

Sayak Mandal

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B-Tech 3rd year student

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Rajiv Gandhi Institute of Petroleum Technology(RGIPT), Jais

ACADEMIC DETAILS:

YEAR	DEGREE	INSTITUTE	PERCENTAGE/C.P.I.
2020-Present	B-Tech in Electronics Engineering	Rajiv Gandhi Institute Of Petroleum Technology, Jais (Uttar Pradesh)	7.35575 C.P.I.(Till semester 4)
2020	Class XII CBSE-AISSCE	Vidya Bharati Chinmaya Vidyalaya, Jamshedpur (Jharkhand)	91.8%
2018	Class X ICSE-CISCE	Little Flower School, Jamshedpur (Jharkhand)	92.6%

CAREER OBJECTIVE:

To pursue graduate studies in Electronics Engineering, leading to career in Electronics. I am highly interested in Electronic devices and circuits and its application in real life.

PROJECTS:

- 1). NEURO STIMULATOR SYSTEM DESIGN USING LOW POWER ANALOG TO DIGITAL CONVERTER USING CADENCE(VIRTUOSO):**This project involves reduction in the energy consumption of an analog to digital converter used in neurostimulator which stimulates the brain of people suffering from various disorders which includes tumours, Parkinson's disease, Obsessive Compulsive Disorder(OCD), Epilepsy and many more. The simulation is carried out by Cadence Virtuoso tool using various technologies.
- 2).INTELLIGENCE MANAGEMENT PROJECT AGAINST CYBER THREAT(ENIGMA CIPHER):** The project is based on a computer that can be used by secret services of a country to code or decode secret messages. Each different sequence will be achieved by using different keys assigned to that particular sequence. To give priority to security, there will be verification of the user name and password verification in the program. The program involves the following parts namely "CODING", "DECODING", "ENCRYPTION" and "DECRYPTION".

ACHIEVEMENTS/AWARDS:

- Qualified Joint Entrance Examination(Main) 2020 in General Category taken by over 10,00,000(10 lakh students).
- Qualified Joint Entrance Examination(Advanced) 2020 in General Category taken by over 1,50,000(1.5 lakh students).
- Obtained Bronze medal in both National Science Olympiad(NSO) and International Mathematics Olympiad (IMO) conducted by SOF(Science Olympiad Foundation) in 2016.
- Obtained Gold Medal in National Scholastic Aptitude Test(NSAT) conducted by NARAYANA institution in 2017.
- Obtained Silver Medal in International Mathematics Olympiad (IMO) conducted by Science Olympiad Foundation in 2018.
- Obtained Silver Medal in IOS(International Olympiad of Science) by Silverzone in 2019 and 2020.

CONFERENCES/WORKSHOP :

- Attended the workshop "DISCOVER YOURSELF- A SEVEN SESSION CERTIFICATE WORKSHOP" conducted by IIT BHU(Varanasi).
- Workshop on "Project Management" by Mr. Ajaj Kazi.
- Attended "NETWORK SECURITY WORKSHOP" and "KEYNOTE SESSION SPACE, MARS AND THE FUTURE BY GABE GABRIELLE" in COSMOS a tech-fest conducted by RGIPT Jais.

ELECTRONICS SKILLS:

Verilog, RTL Design, IC Design, Digital Design, Analog Circuit Design

COMPUTER SKILLS:

Programming Languages: C , C++, JAVA, MATLAB

EXTRA CURRICULAR ACTIVITIES:

- Participated in quizzes conducted by IIT BHU(Varanasi) on the workshop "DISCOVER YOURSELF-A SEVEN SESSION CERTIFICATE WORKSHOP" in the year 2021-22.
- Participated in the quiz "UNQUITTERS TRIVIA" in the fest "COSMOS" conducted by RGIPT Jais in the year 2021-22.
- Participated and won the 2nd prize in Maths quiz in the fest "ODYSSEY" conducted by Little Flower School, Jamshedpur and won 1st prize in Science quiz conducted by Science Club of Little Flower School, Jamshedpur in the year 2017-18.
- Participated in Collage competition conducted by Vidya Bharati Chinmaya Vidyalaya, Jamshedpur and won the 1st prize in the year 2019-20.

POSITION OF RESPONSIBILITY:

- Delivered a speech on Republic Day of India on 26 January 2019 in Vidya Bharati Chinmaya Vidyalaya, Jamshedpur.