

Buddy Programme

NANOELECTRONIC SYSTEMS
– WISE 26/27



The Journey of a Buddy

- Empowering students to reach their full potential by providing **guidance** for both academics as well as personal life since most of them are new to Germany and TU Dresden.
- A group of experienced mentors are
- chosen to provide valuable insights



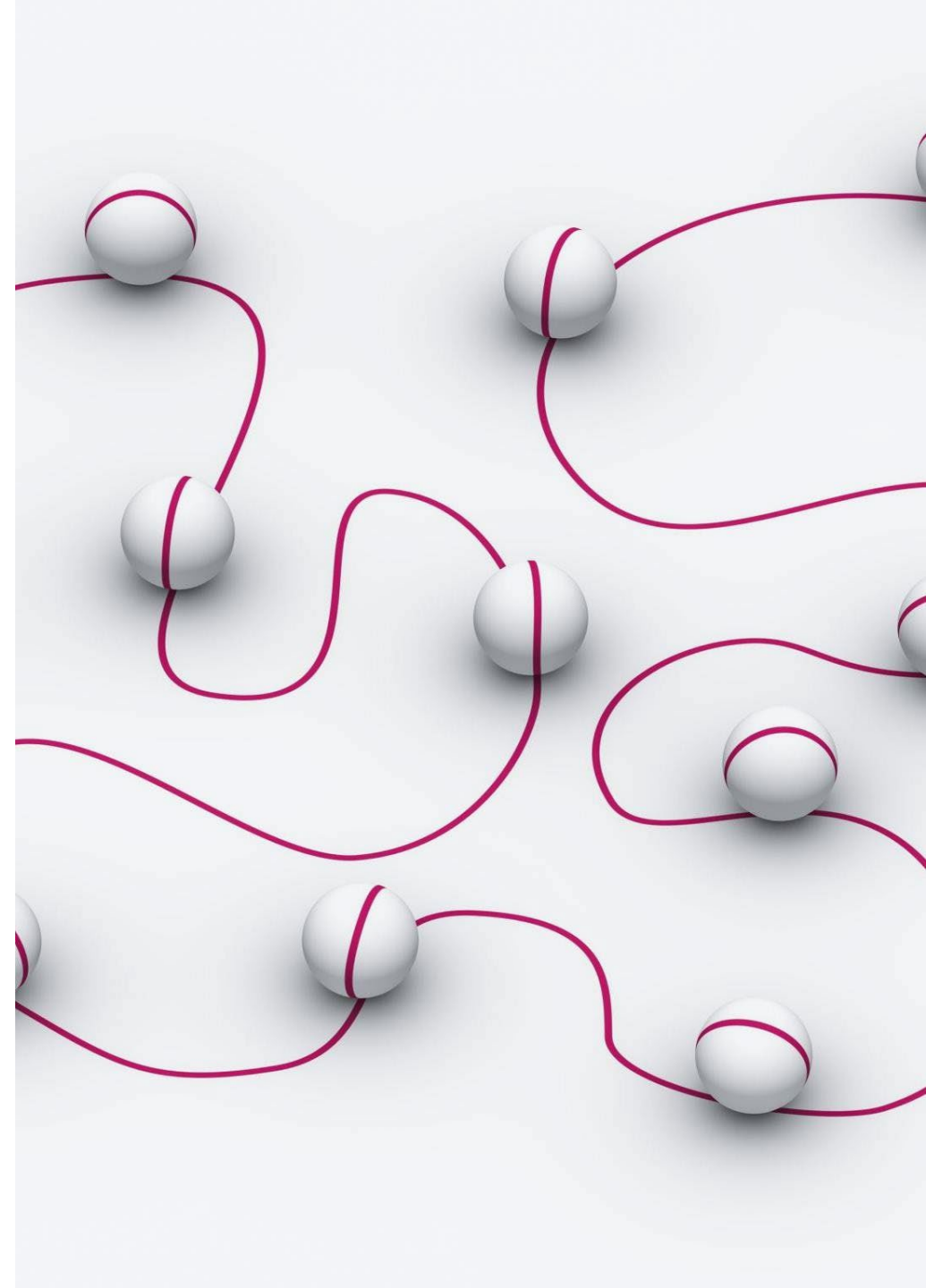
Celebrating Community and Growth

Experience the power of collaboration and shared learning. Build friendships that go beyond classrooms and grow through collective experiences that shape both your personal and professional journey.



Rules to choose a Buddy

- Try to make a rough idea of your career path viz. Design / Technology/ Applications (*can be changed later from your choice/experience*)
- Go through the List of Mentors thoroughly and understand the specialization of each Mentor
- Choosing of Mentor is **first come first serve** basis and each Mentor can only support fixed number of Mentees.
- Make **3 preferences** of your Mentor, since you may not be assigned to your first choice
- Start filling with your first choice, if not available next choice and so on
- If none preference worked, please choose another Mentor with similar specialization or contact us



List of Buddies





Jayanta Chowdhury

- **Semester:** Graduate
- **Email:** jayanta.chowdhury@mailbox.tu-dresden.de
- **Languages:** Bengali, Hindi, English and Deutsch
- **Field of Interest:** Design
- **Career Orientation:** Cryptography
- **Project Work Topic :** Re factorization of SERDES Module
- **Master's Thesis Topic :** Hardware implementation of Hybrid FHE Bootstrapping
- **Interested** in Playing instruments, taking part in plays and travelling
- **Currently employed** at Barkhausen Institut



Abhijit Suresh Gadekar

- **Semester:** Fifth
- **Email:** abhijit_suresh.gadekar@mailbox.tu-dresden.de
- **Languages:** English, Marathi, Hindi
- **Field of Interest:** Design (Digital)
- **Career Orientation:** ASIC/SoC Digital Design:
RTL to GDS
- **Currently employed** at Innovations for High Performance
Microelectronics (IHP)



Ankit Singh Danu

- **Semester:** Fifth
- **Email:** ankit_singh.danu@mailbox.tu-dresden.de
- **Languages:** English, Hindi , German
- **Field of Interest:** Design - Digital
- **Career Orientation:** RTL & Physical Design
- **Currently employed** at Fraunhofer IIS



Sanjai Palanisamy

- **Semester:** Fifth
- **Email:** sanjai.palanisamy@mailbox.tu-dresden.de
- **Languages:** Tamil, English
- **Field of Interest:** Design - Digital
- **Career Orientation:** Digital design, design verification
- **Currently employed** at Bosch Sensortec



Raghuveer Pundaliksa Meharwade

NES Student Coordinator and Current
Member of FSRET

- **Semester:** Fourth
- Email: raghuveer_pundaliksa.meharwade@mailbox.tu-dresden.de
- **Languages:** Hindi, English, Kannada, German(A2)
- Field of Interest: Technology
- **Career Orientation:** Material Science, Acoustofluidics
- **Project Work Topic :** Data-Driven Exploration and Characterization of Covalent Organic Frameworks.
- **Currently employed** at Fraunhofer Institute for Electronic Nanosystems, Leibniz Institute for Solid State and Materials Research



Taarun Jain

- **Semester** :Fifth
- **Email**: taarun.jain@mailbox.tu-dresden.de
- **Languages**: English, Hindi, German
- **Field of interest**: Digital design
- **Career orientation** : Formal Verification
- **Project Work Topic** : Design, Implementation of Bank Prediction for Multi Core Architectures
- **Currently Employed** as Formal Verification Student at LUBIS EDA



Raghava Boya

- **Semester:** Fourth Current Member of FSRET
- **Email:** raghava.boya@mailbox.tu-dresden.de
- **Languages:** Telugu, English
- **Field of Interest:** Design - Analog
- **Career Orientation:** Major in Analog Design, Interest in Mixed Signal
- **Project Work Topic :** Analysis and Design of a Dual Drive Amplifier operating up to 16 GHz using Open-Source CAD Tools
- **Interested** in Content Creation @Linkedin, Movie Buff, Travelling
- **Currently employed** at Fraunhofer IIS



Cherukuri Jaswanth

- **Semester:** Fifth
- **Email:** jaswanth.cherukuri@mailbox.tu-dresden.de
- **Languages:** Telugu, English, Hindi, Tamil
- **Field of Interest:** Design - Digital
- **Career Orientation:** CPU Architecture/performance modelling
- **Project Work Topic :** Exploration of alternative FGPA suited solvers for ORB-SLAM3
- **Interested** in Badminton and hiking
- **Currently employed** at Fraunhofer IIS/EAS



Rohul Sibi Murugan

- **Semester:** Fourth
- **Email:** rohul_sibi.murugan@mailbox.tu-dresden.de
- **Languages:** Tamil, Hindi, Kannada, Telugu, German(A2)
- **Field of Interest:** Design - Digital
- **Career Orientation:** Digital Design and Computer Architecture
- **Project Work Topic :** Configurable RiscV based Coprocessor for Near Memory Computing Fast Fourier Transform Algorithm
- **Interested** in Sketching and Art, Hiking, Anime
- **Currently employed** at COSEDA, Quantum Communication Networks Research Group



Vivek Bhadravathi Manjunath

- **Semester:** Third
- **Email:** vivek.bhadravathi_manjunath@mailbox.tu-dresden.de
- **Languages:** Kannada, English, Telugu, Hindi, Tamil
- **Field of Interest:** Design - Analog
- **Career Orientation:** Analog IC and RF Design
- **Interested** in Anime, Movies
- **Currently employed** at Chair of Fundamentals of Electronics



Surya Kiran Setty

- **Semester:** Third
- **Email:** Settysuryakiran@gmail.com
- **Languages:** Telugu, English, Hindi
- **Field of Interest:** Technology
- **Career Orientation:** Material Science



Sathya Arumugam Thirumalai

- **Semester:** Third
- **Email:** sathya.arumugam_thirumalai@mailbox.tu-dresden.de
- **Languages:** Tamil, Hindi and English
- **Field of Interest:** Technology
- **Career Orientation:** 2D Materials, Semiconductors and Device Physics
- **Interested** in Movies and Music
- **Currently employed** at Chair of Materials Science and Nanotechnology; IFW Dresden



Syed Muhammad Shamroze Ali

- **Semester:** Third
- **Email:** syed_muhammad_shamroze.ali@mailbox.tu-dresden.de
- **Languages:** English and Urdu, German A2
- **Field of Interest:** Design
- **Career Orientation:** ASIC Physical Designing, Digital Designing
- **Interested** in Gym, Cycling, Volleyball, Cricket
- **Currently employed** at Last Mile Semiconductor (LMS)



Dua Dua

- **Semester:** Third
- **Email:** dua.dua@mailbox.tu-dresden.de
- **Languages:** Urdu/Hindi, English, German A2
- **Field of Interest:** Design - Digital
- **Career Orientation:** Digital Design and Verification
- **Interested** in Cycling, Hiking, Cooking :)
- **Currently employed** at Infineon Technologies

Thank you !

