## EDITORIAL

**Greetings from SiliconTech!**

Silicon stepped into New Year 2022 with a hope of revitalized academic activities. The momentum picked up with a very good conference OCIT-2021, a popular workshop NES-2021 and our new students joining the campus for physical classes. But there was a break in that due to a month-long closure of physical activities due to the third wave of COVID-19. However, upon reopening, the examinations and classes are being conducted in physical mode. Student activities like SIT-MUN 2022, (the Model United Nations) and a quiz by the Quiz Club were organized, with external participants joining physically. Spring is here and the campus has sprung into action with students brimming with enthusiasm. Our students are prepping for more technical events and competitions, especially for the Smart India Hackathon (SIH).

Around 100 students joined the Practice School in 8th semester compared with only 28 students who had joined during the 7th semester. The most significant achievement this quarter is the admission of 42 PhD students into our maiden research program in different disciplines. This is going to give a major impetus to our research activities and provide valuable experience to our faculty members as PhD supervisors.

The Department of Basic Sciences and Humanities (BSH) organized the 4th edition of the National Webinar on Functional Materials for Emerging Technology (FMET 2022) with invited speakers from renowned universities and research organizations from India and abroad. The Department of Electrical and Electronics Engineering (EEE) organized an STTP on 'Recent Trends in Electrical Vehicle Technology (RTEVT 2022)' during the quarter. Many of our important meetings were conducted in February and March viz. the meetings of different Boards of Studies, the Academic Council and the Governing Body, thereby making the system fully functional in physical mode. With academics, research and varied events in full swing after the pandemic, we hope the campus will return to normalcy within a few months.

**Prof. (Dr.) Saroj Kanta Misra**
**DIRECTOR**

# NEWS & EVENTS

## Advanced VLSI Lab trains NCGs as part of Launch Lab initiative

Our Advanced VLSI Lab trained 38 New College Graduates (NCGs) from 20 colleges across India and abroad as part of Sevya - SiliconTech's Launch Lab initiative. Launch Lab was started to accelerate the training of NCGs to help them get placed in industry projects after completing 2-3 months training which would otherwise take 2-3 years. 38 NCGs were trained in the three major VLSI domains of Process Design Kit (PDK) development, DRAM Memory verification, and Custom Layout Design. 15 trainees have been placed at two leading semiconductor companies on direct client projects by Sevya Multimedia while 10 SiliconTech students from Advanced VLSI Lab or Launch Lab were hired by six leading semiconductor companies.

## Shri Ashok Kumar Basa, our GB member,elected as Executive Vice President of WFEO

SiliconTech family congratulates Shri Ashok Kumar Basa, member of our Governing Body (GB) on being elected as the Executive Vice President of the World Federation of Engineering Organization (WFEO). Shri Basa is the first Odia and the second Indian to achieve the prestigious position in the highly regarded international organization for engineers.

## SiliconTech wins consultancy project

The Power Electronics and Systems Research & Consultancy Group at SiliconTech, bagged a project entitled 'Integrated Network Planning and System Study' for GangadharMeher Lift Irrigation Project, Bijepur in the Sambalpur district, under the Department of Water Resources, Government of Odisha. This research group is headed by Prof. (Dr.) Rama Prasad Panda, from the Department of Electrical & Electronics Engineering.

## National Workshop on Functional Materials (FMET 2022)

The Department of Basic Sciences & Humanities (BSH) conducted the 4th national workshop virtually on "Functional Materials for Emerging Technology (FMET)" from 14 – 17 March 2022. The keynote speaker, Prof. S.D. Mahanti of Michigan State University, USA, delivered a talk on 'Thermoelectricity, History, Renaissance, and Challenges', Dr. Purusottam Jena of Virginia Commonwealth University, USA deliberated on 'Cluster-based solid electrolytes for Li-ion Batteries' while Dr. Prakash Patnaik, Director at National Research Council, Canada spoke on 'Advanced Multi-Functional Materials through Additive Manufacturing'.



## Invited Talk on High Performance Computing

The Department of Computer Science and Engineering (CSE) organized an invited talk on "High Performance Computing and AI for All", by eminent Prof. Dhabaleswar K. Panda, Faculty Chair, Ohio State University, USA on 22 March 2022. The objective of the talk was to disseminate knowledge regarding the integration of Supercomputers with Exabyte Computational Capability, integrated with ML/DL (Machine Learning/ Deep Learning).The talk was followed by an insightful Q/A session regarding technological advancements and opportunities for higher studies at Ohio State University.

## STTP on Recent Trends in EV Technology (RTEVT 2022)

The Department of Electrical and Electronics Engineering (EEE), in association with IEEE Bhubaneswar Sub-section PES and IES Chapter, organized a three-day Short Term Training Program (STTP) on "Recent Trends in Electric Vehicle Technology (RTEVT 2022)" starting from 15 March 2022 in the virtual mode. The key resource persons were Mr. Nanda Kishore Panda from Delft University of Technology, Netherlands; Dr. Dipankar Debnath from IIT Kharagpur; Dr. P. Chandrasekhar from IIT Bhubaneswar; Dr. Ritesh Keshri from Visvesvaraya National Institute of Technology (VNIT), Nagpur and Dr. Chandrasekhar Reddy Atla from Power Research & Development Consultants (PRDC), Bengaluru.



## Webinar on skills in Power Supply Design

The Department of Electronics & Instrumentation Engineering (EIE) organized a webinar on 'Design of a Regulated Constant Voltage Power Supply from a Variable Supply Input using a Physical PCB and IoT (DRVSPI 2022)' on 28 March 2022 in the hybrid mode to familiarize participants with the latest technologies. Mr. Mukesh Singh, co- founder and trainer of Robogenesis, Bhubaneswar, conducted the session.

## FDP on 'Crucial Accountability and Stakeholder Communication'

SiliconTech organized a Faculty Development Program (FDP) on 'Crucial Accountability and Stakeholder Communication' on 8 January 2022, facilitated by Mr. V. Narasimhan, Head of Learning and Development at Sundaram Learning, Chennai. The objective of the session was to instill a sense of accountability among the participants to improve their performance at work and at home. 35 faculty members attended the FDP and learnt about NVC (Nonviolent Communication), choosing connection over correction and communicating with empathy.



## Awareness Program on Energy Conservation

The Department of Electrical & Electronics Engineering (EEE), in collaboration with the Petroleum Conservation Research Association (PCRA) and IEEE students' chapter, conducted an awareness program on Energy Conservation and ISO 50001:2018 EnMS on 31 March 2022. The keynote speaker, Mr. Sribatsa Panda, currently working as an External Faculty (Industry) for PCRA and Former DG, Business Excellence, SAIL's Bokaro Steel Plant, created awareness among the students about energy conservation.



## Induction cum Refresher Program

The Internal Quality Assurance Cell (IQAC), in association with the Human Resources (HR) Cell, organized an Induction-Cum-Refresher Program on 26 March 2022to acquaint the faculty members who joined between Jan-Mar 2022 with the functioning of the Institute and convey the professional expectations while they discharge their duties. It also served as a Refresher program for the faculty members who have joined since 2018. Dr. Nitai Sundar Das, Director of C.V. Raman Bosch Rexroth Centre of Excellence and Dr. Tanmay Panda, a visiting Professor at SiliconTech delivered talks on the importance of teaching learning process and the role of an educator.



## First PhD Induction Program

SiliconTech launched its PhD program in January 2022. During the third week of February, 42 candidates, selected via an entrance exam followed by interview, enrolled in various PhD programs. The induction program for newly admitted PhD scholars was conducted on 26 February 2022. The key speakers who addressed the participants were Dr. Saroj Kanta Misra, Director-in-charge; Dr. Soumya Panda, Senior Assistant Professor, CSE; Dr. Saroj Rout, Additional Professor, EEE; Dr. Jayashree Das, Dean (Research); Dr. Tanmay Panda, a visiting Professor at SiliconTech and Dr. Sunil Kumar Sarangi, Ex-Director, NIT, Rourkela.

## SITMUN 2022

SiliconTech organized the 4th edition of the Silicon Institute of Technology Model United Nations (SITMUN 2022) from 11 – 13 March 2022.  S. Sushree, DCP Traffic, Bhubaneswar- Cuttack, the youngest IPS Officer of Odisha Cadre, was invited as the Chief Guest. The conference had three committees– United Nations General Assembly Disarmament and International Security Committee (UNGA DISEC), United Nations Human Rights Council (UNHRC) and United Nations Framework Convention for Climate Change (UNFCCC) and one international press. 150 delegates from SiliconTech and other colleges in Bhubaneswar attended the conference.



## Internal hackathon for SIH 2022

The Student Innovation & Promotion Cell (SIPC) organized an internal hackathon to select teams for the Smart India Hackathon (SIH) 2022 on 26 March 2022. 21 teams, each team comprising of 6 members, participated in the event across all branches. Evaluators from Silicon as well as from the industry were present. Mr. K. M. Rajan from CTTC, Dr. Suraj Sharma from IIIT, Mr. Shailendra Upadhyay from Cozentus and Mr. Vamsi Krishna from Datoms were the external jury members, while Dr. Pradyumna Tripathy, Dr. Saroj Rout and Dr. Bhawani Pattnaik were the internal jury members for the software and hardware versions.



## Open Mic 2K22 4.0

Meta Academics Cell organized the 4th edition of Open Mic 2K22 on 6 February 2022. It is an annual literary and musical event that focuses on the aspects of writing and speaking, celebrating words and emotions. The event, conducted virtually, consisted of three sections namely Poetry, Tell a Tale, and Stand-up Comedy. There were several filler performances ranging from acoustic to singing which served as a melodic change of pace.

## HackOverflow – 2022

The Silicon Wing of Technical Coding Hub (SWITCH) Club, under the SIPC, organized the HackOverflow-2022 (Software Edition) event in the campus on 27 March 2022. 25 teams, comprising 92 students, participated in this hackathon. The preliminary round was evaluated by a panel of judges comprising of Dr. Pulak Sahoo, Associate Professor, CSE, Dr. Soumya Panda, Senior. Assistant Professor, CSE & FC-SWITCH Club and Mr. Saurav Jha, Associate Software Engineer, Mindfire Solutions, Bhubaneswar and Ex-Secretary of SWITCH Club at SiliconTech. The final round was evaluated by an external expert – Mr. Dipankar Rath, Industry Principal, Infosys, Bhubaneswar. Team 'Entity', 'Devloopers', and 'Leadswing' bagged the positions of winner, 1st Runners-up and 2nd Runners-up respectively.
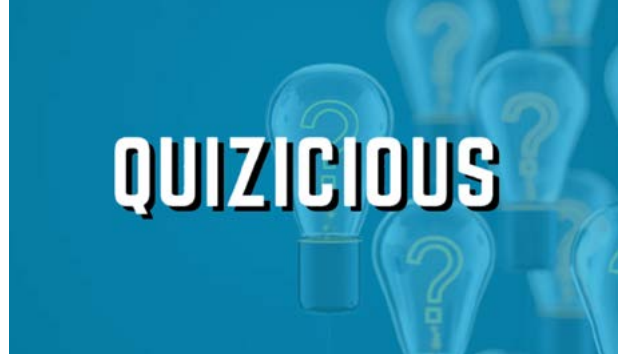
## Silicon Quiz Fest-2022

SiliconTech Quiz Club organized Silicon Quiz Fest 2022 on 12 and 13 March 2022. Quizient 2022, the Sports and Entertainment Quiz was conducted by our alumni Toyada Pattnaik (CSE, 2021). The winning teams were Piyush Kedia (IIT Kharagpur) & Samanway Banerjee (ProQuizzin League); Siddharth Mishra (NMIMS) & Saransh Mohapatra (Infosys) and Debjit Tripathy (EXL) & Manish Pradhan (Oracle). The 'Aurabinda Misra Memorial Quiz' was conducted by quizmaster Mr. Alankar Devta from Deloitte, Bengaluru. Piyush Kedia(IIT Kharagpur) & Samanway Banerjee (ProQuizzin League); . Adarsh Mohapatra (AIIMS,Bhubaneswar) & Baibaswata B. Jena (IIT Bombay);. Siddharth Mishra (NMIMS) & Saransh Mohapatra (Infosys) won the quiz.



## SiliconTech students win inter-college sports

SiliconTech students' Basketball Team won the 'Champions of the Orion Cup' during the annual 'Orion' cultural fest at Sri Sri University, Cuttack on 22 March 2022. Our students' Volleyball Team won the 'Champion's Trophy' at Valiant 5.0, a tournament organized by National Institute of Science and Technology (NIST), Berhampur on 22 – 23 March 2022. Our students' Badminton Team won the 'Champion's Trophy' in the Men's Doubles Badminton tournament which was organized by Sri Sri University on 23 March 2022.



## QUIZICIOUS 2022

Silicon Quiz Club organized 'Quizicious 2022', the first general intra quiz of the current academic year, on 30 January 2022 in the virtual mode. The event recognized the budding talents of the Institute, especially the ones aspiring to enter this vast world of college quizzing along with the veteran quizzers of the college. The quiz was co-ordinated by Dr. Subhakanta Dash, Faculty-in-charge, Silicon Student Council, and Mr. Dhananjaya Tripathy, Faculty Co-ordinator, Silicon Quiz Club. Quiz Master Siddhant Sahoo, Student Secretary of our Quiz Club (3rd year, ECE), conducted the event. A large number of students enthusiastically participated in Quizicious 2022.



## Students interact with Hon'ble Consulate General of Italy

SiliconTech students got the opportunity to hear Dr. Gianluca Rubagotti, Consulate General of Italy, at a seminar on 'Pursuing post graduate engineering courses in Italy 'organized by the Department of Skill Development and Technical Education, Government of Odisha at the World Skill Center (WSC), Bhubaneswar on 15 March 2022. It was an informative and interactive session where our students explored the possibilities for Indian engineering students to pursue post-graduate studies in Italy. SiliconTech was among the few engineering colleges invited to attend the session and interact with Dr. Rubagotti physically.

## 73rd Republic Day

The students and staff of SiliconTech gathered to celebrate the 73rd Republic Day in the campus. This year marks the 75th anniversary of India's Independence. This incredible achievement is being observed at SiliconTech and throughout the country as 'Azadi ka Amrit Mahotsav', an initiative by the Ministry of Culture, Government of India to celebrate and commemorate the glorious history of its people, culture and achievements. Our Principal, Prof. (Dr.) Jaideep Talukdar, addressed the gathering with motivating words on the occasion.The event was celebrated in accordance with the COVID-19 SOPs.



## National Science Day 2022

The Silicon Green Club (SGC), in association with the Internal Quality Assurance Cell (IQAC), hosted an invited talk session entitled 'Science, Environment and Health' on 28 February 2022, to celebrate National Science Day. Dr. Jaya Krushna Panigrahi, Secretary, Odisha Environmental Society, delivered the talk, where he highlighted the importance of science & technology in shaping the future of mankind. He said that scientific awareness and knowledge can lead to a better living environment for the people and that only science and technology can offer sustainable answers to common problems. There were around 50 participants in this event.



## International Women's Day

SiliconTech's women employees observed International Women's Day (IWD) on 8 March 2022. The Human Resources (HR) team organized a brief interactive session as a gesture of appreciation for their contribution. The SAGE-W Cell (Social Awareness and Gender Equality for Women Cell) organized talks, panel discussions, and competitions on 26 March 2022. Three eminent women personalities- Dr. Chidatmika Khatua, a philanthropist & social activist renowned for conducting social welfare programs, Dr. Sunanda Mishra Panda, a social entrepreneur, community leader, and litterateur withover 30 years' experience in education and community service and Ms. Archita Sahu, renowned Indian actress and model- shared their experiences on theme of IWD 2022, "Gender equality today for a sustainable tomorrow". Deekshya Dash, BTech, CSE, 2022 was felicitated as the 'Woman Achiever of the Year'.



## Book Exhibition 2022

The Library Committee of Silicon Institute of Technology, Bhubaneswar (SiliconTech) organized a book exhibition on 11 and 12 March 2022. Over 650 titles were on display by two vendors in the exhibition. Books of various genres including Science, Technology, Mathematics, English and Literaturewere displayed and sold. The latest publications from several major publishers were also exhibited.

## Staff Award Function 2022

SiliconTech Staff Welfare Committee organized the Annual Staff Award function on 12 March 2022. Shri Joe Madiath, our Chairman, was the Guest of Honor. Commemorating 20 years of SiliconTech, Shri N. G. Dhall, our trustee, addressed the gathering. Staff members were awarded for long term service, completion of PhDs, and Post-doctoral research.



## Silicon Staff Sports 2022

Sports events were organized for our staff members from 10 to 11 January and 16 to 19 February 2022 in various outdoor and indoor games. All the matches were played with true sportsman spirit and enjoyed by the audience.

For further details on any news item, visit *https://silicon.ac.in/news/*

# EMPLOYEES IN NEWS

## Felicitation of Teams of the Quarter
### (Jul-Sep 2021 and Oct-Dec 2021)



Mr. Chittaranjan Behera, Dr. Siba Sankar Nayak, Dr. Jayashree Das, Dr. Soumya Panda, Dr. Sanjit Swain, Mr. Sushant Pattnaik, Mr. Umasankar Das (ex-employee), Mr. Gopal Chandra Sahoo, Ms. Biplabini Mahakud, Ms. Suchi Sangeeta, Mr. Chandrajit Swain, Mr. Arun Baral and Mr. Mahesh Behera



Dr. Ramaprasad Panda, Dr. Prayag Mishra, Mr. Gopal Chandra Sahoo, Mr. Chandrajit Swain and other team members

**Dr. Saswati Jena**, Assistant Professor, Department of Basic Sciences and Humanities (BSH) was invited to speak at

- Paricharcha, an event hosted by MANODARPAN - an initiative of the Ministry of Education (MoE, Govt of India), about 'Prevention of substance abuse among adolescents in school' on 18 February 2022
- RIE (Regional Institute of Education), NCERT on "Relationship between knowledge, skills and application" on 24 & 25 January 2022 and on "Understanding Myself and my Mental health" on 7 February 2022



Dr. Saswati Jena



Dr. Ramaprasad Panda

**Dr. Ramaprasad Panda**, Associate Professor, Department of Electrical and Electronics Engineering (EEE), delivered a talk on "Solving Industry Problems through Academics" at the SOA weekly Academic Lecture on 12 February 2022, organized by the Department of Electrical and Electronics Engineering in ITER, Siksha O Anusandhan (Deemed to be University), Bhubaneswar.

# STUDENT ACHIEVERS

**Chandan**@Mentor

Chandan Singh (ECE, 2022) got placed in Mentor Graphics, one of the renowned US- based Electronic Design Automation (EDA) company, with a package of 20LPA. Currently, he is interning under Practice School Program at Mentor Graphics with a 40K monthly stipend. He worked as a project trainee with STMicroelectronics during his 7th semester.

**Swapna**@Amazon

Swapna Sanjog Mohanty, (CSE, 2022) got placed in Amazon with a package of 25 LPA. He did his Practice School program in Devathon in his 7th semester. Currently, he has a rank of 75 in LeetCode and 705 in Codeforces.

**Core Sector Placements**

Companies from the core sector - Adani and JSW group - have made job offers with 6 and 8 LPA packages, respectively. Sanjog Samuel Samantaray (CSE), Abhishek Ranjan (ECE), Shubham Kumar (ECE)and Nikhil Mohanty (EEE) have got offers from JSW. Yash Agrawalla (EEE) has got offers from JSW and Adani.

**GATE Result 2022**

More than 10 students from SiliconTech have qualified for GATE 2022. Five students from batch 2022 and 2023 have been ranked within top 3000. Ahana Roy (CSE) with AIR 1225 and Smrutiranjan Dalai (CSE) with AIR 720 are the top rankers of Silicon from graduating batch 2022 and 2023 respectively.

# RESEARCH & PUBLICATIONS

| Scopus/SCI Indexed journals: 8 |
| Conference proceedings: 10 |
| Book Chapters: 2 |

## Improving real time dark images for better night driving performance

The human vision has a limited ability to perceive objects under darkness, which makes driving at night dangerous when the approaching vehicles' high beams are projecting into the drivers' eyes. The Signal Processing Research Group at SiliconTech has implemented a novel piecewise adaptive gamma correction method which produces a non- linear piecewise transfer function. This method can make darker objects appear brighter, while preserving the information content of the brighter regions without causing any unnatural effects. The current dark image enhancement algorithms tend to over-enhance the brighter regions and fade the darker regions which results in information loss.

## Analysis of metal packaged FBG temperature sensor probe

The Optical Research team at SiliconTech has developed a temperature sensor calibration set-up at the laboratory facility, by using a standard metal rod- type thermistor probe, heating element, and an FBG sensor (1535nm) probe. This team developed National Instruments LabVIEW application for the data acquisition process. The experimental setup was used to evaluate the static characteristic parameters of the metal- packaged FBG temperature sensor, such as sensitivity, accuracy, hysteresis, non-linearity, etc. The sensor can support a temperature measurement range of 30℃− 80℃. After examining the dynamic characteristics, an error compensation technique using an adaptive algorithm will be developed.

# INDUSTRY INTERFACE

## PLACEMENT HIGHLIGHTS

Despite the pandemic, SiliconTech placement numbers for graduating batch 2022 have crossed all previous year benchmarks.

*Placement snapshot for eligible students, as on 31 March 2022*

### BTech
96% students placed

1050 job offers

221 Internships

54 companies participated

25 LPA highest package

### MCA
83% students placed

116 job offers

30 companies participated

7.5 LPA highest package

### MSc (Data Science)
65% students placed

15 companies participated

5.75 LPA highest package

## Top recruiters *(in terms of the number of job offers made)*

**IT services/consulting sector**
Accenture, Capgemini, DXC, Infosys, IBM, TCS, PWC and WIPRO

**Core Companies**
Adani, JSW and TATA Power Odisha

**Product-based sector**
Amazon, Accolite, Capilary, Prodapt, Propelld, SAP Labs and Valuelabs

**VLSI sector**
Mentor Graphics, ST Micron, Open Silicon, Sevya Multimedia, CoreEL, Global Foundries

## PRACTICE SCHOOL HIGHLIGHTS

SiliconTech's first Practice School (PS) batch under autonomy completed their PS program with their final PS presentation on 8 Jan 2022.

- 28 students from BTech final year had opted for PS in their 7th semester from July to December 2021

- 100 students from BTech final year have opted for PS in their 8th semester from January to June 2022

- The students are getting a monthly stipend between 10K and 40K during their PS program

- These selected students worked/ are working on the latest technologies in real- life projects in various PS stations (private/ public organizations)

| | | | | |
|---|---|---|---|---|
| Accesocloud | Capillary | DGLiger | Micron | Sevya Multimedia |
| Accolite | Cognizant | Incture | Open-Silicon | ST Micron |
| Adiyan Services | Cozentus | Infosys | PRDC | Valuelab |
| ALLD Technology | Date The Ramp | Maventic | Prodapt | VVDN |
| Capgemini | Devathon | Mentography | Propelld | |

# ENTREPRENEURSHIP DEVELOPMENT



The Entrepreneurship Development Cell (ED Cell) organized various sessions on entrepreneurship and innovation, as part of the Mentor- Mentee program of MoE, Government of India, in the online mode from 11-13 February 2022. Mr. Dhananjay Banthia (NLP Practitioner & Mind Trainer), Mr. Chittaranjan Pattanaik, Regional Coordinator, Entrepreneurship Development Institute of India (EDII), and Dr. Pankaj Parashar, Founder and CEO, Cutting Edge Medical Devices Pvt. Ltd. conducted sessions on 'Design Thinking, Critical Thinking and Innovation Design', 'Entrepreneurship Skill, Attitude and Behavior Development', and 'Achieving Problem- Solution Fit & Product-Market Fit' respectively.

# ALUMNI BUZZ/ AFFAIRS

### Webinar by Raj Jha(CSE, 2019)

Raj Jha, a SiliconTech alumnus (CSE, 2019), conducted a webinar on 'Key to Cracking GATE' on 22 January 2022. The webinar aimed to increase students' awareness of GATE preparation and guide them to find the right expert to helpthem crack the exam. Raj had secured AIR 222 in GATE CSE 2020. He had received the BPUT Gold Medal for being the CSE branch topper (Batch 2015-2019) of the University. He also received the 'Arjun Bhuyan Gold Medal for Best Graduate' from BPUT. Currently, he is pursuing his MTech at IISc Bangalore.

### Hrishik Mishra (EEE, 2010) contributing to DLR, NASA, and MIT Project

Hrishik Mishra, a SiliconTech alumnus (EEE, 2010) is currently working as a research associate in the Department of Analysis and Control of Advanced Robotic Systems in the Institute of Robotics and Mechatronics of the German Aerospace Center (DLR) where he is conducting research on orbital robotics and aims to develop robotic technologies for on- orbit servicing operations (e.g., refueling satellites), on- orbit assembly (e.g., building a telescope), and active debris removal. Through his research, he has got the opportunity to work on projects that are funded by DLR (internal), the European Union (EU), European Space Agency (ESA), and other external organizations like NASA.

# ALUMNI
# IN FOCUS

## BRIJESH SAMANTARAY
Co-founder, Propelld
B.Tech. (ETC) 2007-2011

Brijesh is a passionate entrepreneur, keen about problem-solving. After working with HSBC Bank for two years, he started Stockupp, a hyperlocal grocery delivery service in Mumbai. Keeping interest in the traditional Indian arts and crafts, he also founded a non-profit enterprise called Odraarts, a platform for connecting artisans to art lovers in an easily accessible and transparent manner. His stint with entrepreneurship started before Propelld where he was the founder of a fashion tech company. Brijesh completed his MBA from IIT Madras, after completing his BTech from Silicon in 2011.

## BANASMITA KAR
Research Analyst, GreyB Research
B.Tech. (AEI) 2010-2014

Banasmita completed her MTech from IIT Delhi in 2019, after completing her BTech from Silicon. Prior to GreyB Research, she was working as a Biomechanics Engineer in Indian Spinal Injuries Center (ISIC), New Delhi. Her area of research involved fundamental studies of spine biomechanics. Her work experience includes design of research projects on biomechanics of spine/orthopedics, design of experiment protocols for biomechanics studies, teaching faculty at the ISIC Institute of Rehabilitation Sciences. Currently, she is working at GreyB research as a research analyst in the patent research domain that involves technical research in both electronics and medical technology. She is also pursuing MA in Psychology to research in interdisciplinary field of psychology and neuroscience.

## SUBHENDU SUBUDHI
Lead Consultant at Genpact, Pune (Client- Credit Suisse)
B.Tech. (CSE) 2011-2015

Subhendu holds 7 years' of enriching experience as an IT Professional. He has extensive domain expertise in the Insurance and Capital Investment Banking sectors and was awarded the 'Best FP Educator', 'Most Valuable Player' and 'HiLife Achiever Award' for consistent high values offered to clients while in Infosys. He takes pride in Silicon which helped him inculcate traits like leadership, discipline, sincerity and excellent interpersonal skills in him. He was the Secretary General (Silicon Students' Council) in 2015 and received the Best Student of the Year award for 2011-2015 batch. He likes traveling, going to gym, trekking and trying his hands at cooking new dishes during his free time.

## AJIT KUMAR PATRA
Library Design Engineer, Intel Corporation, Bengaluru
B. Tech. (ECE) 2017-2021

Ajit is currently working as a Library Design Engineer at Intel India Pvt. Ltd., the world's largest semiconductor chip manufacturing company. He is working on standard cell layout design on cutting edge technologies. His responsibilities include understanding standard cell architecture, design and optimization of standard cell layouts considering area performance reliability trade- offs and verification of layouts for design and architecture rules. He plans to enroll himself in the Development of Automation for Library design in future. His leisure is dedicated to travelling with family and friends