

NAAC WRITE-UP

7.3.1. Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Techno India NJR has implemented Project based learning model for education which has transform learning. Projects are leveraged for impactful learning about the academic and industry topics (e.g. cloud, big data, AI/ML), and how such projects are executed (methodology) by industry. As a result, students are delighting professionals at the partnering industry organisations, particularly in new technologies they themselves behind and learn from students.

The students have several academic achievements to their credit besides high performance in University examinations. In contemporary areas like deep learning & computer vision, there are close to 40 students who have completed NVIDIA certification, over 30 who have completed Full Stack Developer course & Oracle certification and over 20 who have undergone IBM's Data Analytics course that provides inputs on big data analytics, social & web analytics as well as data mining & warehousing.

Given below is a summary of some achievements etched in our minds:

Sl. No.	The Event	Our Success
1.	Startup Venue Wricks (2021)	Startup Venture Wricks by Lokesh Puri Goswami and Kunjpreet Arora, ex-students of Techno India NJR, and being incubated at Techno India NJR Incubation Center under mentorship of Dr. Pankaj Porwal has won second prize of Canadian \$ 12500/- and incubation support at Together 2021. Together 2021 is an Entrepreneurship Bootcamp & Venture Capital Competition organized by Schulich Business School (York University) of Canada in partnership with StartUpIndia (Government of India). https://www.youtube.com/watch?v=u_2-3GAyyzl&feature=youtu.be&t=3h52m38s
2.	Capgemini Tech Challenge50 (2017)	Ritvik Joshi & Vansh Soni were the Winner & Runners-up in the IBM Bluemix Category
3.	IntelHacks 2017	Won 2 nd prize in Intel Hackathon in 2017 for the Smart Well Water Monitoring System (USD 5000) for student innovation
4.	Rajasthan Hackathon 3.0 (2017)	Won 1 st Runners-up for AI-AR based Farmer Friends bot winning prize of 10 Lakhs INR
5.	hackGSF 2017 organized by GSF & Amazon	Won the Best Financial Technology app award
6.	Rajasthan Greenathon (2018)	Won 1 st Prize for Rs.15 lakhs only for utilizing marble slurry to manufacture bricks.
7.	Smart India Hackathon 2018	Won 1 st Runners-up in the hardware as well as software category getting prizes of Rs.75000/- & Rs.50000/- only.
8.	National Hackathon	Won 1 st Runners-up for developing a solution based on analyzing crime data to empower women and prevent crimes against women.

The Institute helps students to inherit Entrepreneurial culture .1/3 time on academic studies and 2/3 on industry-linked learning” philosophy of Techno India NJR coupled with i3 Labs has transformed education and outcomes for students and faculty. To enhance incubation, we have applied Projects transforming learning,

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many projects, in conjunction with industry, governments and other universities, continue to provide acute experiential learning for students, some example include:

- Lake Monitoring System (IOT + Cloud + Data Analytics+ publication)
 - Data Cops (Cloud, Data Analytics, AI, Blockchain): winning national competition sponsored by IT Minister 2nd prize beating an IIT team at 3rd. The first prize by VIT
 - Wricks (Smart bricks using plastic waste and marble slur, patent filed, multiple awards won and collaboration with industry being pursued for production)
 - Manufacturing Data Analytics (IOT, AI/ML, video-analytics) in conjunction with ClearPac (a Singaporean company in food containers manufacturing)
 - AR/VR Simulation of IC Chip design/Production in conjunction with CSIRO Lab and Manipal University
 - A new version of voting solution based on Blockchain, to be moved from Ethereum to IBM Blockchain technology, as its founders move base from Australia to UK (at project definition stage)
- Business Intelligence, integration code and reports development for a Healthcare consulting company (at project definition stage)
- Covid-19 Citizen Isolation Management in conjunction with Rajasthan Government (Sensors, Cloud, Data Analytics, AI/ML)
 - Low-cost Ventilators R&D in conjunction with PARC and ClearPack. A mechanical and electronic controlled prototypes are built in just seven days (project underway: mechanical, IOT, Cloud, Data Analytics, AI/ML – a true Industry 4.0 project with Digital Transformation theme)

The latest example of project-based learning with academia industry with Techno NJR Cloud and its large capacity for Big Data and end-to-end project exposure where Techno India NJR developed management suit with Rajasthan Government for COVID-19 isolation patient.

Also, Techno India NJR collaborate with EON Reality, the global leader in Augmented and Virtual Reality based knowledge and skills transfer for industry and education, to provide AR and VR training and certification program for higher education colleges in the northwest region of the country. Through this program, students will learn the skills needed to develop their own AR, VR & XR projects and prototypes for different industry verticals using EON-XR.

Hackathons: Techno India NJR has developed a sharp expertise in planning and managing hackathons. Many local level hackathons have been arranged, its teams returned with medals in external hacks and AICTE awarded management responsibility as a center for SIH-18, SIH-19 and SIH-20

Hackathon/Awards/Conferences

1	Intel Hack 2017	Student Innovation Award	6000 USD
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2	Rajasthan DigiFest 4.0 - 2018	Winner	15 Lakh INR
3	Rajasthan DigiFest 3.0 - 2017	1st Runner Up	10 Lakh INR
4	Smart India Hackathon - H/W 2018	1st Runner Up	75000 INR
5	Smart India Hackathon - S/W 2018	2nd Runner Up	50000 INR
6	TechGig Code Gladitors 2018 - Cloud Computing	1st Runner Up	1 Lakh INR
7	TechGig Code Gladitors 2017 - IBM BlueMix	1st Runner Up	75000 INR
8	Tech Challenge 2017 - Capgemini	Winner & Runner Up	1 Lac INR
9	HackGSF 2017 - FinTech	Winner	20000 INR

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