTU (ATU) TEQIP-III Sponsored
National Level



“SoftTech-HACK”

With

#Hackathon #SoftTechHACK #rtu_kota
#AICTE_INDIA #ugc_india #AnandICE #09-10March
2021 #EntrepreneurshipDevelopment#PMOIndia
#mhrd_innovation#IndiaDST#DstRajasthan

#SERB
#Offline
#Online #
Software #
Hardware
@anandcollege
eng #coding
#competition
#innovation
#ideas#36hours
#technicalevent



**eamwork
&
Collaboration
Wonders can happen!!**

PLAY WITH CODE 2.0

ABOUT

Play with code is a national level-coding contest for school students of class IX to class XII organized by Anand-ICE every year.

In 2021, Anand-ICE organized "Play with Code 2.0" on 29th May 2021. Registrations regarding above had already been started a month prior to the main competition date. Last date of the registration was kept 26th may 2021. To encourage coding culture among students the registration fee was kept to zero.



The poster for 'Play with Code 2.0' features a central graphic of two students coding at a desk, framed like a social media post. The text on the poster includes the Anand International College of Engineering logo, the event title 'PLAYWITHCODE 2.0', and the description 'A National Level Coding Hackathon for Students of IX to XII'. It also states the date 'on 29th May, 2021' and lists logos for C++, Java, C, and Python. Below the graphic, it says 'E-Certificates will be provided to all the participants who score more than 50%' and 'Last Date of Registration 26th May, 2021'. A registration link is provided: 'Register now at https://bit.ly/2SmbO4D'. A large text block reads 'Chance to Win Cash Prizes of Rs. 25000/-' next to a QR code labeled 'Scan for Registration'. At the bottom, contact information for Dr. Sunil Kumar Jangir, Er. Anubhav Saxena, and Er. Rajendra Singh is listed, along with the website 'Drop Your Query at playwithcode@anandice.ac.in' and the college's address in Jaipur.

All the participants who had scored 50% or above had been awarded with E-certificates, and who had scored outstanding were awarded with cash prize of worth Rs. 25000/-.

More than 500 students had participated from almost all the states of INDIA.

This coding contest was conducted via online coding platform hackerrank on which contestants had to solve problems via coding.

All the contestants were required to solve the problem within the time constraint of 90 minutes. Ranking of participants had decided according to the leader board score of the platform.

OBJECTIVE:

The aim of such coding contests was to solve problems via computer codes. The given problems in the contest are mathematical, data structure and algorithmic based. A candidate needs to think logically in order to generate solutions for these problems.

Solving contest problems is an excellent way to familiarize oneself with a programming language and its data structures, as well as get better at converting procedural ideas to code. These are very useful skills for a coding interview.

Valedictory session:



Valedictory session was prize distribution ceremony of play with code 2.0 held on 14th June 2021 via zoom.

The session begins with the introduction of Institute Anand-ICE, Anand International College of Engineering affiliated to Rajasthan Technical University and approved by AICTE holds an 'A' Grade award from RTU, Kota. The institute is known for its career -oriented training along with 100% placement records.



And then further proceeded with the honoring all the guest members which includes Honorable Ma'am Ms. Monika Mittal (Vice chairperson, Anand-ICE) Respected Prof. (Dr.) Vijay Sharma (Principal, Anand-ICE) Respected Prof. (Dr.) Praveen Agarwal (Vice-Principal, Anand -ICE).

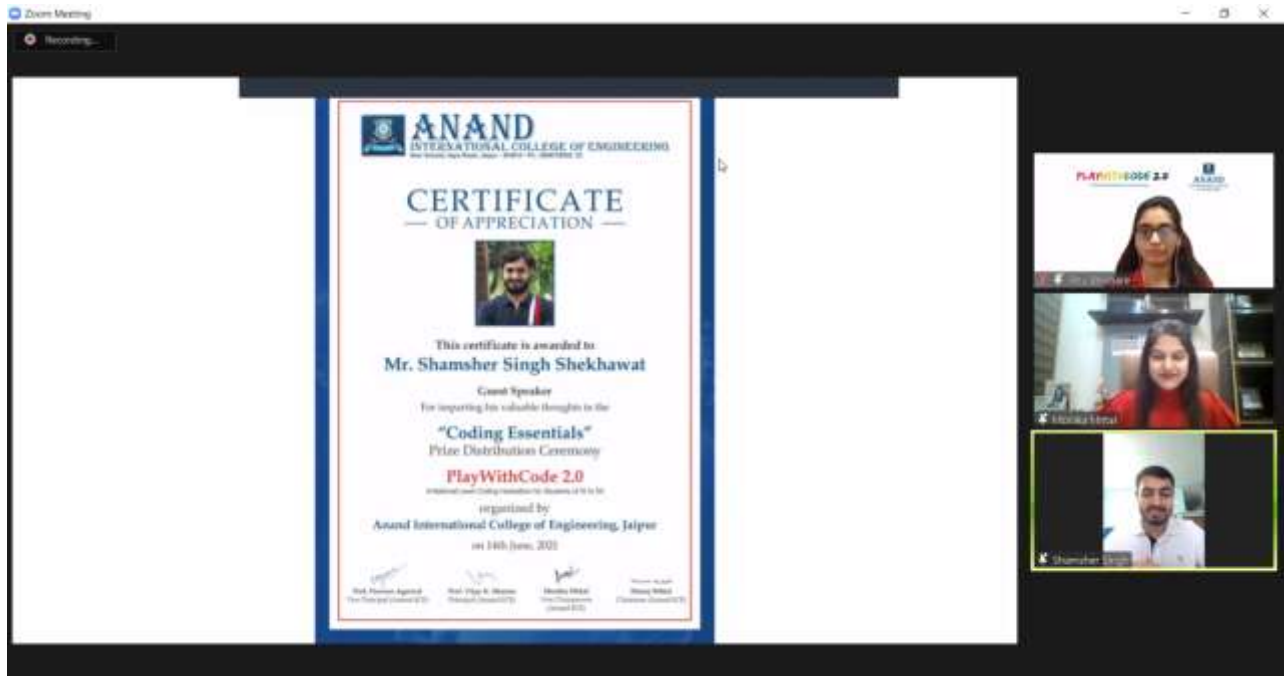


Along with the special guest Mr. Shamsher Singh Shekhawat who was an alumnus of batch 2014-2018 and currently working as Associate producer at UBISOFT.

Mr. Shamsheer Singh Shekhawat Enlightened all the audience with his wonderful experience of college time struggle, how he works on his skills and the areas he improved like communication skills. He also showed a little clip on game on Youtube and introduced the audience about the gaming industry, his job profile, etc. This interaction followed by a query session.



Further, the session commenced with motivational words of Honorable Vice-chairperson Ma'am Ms. Monika Mittal Anand-ICE. There words helped the the students to stay motivated and in getting more insights about the Play with code 2.0 along with the motivation to all Anandites to be self motivated and focused, as with the live example of Mr. Shamsheer Singh Shekhawat.



Prize Distribution:

Finally, the result declaration and prize distribution ceremony started.

“A mentor is someone who sees more talent and ability within you, then you see in yourself, and helps bring it out of you.”-Bob proctor

The contestants who secured 8th to 4th ranks had been awarded with cash prize of 1000/- along with E-Certificate.

The list includes following names

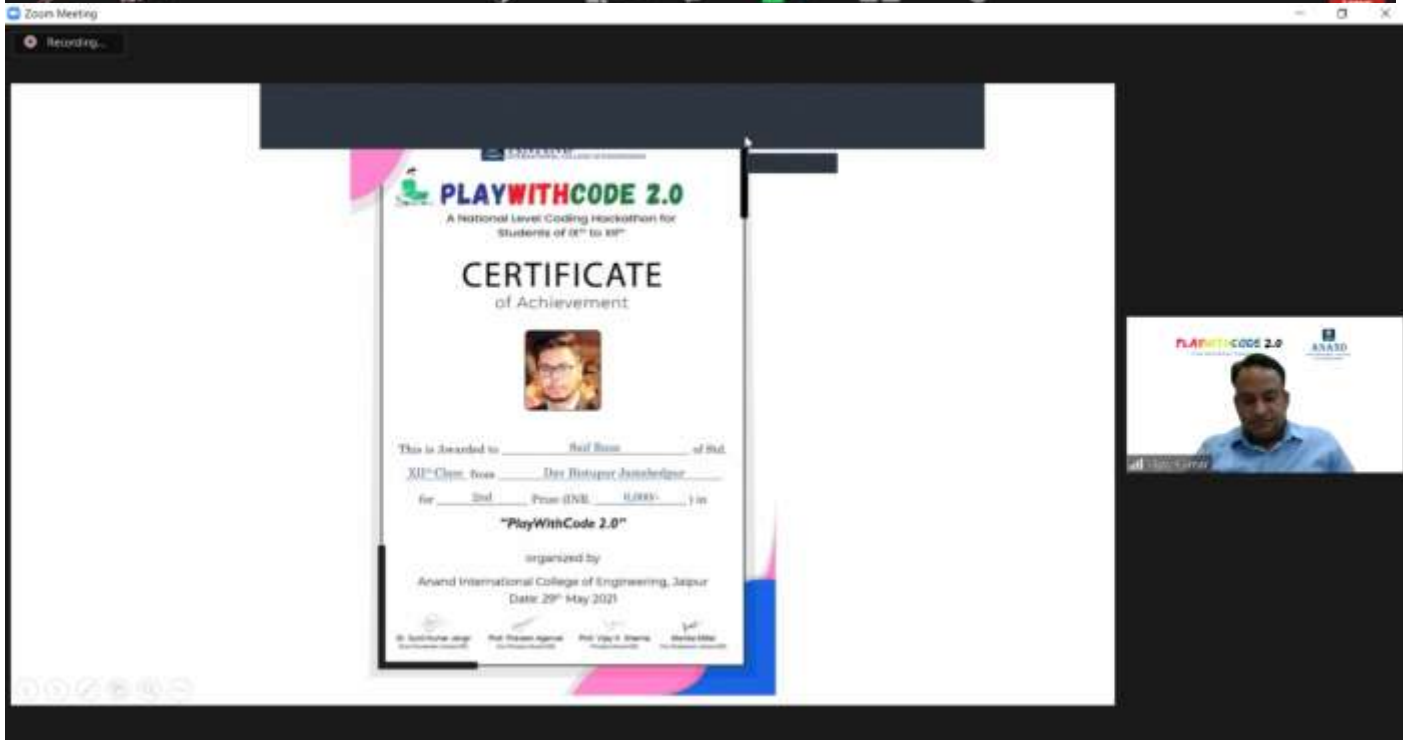
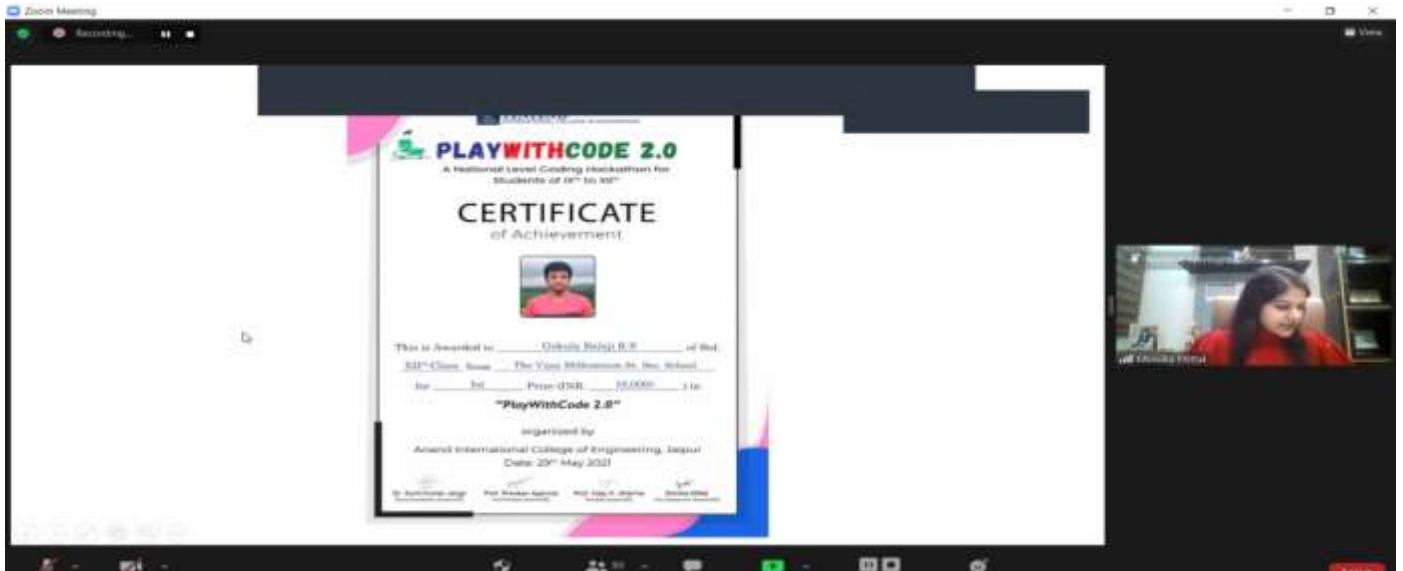
8. Mr. Ninaad Mathur - St. Xavier's School, Nevta, Jaipur, Rajasthan
7. Mr. Siddharth Jain -Maheshwari public school JawaharNagar Jaipur
6. Mr. Vishesh Kumar Raheja - St. Anselm's Pink City Sr. Sec. School Malviya Nagar, Jaipur Rajasthan
5. Mr. Nikhil Anand – Loyola High School, Kurji, Patna
4. Mr. Vaibhav Khandelwal– Tagore International School, Jaipur

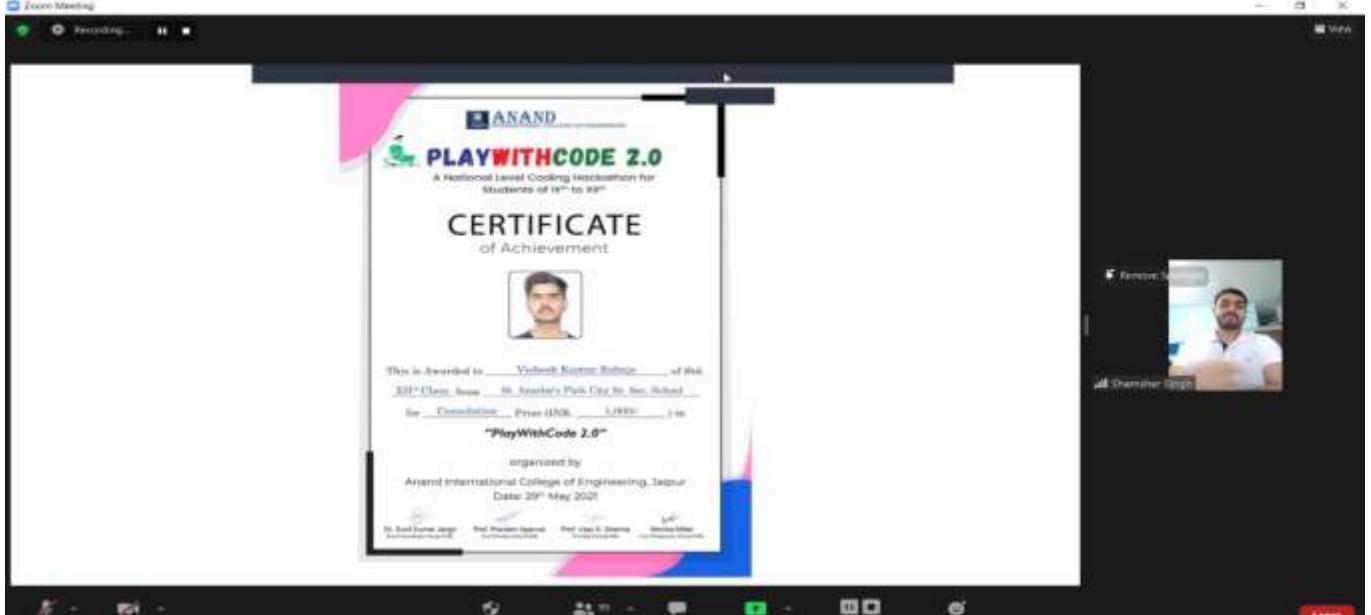
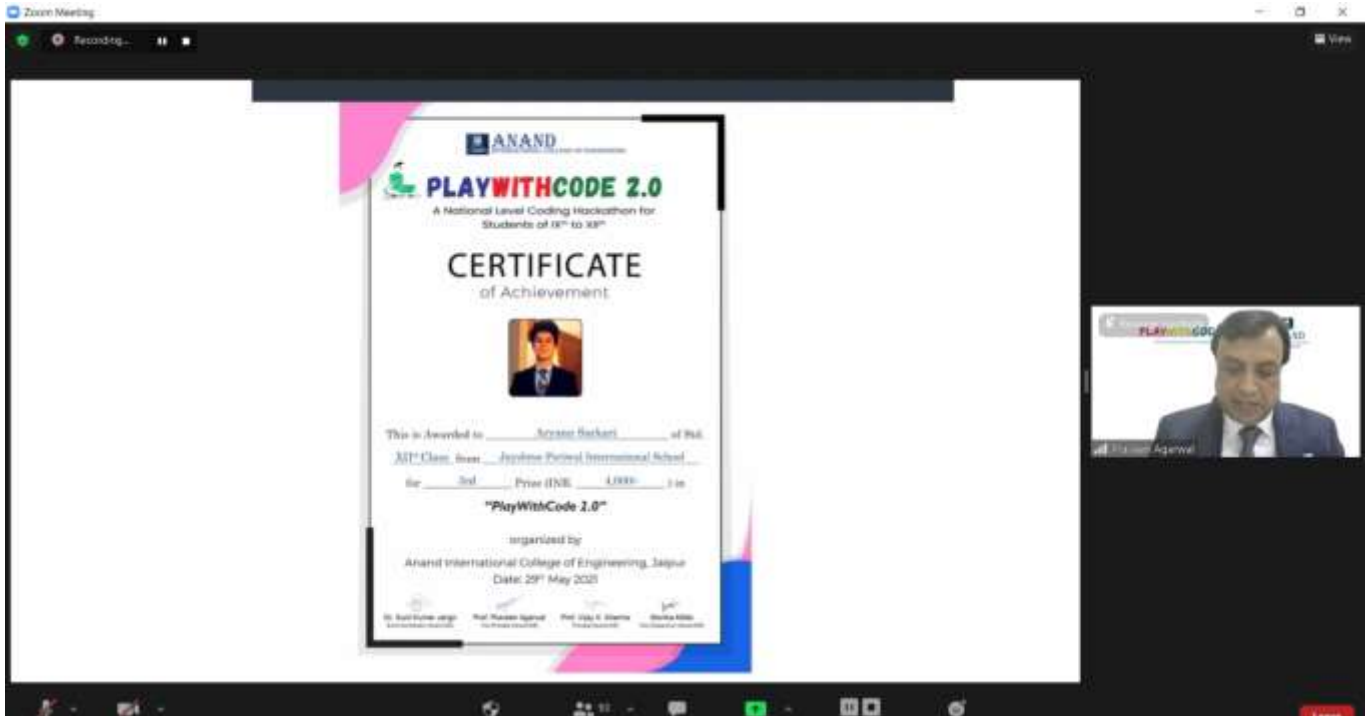
The contestant who scored 3rd rank had awarded with cash prize of 4,000/- along with E-certificate. Mr. Aryann Sarkari– Jayshree Periwal International School, Jaipur, Rajasthan.

The contestant who scored 2nd rank had awarded with cash prize of 6,000/- along with e-certificate Mr. Saif Raza Jamshedpur.

The contestant who secured 1st rank had awarded with cash prize of 10,000/- along with e-certificate. Mr. GokulaBalaji R S - The Vijay Millennium Senior Secondary School, Tamil Nadu

At last, the session ends with the vote of thanks by Dr. Sunil Kumar Jangir (Head of School of Computer Science Department and Event coordinator of play with code 2.0).





A big thanks to all the mentors and participants for their patience and support. Special thanks to the leadership of Anand-ICE and Department of Computer Science and Engineering for providing the resources and technical assistance.



ECHOES

(TECHNICAL MAGAZINE)



ANAND
INTERNATIONAL COLLEGE
OF ENGINEERING

Near Kanota, Agra Road, Jaipur-303012, Rajasthan, India
Tel.: 9928755552, 53 | www.anandice.ac.in

