June,2019

Student Achievements

IIIT Kalyani believes in close faculty-student interaction to foster intellectual growth among students. Faculty members of IIIT Kalyani often encourage their students to excel their ideas through project and research work. IIIT Kalyani is feeling proud to see the students' accomplishments.

Student Publications

International Conference: 9
National Conference: 0
International/National Journal: 0
Book Chapter: 1

1. T. Ghosal, **A. Shukla**, A. Ekbal and P. Bhattacharyya: To Comprehend the New: On Measuring the Freshness of a Document, 37th International Joint Conference on Neural Networks (IJCNN 2019) at Budapest, Hungary (accepted)

2. **A. Mukhopadhyay**, L. Murthy, M. Arora, A. Chakrobarty, I. Mukherjee, P. Biswas: PCB Inspection in the Context of Smart Manufacturing, Research into Design for a Connected World (ICoRD 2019), 655-663, IISc Bengaluru, India.

3. **A Agarwal**, DV JeevithaShree, KS Saluja, **A Sahay**, P Mounika, A Sahu: Comparing Two Webcam-Based Eye Gaze Trackers for Users with Severe Speech and Motor Impairment, Research into Design for a Connected World (ICoRD 2019), 641-652, IISc Bangaluru, India, 2019. (Book Chapter)

4. **A. Sahay** and P. Biswas: Webcam Based Eye Gaze Tracking Using a Landmark Detector. In Proceedings of the 10th Annual ACM India Compute Conference (Compute '17). ACM, New York, NY, USA, 31-37, 2017. DOI: https://doi.org/10.1145/3140107.3140117 (received Best Paper Award)

5. **Sinha S**, Islam SKH, Obaidat MS. A comparative study and analysis of some pseudorandom number generator algorithms. Security and Privacy 2018;DOI: https://doi.org/10.1002/spy2.46

6. **S. Sinha** and S. Karmakar. Differential Fault Analysis of Rectangle-80. Cryptology ePrint Archive, Report 2018/428. https://eprint.iacr.org/2018/428. 2018.

7. N. Kumar and M. Dubey: DataBros @ Information Retrieval from MicroBlogs During Disasters (IRMiDis), Forum for Information Retrieval Evaluation (FIRE), IISC Bangalore, 2017.

8. T. Saikh, **A. Anand**, A. Ekbal and P. Bhattacharyya: A Novel Approach towards Fake News Detection: Deep Learning Augmented with Textual Entailment Features, International Conference on Natural Language on Information System (NLDB 2019), University of Salford, MediaCityUK Campus, United Kingdom, 2019 (accepted).

9. **S. Das**, D. Nandi Das, B. Neogi: Design Approach for Artificial Human Ankle Movement, IEEE conference on Devices for Integrated Circuit (DevIC 2019), 2019.

10. **S. Das**, D. Nandi Das, B. Neogi: Lower Limb Movement Analysis for Exoskeleton Design, IEEE Kolkata Chapter, IEEE Region 10 Symposium, TENSYMP 2019. (accepted)

Coding Competitions and Hackathons

The faculty members guide students to identify different technical themes and motivate them to propose new ideas. The Institute Innovation Council (IIC) of IIIT Kalyani organizes idea presentation workshop for hackathons. IIIT Kalyani students participates in different coding competitions and Hackathons. The students achieved success in national level also. In Smart India Hackathon 2019, teams from IIIT Kalyani have bagged **first and second prizes**.

1. Winners of Smart India Hackathon 2019

   (i). **Team Mocking Birds team (Complex category): First Prize**
   Members: Jatin Mandav (Team-Leader) 2. Rupak Kalita 3. Ritika Kumari 4. Nitish Kumar Singh 5. Yash Chandra Verma 6. Amit Kumar
   Topic: Keyword based exploration of Library resources

   (ii) **Pro_Digies team (Complicated category): Second Prize**
   Members: Pranit De (Team-Leader) 2. Ankit Tiwari 3. Anshu Shekhar Panda 4. Nikhil Kumar Jha 5. Pratik Gupta 6. Shikha Sinha
   Topic: Online Video Directory for Entrepreneurs

   (iii). **Team 6_Pixels:** Got an offer to implement their idea from the proposer HCL
   Members: Abhishek Shukla (Team-Leader), Dhruva Mishra, Gurpreet Singh Behal, Aman Prasad, Shailja Thakur, Rahul Raj Yadav

Figure 1: Smart India Hackathon 2019 winners from IIIT Kalyani

2. Team kill all_queue comprising of Satyam Kumar, Pukit Mishra, Jyotika Yadav won the "Most Innovative Hardware Hack Award" at "Hack-A-Bit" conducted by BIT Mesra.

3. Team IIIT Kalyani Coders comprising of Anubhav Patel bagged 6th position in overall category in "Hack-A-Bit" conducted by BIT Mesra.

4. Students Shad Aman and Anubhav Patel secured 1st rank out of 13000+ participants in Codechef's October Long challenge.

5. Gurpreet Singh secured golbal rank 29 in Code chef's LunchTime 62 among 1900+ students.

6. Shubham Kumar Singh Rajput secured rank 39 in CodeChef's August LunchTime among ~2000 students.

7. Shad Aman and Anubhav Patel secured 1st rank out of 13000+ participants in CodeChef's October Long challenge

Participation in NPTEL courses

IIIT Kalyani students register in different NPTEL courses to enhance their skill set along with regular academic curriculum. Some of the students have shown excellent performance in NPTEL examinations.
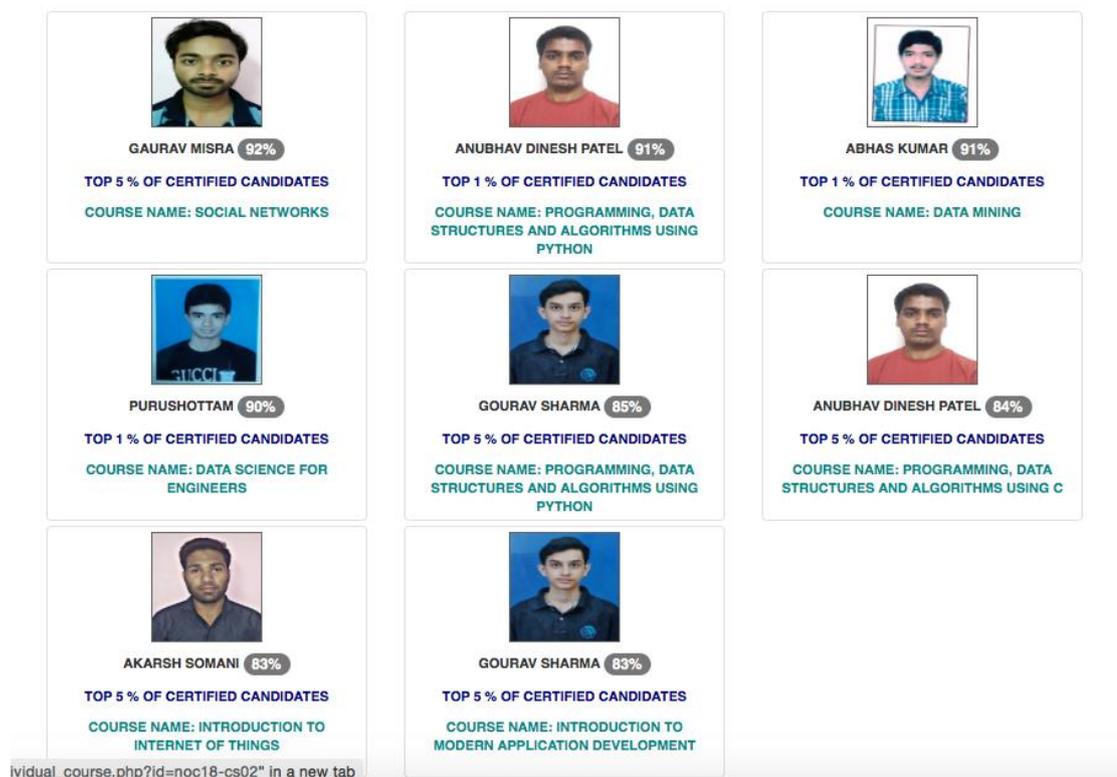
Figure 2: NPTEL achievers

Sports

IIIT Kalyani encourages and nurtures extra-curricular activities of the students. Financial support is provided in organizing different cultural and sport events to the students. IIIT Kalyani Gymkhana is constituted in September 2018 to take care of all sports, cultural and technical events.

The Institute has arranged sports facility for students at nearby Kalyani Stadium. Cricket, Football, Badminton, Table tennis and Swimming facilities are used under trained coach in each event. The Gym facility is also added with a subsidized rate. Bus facility is added for the students to attend the practice. Bus travels and covers all the hostels and guest houses to bring the students to Kalyani stadium from 6 AM to 8:30 AM.

Students have also participated in national level sports events organized by other IITs and IIITs. With the financial support in each such event and faculty members and officers accompany the student group every time to encourage them. List of few events are mentioned below.
1. IIIT Sports Meet 2017
2. Spardha 2018
3. Multiple local cricket matches
4. Started preparing for Spardha 2019 participation

Achievements in sports include
1. Inter-IIIT Sports Meet, Kancheepuram – January 2017
a. Chess Competition: 1st Runner-up
b. Athletics for Women: 2nd Runner-up

Figure 3: Students playing indoor and outdoor games at Kalyani Stadium