Institutional Distinctiveness: Implementation of Digital Pedagogy in the form of Flipped Learning



The Institution made a paradigm shift in teaching-learning process by introducing "Flipped Learning" and got recognition for being the pioneer institution in India to initiate full-scale Flipped Learning in Engineering education.

Highlights

- □ India's first fully Flipped Institute as declared by MHRD, AICTE, Govt. of India.
- ☐ State of the art practice of Digital Pedagogy: Special Jury award by FICCI in 2019.
- ☐ Only Engineering Institution in Eastern Region having Digital Studio.



Copyrighted the book Smart Learning/Flipped Learning*

https://www.youtube.com/watch?v=BfWhF-xvozU&t=212s



OUTCOMES

- 1. The Innovation Council of JISCE has ranked 4 star in 2018-19 and 5 star in 2019-20.
- 2. Two Start up Companies entitled 'JINNOAVTION Pvt. Ltd (CIN: U73100WB2018PTC227195) and Nir O Aakash Private Limited [CIN: U72900TR2021PTC013891] has been created; involving teachers and students.
- 3. More than 100 IPRs have been published out of which 4 received granting till date.
- 4. Three project received crowd funding for further development (in 2019-20)
- 5. Unique platform of Idea O Meter for getting Crowd Funding
- 6. The Institute has produced some notable entrepreneurs who has established their own signature in the industrial front namely, Mr. Joydeep Mondal, MD & CEO of AAKAR Innovation, Mr. Kanad Chatterjee 2005, CEO AwsomU (Online Retail Brand), Managing Director Across infinity Inc., Digital Marketing Manager -TCS (alumnus JISCE) and so forth.
- 7. 3D printing facilities is across departments. One interdisciplinary project of Civil Engineering, Electrical Engineering and Computer Science and Engineering developed with 3D printing system received 1st prize in IIT-KGP Technical symposium.
- 8. Sturdy growth in number of students' publications in past three years.

Best Practices



OUTCOMES

- 1. 15 MoUs signed with local Industries
- 2. Live Industrial Projects are part of B.Tech Major Projects
- 3. CII Innovation & Incubation Centre has been Established
- 4. Industry Sponsored Lab Established with Texas Instruments, Tata Technologies.
- 5. AICTE IDEA Lab project submitted with Industrial Collaborations, Tirumala Hills Pvt. Ltd.
- 6. Industry Exposure / Visit and Internship organized b the IIPC over the years:
- 7. Seminar/Webinar conducted with Industry Experts
- 8. Adjunct Faculty has been recruited from Industry
- 9. Faculty publication, Patent with Industry are in practice
- 10. Faculty in board of Industry

Area	2014 - 2015	2015 - 2016	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021
Industry Exposure/visit	3	8	10	13	18	25	31
Internship	89	157	160	178	270	298	315





