

ISSUE
N. 007

EMPOWERING THE WORLD THROUGH
ELECTRONICS AND COMMUNICATION

NOVEMBER
2023

ELECTROBUZZ

ECE

IID

ECE DEPARTMENT NEWSLETTER
NOVEMBER 2023



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY DELHI



DEPARTMENT OF ELECTRONICS &
COMMUNICATIONS ENGINEERING

IN THIS EDITION OF ELECTROBUZZ

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FACULTY ACHIEVEMENTS



THE ECE DEPARTMENT'S M.TECH PROGRAM HAS RECEIVED **NBA ACCREDITATION FOR SIX YEARS** TILL AY 2028-29.



DR. **DEBIDAS KUNDU** RECEIVED A **YOUNG SCIENTIST AWARD** AT THE **35TH URSI GENERAL ASSEMBLY AND SCIENTIFIC SYMPOSIUM (URSI GASS) 2023**, HELD IN SAPPORO, JAPAN, FROM AUGUST 19-26, 2023.

DR. **SANAT K. BISWAS** WAS RECENTLY INTERVIEWED BY THE **AAJ TAK TEAM** REGARDING THE UPDATE ON **#CHANDRAYAAN3**. THE FULL INTERVIEW IS AVAILABLE HERE: [HTTPS://LNKD.IN/DUS92Z9A](https://lnkd.in/DUS92Z9A)



PROF **ANAND SRIVASTAVA** WAS INVITED AS A **PANELIST** IN THE SESSION ON **"SPECTRUM STUDIES TOWARDS MMWAVE/THZ BANDS/OPTICAL SPECTRUM"** AT THE JOINT WORKSHOP CUM CONFERENCE ON SPECTRUM AND TELECOMMUNICATIONS POLICY AND TECHNOLOGY FOR FUTURE WIRELESS SYSTEMS. THE EVENT WAS ORGANIZED BY THE **UNIVERSITY OF CHICAGO, USA**, AND **ITU-APT FOUNDATION OF INDIA (IAFI)**, IN COLLABORATION WITH THE **UNIVERSITY OF NOTRE DAME, USA**, AND **IIT DELHI**.

FACULTY ACHIEVEMENTS



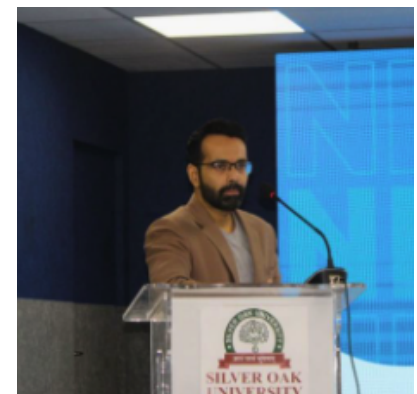
PROF. **ANAND SRIVASTAVA** AND PROF. **VIVEK ASHOK BOHARA** WERE AWARDED **THE TSDSI OUTSTANDING TECHNICAL CONTRIBUTIONS AWARD** FOR THEIR EFFORTS AND CONTRIBUTIONS IN PROGRESSING THE DEVELOPMENT OF A STANDARD OR REPORT, AS WELL AS CHAMPIONING A TECHNICAL ACTIVITY WITHIN TSDSI DURING THE FINANCIAL YEAR 1. THE AWARD CEREMONY WAS HELD ON 6TH OCTOBER AT THE **INDIAN HABITAT CENTRE**, NEW DELHI, AS PART OF THE 6TH EDITION OF THE TSDSI TECH DEEP DIVE CONFERENCE. **MS. GUNJAN DAVE, MEMBER (TECHNOLOGY), MINISTRY OF COMMUNICATIONS** PRESENTED THE AWARD . CONGRATULATIONS TO BOTH OF THEM ON THIS ACHIEVEMENT!



OUR PHD STUDENT, **SYED ASRAR UL HAQ**, AND FACULTY MEMBER, **DR. SUMIT J DARAK**, WERE SELECTED AS ONE OF THE 12 WINNING TEAMS OF THE **QUALCOMM INNOVATION FELLOWSHIP YEAR 2023-24**. THE FELLOWSHIP CARRIES A FINANCIAL AWARD OF **INR 10 LAKH FOR THE ACADEMIC YEAR 2023-24**, AND EACH WINNING TEAM WILL BE ASSIGNED WITH **A QUALCOMM RESEARCHER AS A MENTOR** TO FACILITATE CLOSE INTERACTION WITH QUALCOMM COMPANY .CONGRATULATIONS TO BOTH OF THEM ON THIS ACHIEVEMENT!



PROF. **ANGSHUL MAJUMDAR** INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY, DELHI HOSTED THE SIGNAL PROCESSING CUP AND THE STUDENT JOB FAIR & LUNCHEON AT **ICASSP**, THE FLAGSHIP CONFERENCE OF IEEE SIGNAL PROCESSING SOCIETY.



DR. **ANGSHUL MAJUMDAR** IS A KEYNOTE SPEAKER AT **NETSIP 2023**, AN IEEE SIGNAL PROCESSING SOCIETY EVENT WHERE STUDENTS, FACULTY, SCIENTISTS, AND ENGINEERS ENGAGE AND COLLABORATE WITH TOP RESEARCHERS IN COMMUNICATION, SPEECH, BIOMETRICS, AND IMAGE/SIGNAL PROCESSING.

STUDENT INTERVIEWS



SHUBHAM RAO
B.TECH ECE

HOW HAVE EXTRACURRICULAR ACTIVITIES OR STUDENT ORGANIZATIONS IN THE FIELD ENRICHED YOUR ACADEMIC EXPERIENCE AND CONTRIBUTED TO YOUR PERSONAL AND PROFESSIONAL GROWTH?

ORGANISATION OF SIGNIFICANT EVENTS SUCH AS ODYSSEY'23 AND INDUCTION'22 AT IIITD HAS SIGNIFICANTLY BOLSTERED MY PERSONAL GROWTH. BALANCING ACADEMICS AND EXTRACURRICULAR RESPONSIBILITIES HONED MY TIME MANAGEMENT SKILLS. WINNING THE DEAN'S COMMUNICATION AWARD'22 BOOSTED MY CONFIDENCE, PROVING INVALUABLE DURING PLACEMENTS. MAINTAINING STELLAR ACADEMIC PERFORMANCE THROUGHOUT, I MET EVERY DEADLINE AND EXCELLED IN MIDSEM AND ENDSEM EVALUATIONS.

REFLECTING ON YOUR TIME AS AN UNDERGRADUATE, WHAT ACCOMPLISHMENTS OR MOMENTS ARE YOU MOST PROUD OF IN YOUR ACADEMIC, EXTRACURRICULAR, OR PERSONAL LIFE?

I'M PROUD OF MY UNDERGRADUATE ACHIEVEMENTS, INCLUDING THE DEAN'S AWARD, KEY ROLE IN ORGANIZING IIITD'S ODYSSEY FESTIVAL, STRONG ACADEMIC RECORD, AND A SUCCESSFUL PLACEMENT AT OVER 30 LPA. THESE ACCOMPLISHMENTS HIGHLIGHT MY COMMITMENT TO EXCELLENCE, LEADERSHIP, AND READINESS FOR A SUCCESSFUL CAREER.

HOW DOES ONE EFFECTIVELY MAINTAIN ACADEMIC MOMENTUM IN COURSES, WHERE THE COHORT INCLUDES M.TECH STUDENTS WHO POSSESS A BROADER DEPTH OF EXPERIENCE WITHIN THE FIELD?

ACTIVE CLASS PARTICIPATION, THOROUGH COMPLETION OF ASSIGNMENTS, AND A PROACTIVE APPROACH TO DOUBT RESOLUTION ARE CRUCIAL COMPONENTS FOR ADVANCING ACADEMICALLY. FURTHERMORE, ACTIVELY ENGAGING IN DISCUSSIONS AND EXPLORING REAL-WORLD APPLICATIONS NOT ONLY CONTRIBUTE TO A DEEPER UNDERSTANDING BUT ALSO PLAY A PIVOTAL ROLE IN SUSTAINING MOTIVATION WITHIN A COMPETITIVE ACADEMIC ENVIRONMENT. BY CONSISTENTLY INCORPORATING THESE PRACTICES, STUDENTS CAN ENHANCE THEIR LEARNING EXPERIENCE.



DAKSH KUMAR
B.TECH ECE

COULD YOU SHARE A CHALLENGING PROJECT OR COURSE THAT SIGNIFICANTLY IMPACTED YOUR UNDERSTANDING OF ELECTRONICS AND COMMUNICATION CONCEPTS? HOW DID YOU OVERCOME THE CHALLENGES YOU FACED?

THE VLSI DESIGN FLOW COURSE PROJECT WAS CHALLENGING, YET IT SIGNIFICANTLY BOLSTERED MY UNDERSTANDING. ITS IMPACT PROVED INVALUABLE DURING MY SUBSEQUENT INTERNSHIP, SETTING MY COLLEGE PEERS AHEAD. I CONQUERED OBSTACLES THROUGH RIGOROUS SELF-STUDY, SEEKING CLARIFICATIONS FROM BOTH PEERS AND THE PROFESSOR, ENHANCING MY LEARNING PROCESS.

STUDENT INTERVIEWS



KAVYA GUPTA
M.TECH

WHAT MOTIVATED YOU TO SPECIALIZE IN MACHINE LEARNING FOR YOUR M.TECH PROGRAM, AND HOW DO YOU SEE MACHINE LEARNING CONTRIBUTING TO YOUR FUTURE CAREER?

MY DECISION TO SPECIALIZE IN MACHINE LEARNING FOR MY M.TECH PROGRAM IS DRIVEN BY BOTH ITS PROMISING FUTURE PROSPECTS AND MY PERSONAL INTEREST. MACHINE LEARNING'S VERSATILITY ENSURES ITS RELEVANCE ACROSS DIVERSE INDUSTRIES, SERVING AS AN ESSENTIAL TOOL FOR UNDERSTANDING AND ANALYZING DATA TRENDS, A CORNERSTONE FOR ANY ORGANIZATION. THE SCARCITY OF EXPERTS IN MACHINE LEARNING POSITIONS PRESENTS AN OPPORTUNITY FOR ME TO STAND OUT PROFESSIONALLY. ADDITIONALLY, MACHINE LEARNING'S PIVOTAL ROLE IN DRIVING INDUSTRIAL INNOVATIONS FURTHER

SOLIDIFIES ITS APPEAL. IN LIGHT OF THESE FACTORS, I AM CONFIDENT THAT SPECIALIZING IN MACHINE LEARNING IS THE IDEAL CHOICE FOR MY MASTER'S PROGRAM.

WHAT FACTORS INFLUENCED YOUR DECISION TO PURSUE MTECH, AND HOW HAS YOUR ACADEMIC JOURNEY SHAPED YOUR PERSPECTIVE ON FUTURE PROSPECTS FROM BACHELOR'S TO MTECH?

PURSUING ACADEMIA BY OPTING MTECH IS MORE OR LESS CONCERNED WITH FUTURE PROSPECTS. SINCE THE BEGINNING OF MY BACHELOR'S, I KNEW I'LL BE PURSUING MASTERS. GETTING A MUCH THOROUGH UNDERSTANDING IN MY SUBJECT WAS A REASON TOO. THEN SOME INDUSTRIES GIVE AN UPPER HAND TO STUDENTS WITH SOME RESEARCH BACKGROUND AND MTECH SUITED ALL MY CHOICES. HENCE I DECIDED TO PURSUE THIS COURSE.

WHAT MOTIVATED YOUR PURSUING OF MASTER'S PROGRAM?

BY THE END OF 2ND YEAR OF MY BTECH, I DEVELOPED A KEEN INTEREST IN SUBJECTS LIKE SIGNAL PROCESSING AND ANALOG & DIGITAL COMMUNICATION AND I WANTED TO STUDY MORE ABOUT IT AND FOR THAT, PURSUING A MASTER'S PROGRAM APPEARED AS THE IDEAL PATHWAY TO DELVE DEEPER INTO THESE SUBJECTS, ALLOWING ME TO EXPLORE THEIR INTRICACIES AND APPLICATIONS MORE EXTENSIVELY.

WHAT PROMPTED YOUR DECISION TO SPECIALIZE IN MACHINE LEARNING DURING YOUR M.TECH?

OPTING FOR A MACHINE LEARNING SPECIALIZATION PERFECTLY COMPLEMENTED MY PRE-EXISTING INTERESTS, WHICH REVOLVED AROUND SUBJECTS LIKE PYTHON, LINEAR ALGEBRA, AND SIGNAL PROCESSING. THE INITIAL EXPOSURE DURING THE REFRESHER COURSE DURING M.TECH SOLIDIFIED MY INCLINATION TOWARDS THIS FIELD. CONSEQUENTLY, I DECIDED TO DO THESIS THAT PROVIDED PROFOUND INSIGHTS INTO THE REALM OF RESEARCH WITHIN THIS DOMAIN. (CONTINUED ON NEXT PAGE)



ISHIKA SHARMA
M.TECH

STUDENT INTERVIEWS

(CONTINUED) IT'S A RAPID GROWING FIELD IN ALMOST EVERY INDUSTRIAL SECTORS SUCH AS HEALTHCARE, TRANSPORTATION, EDUCATION, E-COMMERCE, ETC. WHICH HAS SIGNIFICANTLY IMPACTED OUR DAY-TO-DAY LIVES AND IN-FACT IT IS EXPECTED TO WITNESS INCREASED ADOPTION ACROSS DIVERSE FIELDS. THE FUTURE OF MACHINE LEARNING HOLDS SIGNIFICANT POTENTIAL FOR SOLVING COMPLEX AND PROVIDING SOLUTIONS THAT IMPACT VARIOUS ASPECTS OF SOCIETY AND THE ECONOMY.



ARYAN GOVIL
B.TECH ECE

HOW HAS THE INCORPORATION OF HANDS-ON EXPERIENCES, SUCH AS INTERNSHIPS OR INDUSTRY COLLABORATIONS, INFLUENCED YOUR ACADEMIC UNDERSTANDING AND PREPARED YOU FOR REAL-WORLD APPLICATIONS IN ELECTRONICS AND COMMUNICATION ENGINEERING?

INCORPORATING HANDS-ON EXPERIENCES LIKE INTERNSHIPS HAS BEEN TRANSFORMATIVE FOR MY ACADEMIC UNDERSTANDING AND READINESS FOR REAL-WORLD APPLICATIONS IN ELECTRONICS AND COMMUNICATION ENGINEERING. THESE PRACTICAL OPPORTUNITIES HAVE BRIDGED THE GAP BETWEEN THEORY AND PRACTICE, ALLOWING ME TO APPLY CLASSROOM KNOWLEDGE TO ACTUAL INDUSTRY SCENARIOS.

AS YOU APPROACH GRADUATION, WHAT ARE YOUR SHORT-TERM AND LONG-TERM CAREER GOALS IN THE FIELD OF ELECTRONICS AND COMMUNICATION ENGINEERING? ARE THERE ANY PARTICULAR COMPANIES OR RESEARCH INSTITUTIONS YOU ASPIRE TO WORK FOR?

APPROACHING GRADUATION, MY PRIMARY OBJECTIVE IS TO ACCUMULATE VALUABLE CORPORATE EXPERIENCE AND ENHANCE MY SKILLS THROUGH HANDS-ON EXPOSURE TO EMERGING TOOLS AND TECHNIQUES. WHILE NOT CURRENTLY CONSIDERING RESEARCH INSTITUTIONS DUE TO MY LACK OF INTEREST IN PURSUING A MASTER'S DEGREE, MY CAREER ASPIRATIONS ARE FIRMLY ANCHORED IN COMPANIES LIKE APPLE, GOOGLE, AND NVIDIA. THESE INDUSTRY GIANTS OFFER SUBSTANTIAL GROWTH OPPORTUNITIES AND ALIGN WITH MY PROFESSIONAL GOALS. ADDITIONALLY, I AIM TO FOSTER A BROAD PROFESSIONAL NETWORK AND STAY UPDATED ON INDUSTRY TRENDS TO CONTINUALLY ADVANCE IN MY FIELD.

STUDENT ACHIEVEMENTS

Saswati Paramita (PhD)

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1. RECEIVED BEST DEMOS & EXHIBITS AWARDS (RUNNER UP) IN 15TH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS & NETWORKS (COMSNETS-2023).
2. RECEIVED CERTIFICATE OF EXCELLENCE FOR INNOVATION RESEARCH AND DEVELOPMENT AS A PHD STUDENT IN ECE, IIITD.
3. RECEIVED TRAVEL GRANT AWARD FOR ATTENDING 15TH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS & NETWORKS (COMSNETS-2023).



Bushra Ansari (PhD)

email: bushraa@iiitd.ac.in

I AM HONORED TO HAVE RECEIVED AN INVITATION TO PARTICIPATE AND PRESENT MY RESEARCH WORK TITLED "NAVIC-REFLECTOMETRY RECEIVER DEVELOPMENT FOR REMOTE SENSING APPLICATIONS" AT THE UNITED NATIONS/FINLAND WORKSHOP ON THE APPLICATIONS OF GNSS IN HELSINKI, FINLAND. THIS OPPORTUNITY UNDERSCORES THE SIGNIFICANCE OF MY RESEARCH ENDEAVORS.

Vedant Gupta (B.Tech)

email: vedant20261@iiitd.ac.in

GOT SELECTED TO PRESENT MY B.TECH PROJECT, A MACHINE LEARNING-BASED ENDEAVOR, AT THE INDOML SYMPOSIUM HELD AT IIT-B. THIS OPPORTUNITY TO SHOWCASE MY WORK ON A BROADER PLATFORM IS AN HONOR AND A TESTAMENT TO THE SIGNIFICANCE OF MY RESEARCH.



Arshad iqbal (B.Tech)

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THE CREATION OF THE "VERTIGLOBAL" DEVICE STANDS AS A SIGNIFICANT MILESTONE IN OUR ACADEMIC JOURNEY, OFFERING AN INNOVATIVE SOLUTION TO THE INTRICATE CHALLENGES RELATED TO BENIGN PAROXYSMAL POSITIONAL VERTIGO (BPPV) DIAGNOSIS. OUR TEAM'S DEVELOPMENT, THE "VIDEO FRINZEL," FEATURES CUSTOM-BUILT HARDWARE INCLUDING A 3D-PRINTED BODY, RASPBERRY PI 4 CPU, AND AN INFRARED CAMERA FOR CAPTURING EYE MOVEMENTS, ALONG WITH THE INTEGRATION OF A BOSCH INERTIAL MEASUREMENT UNIT (IMU) FOR RECORDING HEAD MOVEMENTS. ITS USER-FRIENDLY DESIGN ALLOWS PATIENTS TO COMFORTABLY WEAR IT DURING THE DIX-HALLPIKE MANEUVER, WITH DATA CONVENIENTLY VIEWED AND RECORDED ON A SCREEN VIA AN HDMI CABLE. WHAT TRULY SETS IT APART IS ITS MACHINE LEARNING CAPABILITIES, ENABLING REAL-TIME ANALYSIS OF EYE AND HEAD MOVEMENT DATA FOR AUTOMATIC BPPV DETECTION. THIS DEVICE HAS THE POTENTIAL TO REVOLUTIONIZE BPPV DIAGNOSIS, OFFERING A COMPREHENSIVE SOLUTION FOR HEALTHCARE PROFESSIONALS WHILE SIGNIFICANTLY REDUCING DIAGNOSTIC COSTS, EXEMPLIFYING THE POWER OF INNOVATION AND TECHNOLOGY IN HEALTHCARE.

STUDENT ORGANISED EVENTS

ESYA ECE EVENTS

STEEL SMACKDOWN

THE 'STEEL SMACKDOWN' EVENT FEATURED THRILLING ROBOWARS BATTLES WITH TWO WEIGHT CATEGORIES TO CHOOSE FROM: 15KG BOTS OR 30KG BOTS. CONTESTANTS PITTED THEIR ROBOTS AGAINST EACH OTHER IN 1V1 BATTLES WITHIN A DESIGNATED PUBLIC CAGE, WHERE THE LAST-BOT STANDING WAS DECLARED THE WINNER.

TECHNOKICK

IN THE 'TECHNOKICK' EVENT, PARTICIPANTS DELVED INTO THE WORLD OF ROBOT SOCCER, SHOWCASING THEIR ROBOTIC SKILLS WITH A DEFENDER AND A STRIKER BOT. TEAMS COMPETED TO SCORE THE MOST GOALS WITHIN AN INTENSE 10-MINUTE MATCH, ADDING AN EXCITING TWIST TO THE CLASSIC GAME OF SOCCER.

SKYRUSH

PARTICIPANTS EMBRACED THE EXCITEMENT OF DRONE RACING IN THE 'SKYRUSH' EVENT. THEY NAVIGATED A CHALLENGING AND INNOVATIVE TRACK USING SELF-ASSEMBLED DIY DRONES, STRIVING TO COMPLETE THE COURSE IN THE SHORTEST TIME POSSIBLE AND SHOWCASING THEIR PILOTING SKILLS AND TECHNICAL PROWESS.

ROBOQUEST

IN 'ROBOQUEST,' PARTICIPANTS EMBARKED ON AN INTELLECTUAL ADVENTURE, SHOWCASING THEIR LINE-FOLLOWING BOT SKILLS. COMPETITORS DESIGNED AND OPTIMIZED BLACK LINE FOLLOWER BOTS TO SOLVE A SERIES OF PROVIDED MAZES. EACH LEVEL PRESENTED A TOUGHER CHALLENGE, AND PARTICIPANTS COMPETED TO ACHIEVE THE FASTEST MAZE-SOLVING TIMES.

NEXTECH

THE 'NEXTECH' EVENT WAS A STIMULATING HARDWARE HACKATHON WHERE PARTICIPANTS WERE PRESENTED WITH SPECIFIC PROBLEM STATEMENTS. THEIR TASK WAS TO DEVISE INNOVATIVE AND EFFICIENT SOLUTIONS TO ADDRESS THE GIVEN CHALLENGES, SHOWCASING THEIR PROBLEM-SOLVING ABILITIES AND TECHNICAL ACUMEN WITHIN THE DOMAIN OF ELECTRONICS AND COMMUNICATION ENGINEERING.

CLUB HIGHLIGHTS

IEEE EVENTS

IEEE IIITD X UNACADEMY & QUANTEL: ROADMAP FOR MBA AFTER

DATE: 29/05/2023

SPEAKER: MR. ANMOL UPADHYAY (UNACADEMY)

IEEE IIITD SB HOSTED A SPEAKER SESSION ON THE TOPIC OF "ROADMAP TO MBA AFTER B.TECH." BY MR. ANMOL UPADHYAY, A SEASONED EXPERT IN THE FIELD. THIS SPEAKER SESSION WILL SERVE AS A COMPREHENSIVE GUIDE, OFFERING ADVICE AND INVALUABLE INSIGHTS TO INDIVIDUALS ON THEIR WAY TO COMPLETING THEIR B.TECH DEGREES AND HELPING THEM SUCCESSFULLY NAVIGATE THE MBA APPLICATION PROCESS.



HIGHLIGHT IMAGE: IEEE IIITD X HACK:DID DELHI CHAPTER: DEVELOPER WORKSHOP

IEEE IIITD X HACK:DID DELHI CHAPTER: DEVELOPER WORKSHOP

DATE: 01/07/2023

SPEAKER: MR. VISHWAS BHUSHAN (HYPERSIGN.ID)

IEEE IIITD-DELHI SB, IN COLLABORATION WITH HYPERSIGN AND DOJIMA, HOSTED A WORKSHOP DESIGNED TO PROVIDE ATTENDEES WITH INSIGHTS AND HANDS-ON EXPERIENCE IN THE REALM OF WEB3. IT WAS A FANTASTIC OPPORTUNITY TO EXPLORE THE POTENTIAL OF SELF-SOVEREIGN IDENTITY FOR NOVICES AND SEASONED DEVELOPERS ALIKE.

CLUB HIGHLIGHTS

IEEE DAY 2023

EMPOWHER - A WOMEN-CENTRIC HACKATHON

DATE: 14/10/2023 TO 15/10/2023

GUESTS & SPEAKERS:

- DR **VIVEK BOHRA** (HOD ECE AT IIITD, IEEE COMSOC DELHI CHAPTER CHAIR)
- DR **CHANEKAR PRASAD VILAS** (ASSISTANT PROF. AT ECE DEPT. IIITD)
- MR. **MUSKESH SAHU** (FORMER HOD ECE AT GTBIT, HOD IIPC AT GTBIT)
- MS. **AKSHITA GUPTA** (PHD SCHOLAR AT IIITD)
- MS. **ANKITA RANI** (CODING NINJAS)

THE EMPOWHER HACKATHON (HELD IN COLLAB WITH IEEE COMSOC DELHI CHAPTER) SAW AN INCREDIBLE FOOTFALL OF MORE THAN 225 STUDENTS, WITH 58 TEAMS SHOWING UP FOR THE FLAGSHIP EVENT. THE WIE (WOMEN IN ENGINEERING) AFFINITY GROUP OF IEEE IIIT-DELHI INTRODUCED THE SCOPE AND TRACKS OF THE EMPOWHER HACKATHON WITH AN ELABORATE DESCRIPTION OF THE DELIVERABLES. THE IDEATION PHASE OF THE HACKATHON BEGAN SUBSEQUENTLY.



HIGHLIGHT IMAGE: EMPOWHER - A WOMEN-CENTRIC HACKATHON

IEEE IIITD X ELECTROHOLICS: HARDWARE & ROBOTICS WORKSHOP

DATE: 15/10/2023

TO EXPLORE THE HARDWARE SIDE OF THINGS, THE INTRODUCTION TO ROBOTICS WORKSHOP DELIVERED KNOWLEDGE ABOUT ALL REQUIRED TO BUILD WORKING MINI-ROBOTS. EXPERIENCED STUDENTS FROM THE ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT HELD THIS WORKSHOP. THE REACH AND RESOURCEFULNESS OF THIS EVENT WERE UNPARALLELED FOR THE ECE DOMAIN.

CLUB HIGHLIGHTS

IEEE DAY 2023

IEEE IIITD X ELECTROHOLICS: MINI-ROBOWARS CONTEST

DATE: 15/10/2023

A HANDS-ON ROBOWARS CHALLENGE WILL FOLLOW THE ROBOTICS ABOVE WORKSHOP. PARTICIPANTS WILL BUILD THEIR CUSTOM ROBOTS USING ACTUAL EQUIPMENT AND PIT THEM AGAINST EACH OTHER.

THE LAST-STANDING ROBOTS WILL WIN THIS COMPETITIVE CHALLENGE.



HIGHLIGHT IMAGE: IEEE IIITD X ELECTROHOLICS: MINI-ROBOWARS CONTEST

IEEE IIITD X OWASP IIITD: INTRODUCTION TO CTFs WORKSHOP

DATE: 16/10/2023

PARTICIPANTS WERE INTRODUCED TO CYBERSECURITY AND ETHICAL HACKING THROUGH THE PERSPECTIVE OF CAPTURE THE FLAG (CTF) TOURNAMENTS, WHICH ARE (USUALLY) INTERNATIONAL COMPETITIONS DESIGNED TO PROMOTE EXPERIMENTING WITH HACKING SAFELY AND ETHICALLY. THE SESSION WAS FOLLOWED BY A HANDS-ON WORKSHOP WHERE PARTICIPANTS PARTICIPATED IN A MINI-CTF.

IEEE IIITD X TRIVIALIS: BACHMANITY INSANITY QUIZ

DATE: 14/10/2023

IEEE IIIT-DELHI HOSTED ITS PREMIER BIZ-TECH QUIZ IN COLLABORATION WITH TRIVIALIS, ENCOMPASSING VARIOUS TOPICS TO TEST THE PARTICIPANTS' KNOWLEDGE. THE COMPETITION COMPRISED TWO PHASES: AN INITIAL WRITTEN ROUND TO SELECT QUALIFYING TEAMS AND A FINAL ROUND EMPLOYING A STANDARD ROTATING QUESTION-AND-ANSWER FORMAT. THE QUIZ COVERED ANYTHING AND EVERYTHING FROM THE FIELDS OF BUSINESS AND TECHNOLOGY.

CLUB HIGHLIGHTS

ELECTROHOLICS

ELECTROHOLICS X BTECH INDUCTION CLUB MELA 2023

DATE: 06/08/2023

THE EVENT SHOWCASED A DIVERSE RANGE OF INNOVATIVE DEMONSTRATIONS, INCLUDING A CAPTIVATING SUPER MARIO GAME IMPLEMENTED WITH RPI PICO, A THRILLING DINO GAME CREATED USING ARDUINO AND LCD TECHNOLOGY, ENGAGING MINI ROBOWARS, AND A FASCINATING DISPLAY OF A TESLA COIL. ADDING AN INTERACTIVE TWIST, PARTICIPANTS ALSO ENJOYED A STIMULATING MINI QUIZ ACTIVITY, ENHANCING THE OVERALL EXPERIENCE OF THE EVENT WITH A BLEND OF TECHNOLOGY, CREATIVITY, AND KNOWLEDGE.



HIGHLIGHT IMAGE: ELECTROHOLICS PCB DESIGNING WORKSHOP

ELECTROHOLICS PCB DESIGNING WORKSHOP

DATE: 19/10/2023

ENTHUSIASTIC PARTICIPANTS IMMERSSED THEMSELVES IN THE CAPTIVATING REALM OF PCB DESIGN, UTILIZING THE POTENT KICAD SOFTWARE. THE WORKSHOP PROVIDED COMPREHENSIVE GUIDANCE, LEADING ATTENDEES THROUGH EACH STAGE OF THE DESIGN PROCESS, ENCOMPASSING SCHEMATIC CREATION, LAYOUT PLANNING, AND THE GENERATION OF GERBER FILES. TAILORED FOR EAGER FIRST AND SECOND-YEAR STUDENTS, WITH A PARTICULAR FOCUS ON THOSE ENROLLED IN THE CTD COURSE, THE SESSION AIMED TO EMPOWER BUDDING ENGINEERS WITH PRACTICAL INSIGHTS INTO ELECTRONIC DESIGN.

EVENT HIGHLIGHTS

ECE DAY

THE CURTAINS ROSE ON SEPTEMBER 18, 2023, UNVEILING THE HIGHLY ANTICIPATED ANNUAL CELEBRATION OF THE ELECTRONICS AND COMMUNICATION ENGINEERING (ECE) DEPARTMENT AT INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY (IIIT-D). THIS DAY MARKED A JUBILANT GATHERING OF THE ECE FAMILY, A TESTAMENT TO COLLECTIVE EFFORT, DEDICATION, AND THE SPIRIT THAT DEFINES OUR ESTEEMED DEPARTMENT.

THE FESTIVITIES COMMENCE WITH AN ENTHUSIASTIC WELCOME, INVITING ALL TO PARTAKE IN THE CELEBRATION OF ACHIEVEMENTS AND PROGRESS. AN ENLIGHTENING VIDEO SHED LIGHT ON THE LIVES OF OUR CHERISHED FACULTY MEMBERS, REVEALING THEIR PASSIONS, MEMORIES, AND PROFOUND CONNECTIONS WITH STUDENTS. THIS VIDEO SHOWCASED THE DIVERSE TAPESTRY THAT ENRICHES OUR ACADEMIC COMMUNITY.

DR. RANJAN BOSE, THE ESTEEMED DIRECTOR, GRACED THE EVENT WITH HIS PRESENCE, IMPARTING INVALUABLE INSIGHTS AND ENCOURAGING THE PURSUIT OF EXCELLENCE.

A MOMENT OF HONOR WAS RESERVED FOR FACULTY MEMBERS COMPLETING A DECADE OF DEDICATED SERVICE. THEIR UNWAVERING COMMITMENT TO SHAPING THE FUTURE ENGINEERS WAS ACKNOWLEDGED AND APPRECIATED. THE EVENT FURTHER CELEBRATED THE OUTSTANDING STUDENTS WHO EXCELLED IN COURSEWORK, PROJECTS, RESEARCH, AND TASHIP, AN INITIATIVE TERMED "APPRECIATING CHAMPIONS OF ECE" (ACE).



ECE DAY

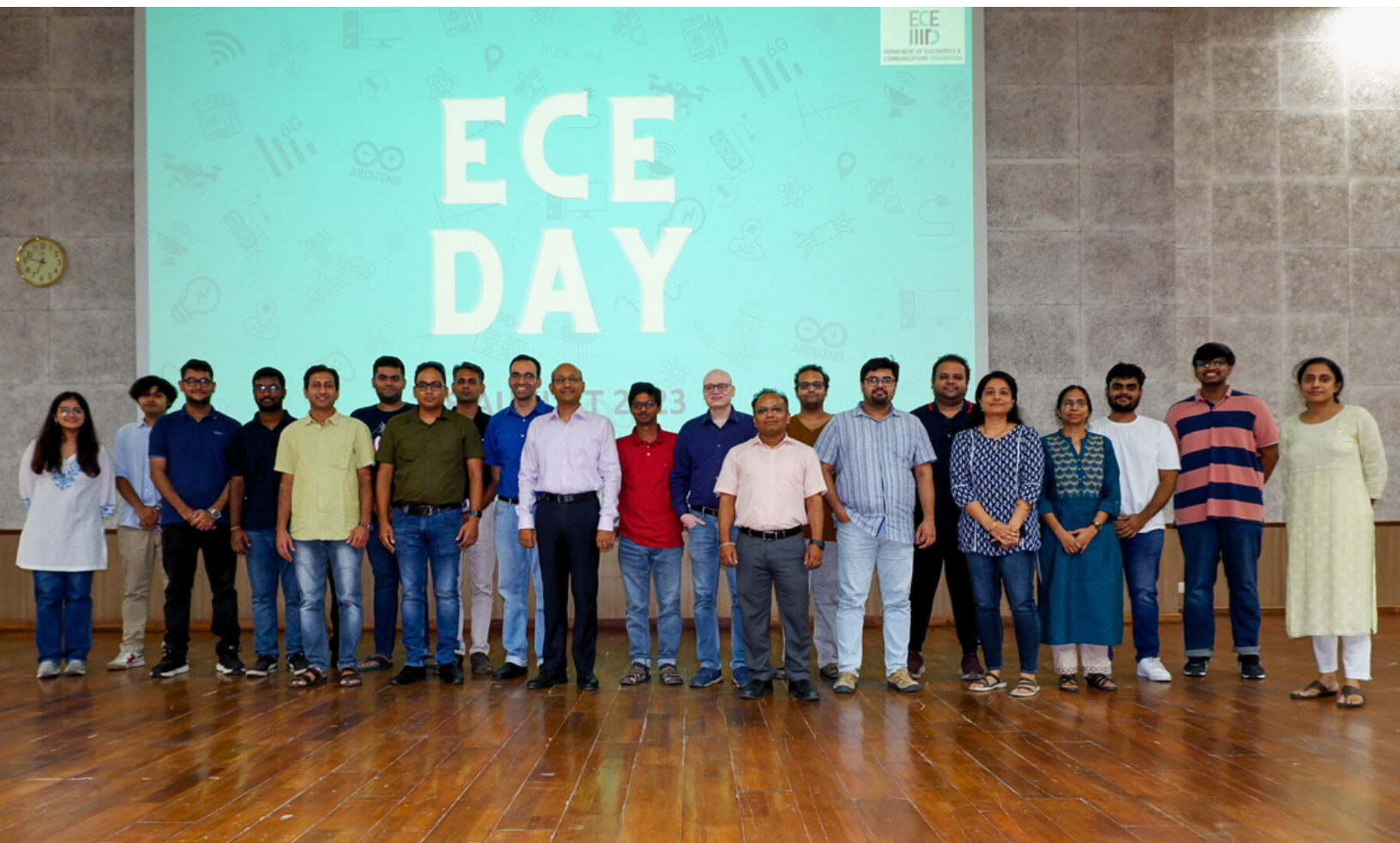
THE AUDIENCE WAS THEN ENGAGED IN A LIVELY AND ENGAGING QUIZ, TESTING THEIR KNOWLEDGE AND WIT. LAUGHTER AND EXCITEMENT REVERBERATED THROUGH THE ROOM AS THE AUDIENCE SHOWCASED THEIR INTELLECT.

IN THE SPIRIT OF FRIENDLY COMPETITION, THE WINNERS OF THE ECE GET-TOGETHER LINKEDIN PHOTO COMPETITION WERE ANNOUNCED. THEIR CAPTIVATING PHOTOS EMBODIED THE VIBRANT ECE SPIRIT, SHOWCASING THEIR CREATIVE FLAIR AND GARNERING WELL-DESERVED APPLAUSE.

DR. VIVEK BOHRA, IN HIS CONCLUDING REMARKS, EMPHASIZED THE COLLECTIVE EFFORT, DEDICATION, AND SPIRIT THAT DEFINE THE ECE DEPARTMENT. THE EVENT WAS A TESTAMENT TO THE CULTURE OF EXCELLENCE AND INNOVATION THAT PERMEATES IIIT-D.

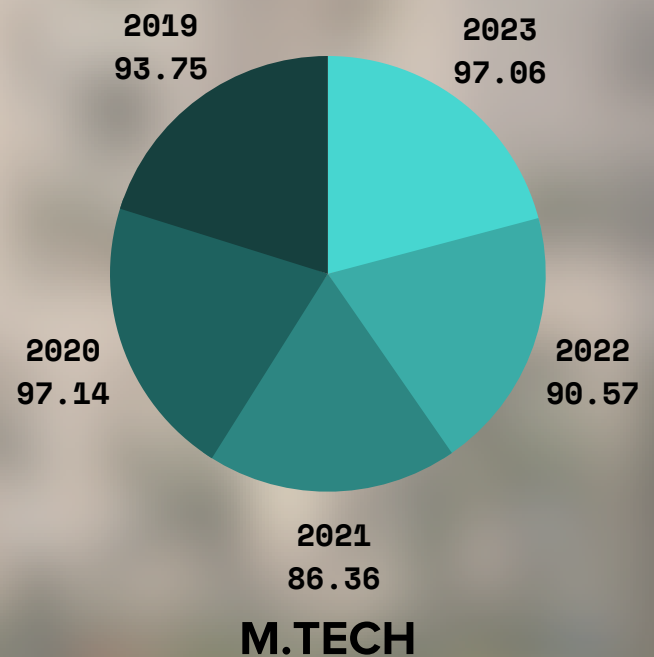
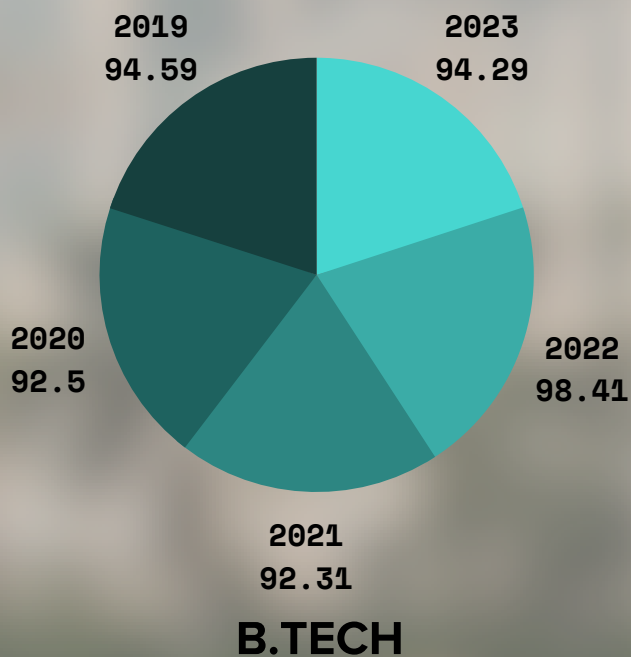
THE DAY CONCLUDED WITH A GROUP PHOTOGRAPH, CAPTURING THE ESSENCE OF UNITY AND THE PROMISE OF A BRIGHT FUTURE FOR THE ECE DEPARTMENT.

IN RETROSPECT, THE ECE DAY CELEBRATION AT IIIT-D WAS AN EPITOME OF UNITY, CELEBRATION, AND ACADEMIC BRILLIANCE—A DAY ETCHED IN THE HEARTS OF ALL PRESENT, PROMISING A BRIGHT FUTURE OF CONTINUED SUCCESS AND INNOVATION IN THE FIELD OF ELECTRONICS AND COMMUNICATION ENGINEERING.



PLACEMENT STATISTICS

YEAR	PLACEMENT PERCENTAGE	YEAR	PLACEMENT PERCENTAGE
B.TECH 2023	94.29	M.TECH 2023	97.06
B.TECH 2022	98.41	M.TECH 2022	90.57
B.TECH 2021	92.31	M.TECH 2021	86.36
B.TECH 2020	92.5	M.TECH 2020	97.14
B.TECH 2019	94.59	M.TECH 2019	93.75



THE TEAM BEHIND ELECTROBUZZ

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E C E D E P A R T M E N T A L N E W S L E T T E R



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