

1.2.2. Number of Add on /Certificate programs offered during the last five years

At SIESGST, with an objective to fulfill industry - academia gap and to inculcate professional skills, Add on/ Certificate courses are offered under various initiatives.

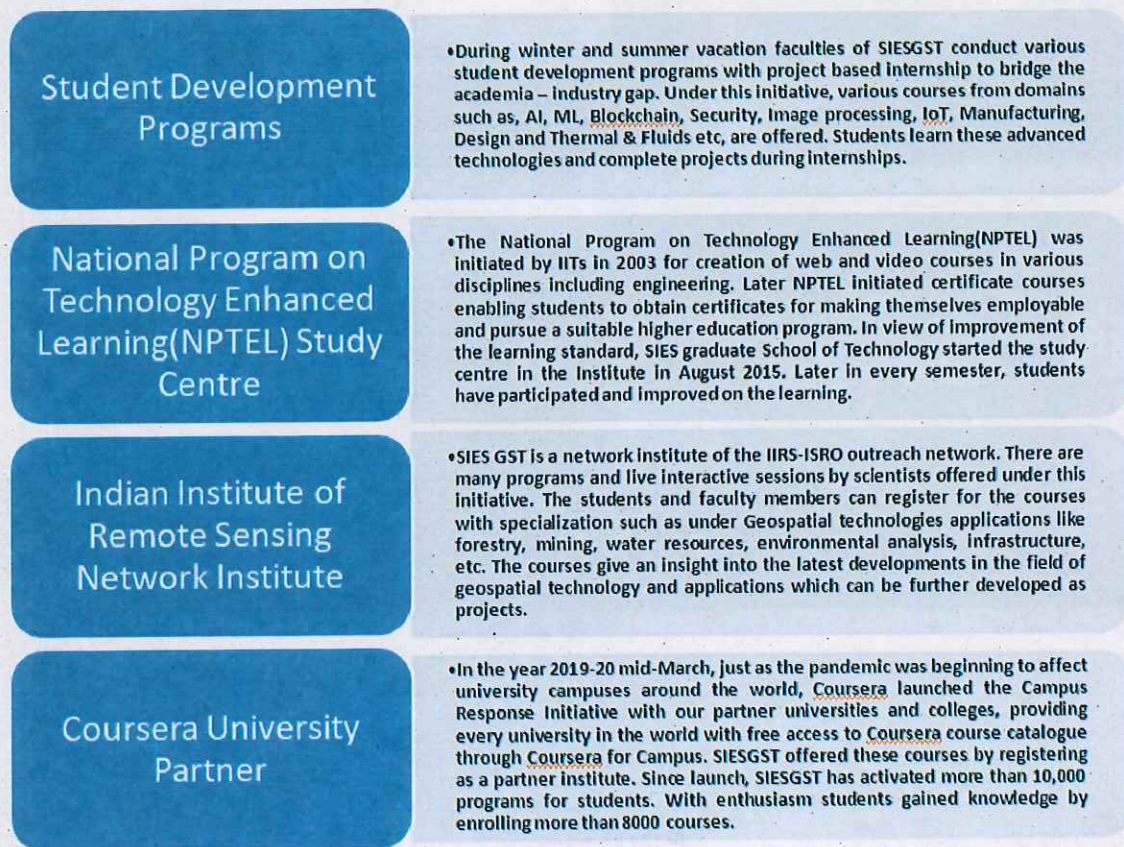


Fig. 1.2.2 Initiatives to Offer Add on/Certificate Programs

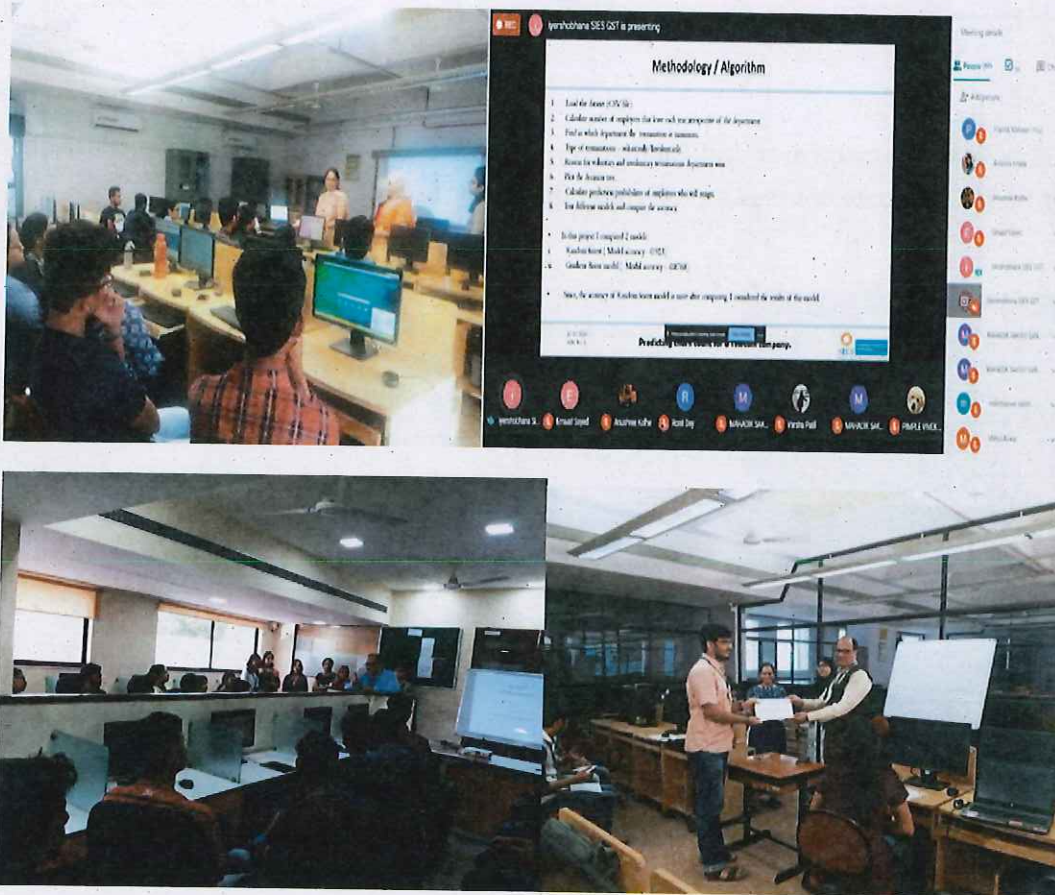
Student Development Programs offered at SIESGST


During winter and summer vacation faculties of SIESGST conduct various student development programs with project based internship to bridge the academia – industry gap. Under this initiative, various courses from domains such as, AI, ML, Blockchain, Security,


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Image processing, IoT, Manufacturing, Design and Thermal & Fluids etc, are offered. Students learn these advanced technologies and complete projects during internships.

Proofs for 1.2.2




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Student Development Program Feedback Testimonials

Special Mentions/achivements/outcomes of SDPs	
2020	Myself Swapnendu Mukherjee from Electronics and Telecommunication Engineering branch currently studying in Second Year . Just before the start of my Second Year classes the Student Development Programme was organised which included various courses . I enrolled in the R programming course which was really of great help . Honestly I was never into so much programming . I just knew the C programming language as it was a part of my semester 2 in the first year . I doubted that the R programming course in the SDP would require prerequisites and it will be hard for me as I had no prior knowledge . But it was not the case , the course started from scratch and the very basics were taught right from the start starting from installation of the R studio . The course went on to doing topics even like regression analysis , Association mining etc . It really helped me as it gave me a push towards learning new programming languages like Python , c++ . The topics were covered so it helped me in domains such as Machine Learning . Right from then I have been participating in various online coding competitions , completed some coursera courses . Also I completed the project given during the course and became a part of the Tech Team in our college for the Techopedia as a volunteer by qualifying their interview based on programming and I am looking forward to learning more in this domain along with my electronics course .
2019	Myself Pritam from Computer Engineering. I passed out in 2019. So Student Development Programmes started in our branch when I was in third year of my engineering. So I had just completed my 5th Semester and got to know about various workshops being conducted under the SDP initiative. I enrolled for the R programming workshop. For almost one month we were thought well the various concepts of Machine Learning and R programming language and then as a course outcome I developed a student grade prediction system in R language. After this I also completed various courses based on R on Datacamp. After a while I received an email from Datacamp team for beta testing of various Jupyter Notebooks that was going to be released on their platform as a part of various courses. I completed the testing successfully. So the skills that I learnt through this workshop helped me in choosing and implementing my final year project well. This also helped me a lot in getting a good placement as having extra skill included in my CV apart from the curriculum was like having a cherry on cake for the recruiter and eventually I could get a good job in the end.
2017	Hello, I am Shiwetha Srinivasan and I attended the workshop on introduction to R programming in the summer of 2017. Throughout the four week program, we students got to learn about fundamentals in R and how to apply them in data science oriented applications. We got an opportunity to work towards development of a mini project that utilised R to develop an automated student attainment level detection system. The workshop helped me gain a rudimentary understanding of how small recommendation or prediction models can be inducted in full fledged websites or applications. Having gained an elementary understanding of statistics and programming using R I was able to deep dive into learning data science related courses and use them as part of my academic and industrial journey. I used R in my final year project, developed data dashboard using the same for a project at TISS, and I am still learning and applying it in my current capacity as a developer and data engineer.

NPTEL Student Chapter at SIESGST

The National Program on Technology Enhanced Learning(NPTEL) was initiated by IITs in 2003 for creation of web and video courses in various disciplines including engineering. Later NPTEL initiated certificate courses enabling students to obtain certificates for making themselves employable and pursue a suitable higher education program. In view of improvement of the learning standard, SIES graduate School of Technology started the study centre in the Institute in August 2015. Later in every semester, students have participated and improved on the learning. The detailed improvement can be observed here:

Sr. No	Duration	Enrolled candidates	Successfully completed
1	Jan-April 2020	448	20
2	July-Dec 2019	494	33
3	Jan-April 2019	494	66
4	July-Dec 2018	1348	67
5	Jan-April 2018	417	13
6	July-Dec 2017	542	51

7	Jan-April 2017	199	69
8	July-Dec 2016	717	59
9	Jan-April 2016	400	49
10	July-Dec 2015	58	6

SIES GRADUATE SCHOOL OF TECHNOLOGY

VIDYAPURAM-SECTOR 5,NERUL NAVI MUMBAI
MUMBAI

Url: <http://www.siesgst.edu.in/> (<http://www.siesgst.edu.in/>)

Coordinated By : IIT MADRAS



SPOC Name - DR PRADIP P PATIL

Designation - ASSOCIATE PROFESSOR, Mechanical Engineering

Partnering since - Aug-2015

College Id - 181 Institute Type - ENGINEERING

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NPTEL is very happy to be associated with **SIES GRADUATE SCHOOL OF TECHNOLOGY** institute and its students. We are thankful to **DR PRADIP P PATIL** for being a pillar of support in NPTEL initiatives.

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper	NPTEL Stars
Jul-Dec 2019 (Jul-Dec-2019.html)	33	1	11	12	3	6	4	Details (stars.html)
Jan-Apr 2019 (Jan-Apr-2019.html)	66	3	20	21	19	3	4	
Jul-Oct 2018 (Jul-Oct-2018.html)	67	2	43	0	17	5	5	
Jan-Apr 2018 (Jan-Apr-2018.html)	13	0	7	0	6	0	0	
Jul-Dec 2017 (Jul-Dec-2017.html)	51	2	29	0	15	5	2	
Jan-June 2017 (Jan-June-2017.html)	69	1	36	0	26	6	7	
Jul-Dec 2016 (Jul-Dec-2016.html)	59	2	43	0	8	6	5	
Jan-June 2016 (Jan-June-2016.html)	49	3	30	0	9	7	9	
Jul-Dec 2015 (Jul-Dec-2015.html)	6	1	3	0	2	0	3	
Jan-June 2014 (Jan-June-2014.html)	2	0	0	0	2	0	0	

Network institute of the IIRS-ISRO

IIRS Outreach Programme focusses on strengthening the Academia and User Segments in Space Technology & Its Applications using Online Learning Platforms. Under this programme the two modes of content delivery system is developed using an online learning platform (i.e) Live & Interactive mode (known as EDUSAT) and e-Learning mode. SIES GST is a network institute of the IIRS-ISRO outreach network. There are many programs and live interactive sessions by scientists offered under this initiative. The students and faculty members can register for the courses with the link: <https://www.iirs.gov.in/Edusat-News/>. Remote Sensing and Geoinformation Science have become key technology tools for the collection, storage, and analysis of spatially referenced data for resource planning and decision making. Today it is the backbone of many decision-making systems and location-based services emerging in the New Information Economy. Geospatial technologies are used for a variety of applications like forestry, mining, water resources, environmental analysis, infrastructure, etc. Hence, the courses will give an insight into the latest developments in the field of geospatial technology and applications which can be further developed as projects.

Coursera Records Academic Year 2019-20

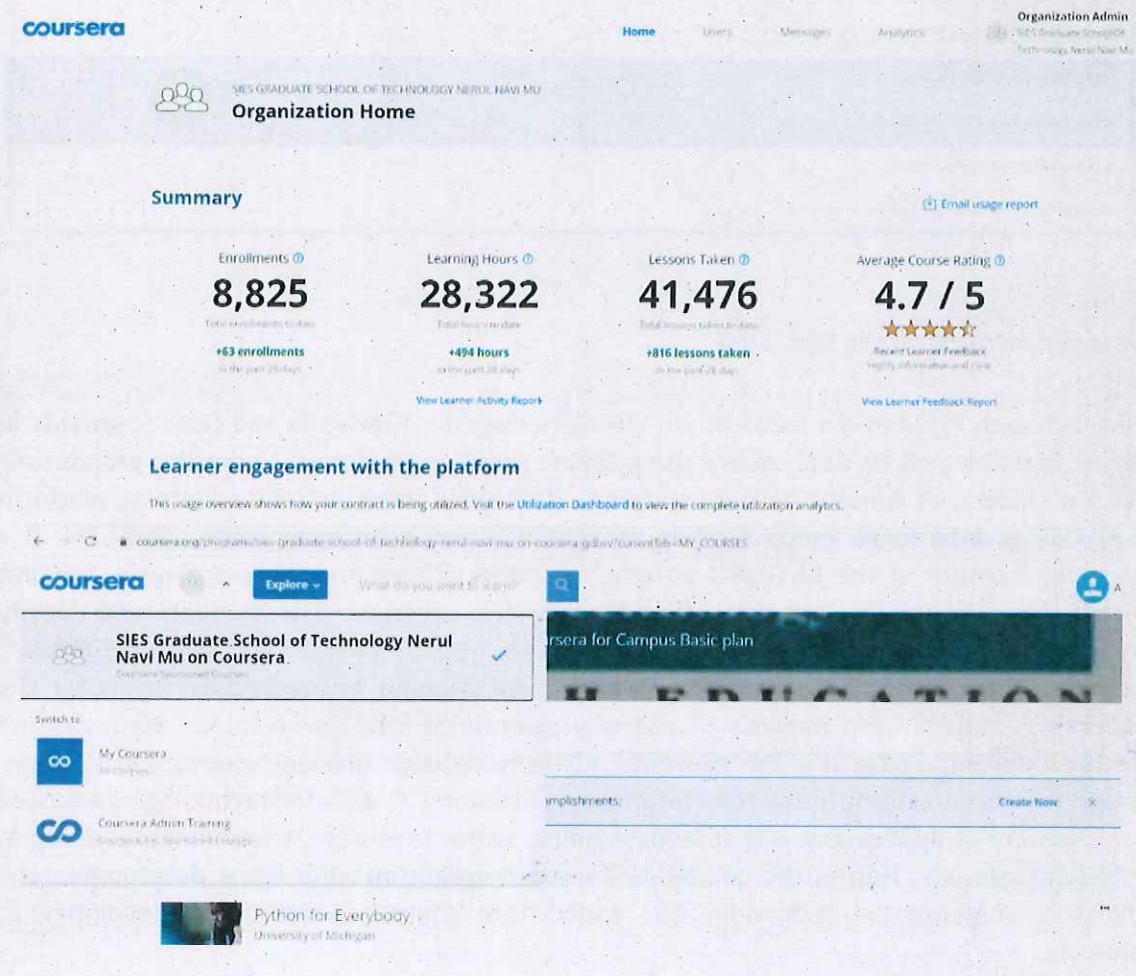
In the year 2019-20 mid-March, just as the pandemic was beginning to affect university campuses around the world, Coursera launched the Campus Response Initiative with our partner universities and colleges, providing every university in the world with free access to


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Coursera course catalogue through Coursera for Campus. SIESGST offered these courses by registering as a partner institute. Since launch, SIESGST has activated more than 10,000 programs for students. With enthusiasm students gained knowledge by enrolling more than 8000 courses.

Coursera Certificate Courses Enrollment/Completion Statistics

Year	Duration	Enrolled candidates	Successfully completed
2019-20	Jan-April 2020	689	453



The screenshot shows the Coursera Organization Admin interface. At the top, there are navigation links for Home, Users, Messages, Analytics, and Organization Admin. The main header identifies the organization as SIES GRADUATE SCHOOL OF TECHNOLOGY NERUL, NAVI MU. Below this is a 'Summary' section with four key metrics:

- Enrollments:** 8,825 (Total enrollments to date, +63 enrollments in the past 28 days)
- Learning Hours:** 28,322 (Total hours to date, +494 hours in the past 28 days)
- Lessons Taken:** 41,476 (Total lessons taken to date, +816 lessons taken in the past 28 days)
- Average Course Rating:** 4.7 / 5 (Recent Learner Feedback, highly informative and clear)

Below the summary is a section for 'Learner engagement with the platform' with a note: 'This usage overview shows how your contract is being utilized. Visit the Utilization Dashboard to view the complete utilization analytics.' The main content area shows a search bar and a list of courses, including 'SIES Graduate School of Technology Nerul Navi Mu on Coursera' and 'Python for Everybody' by the University of Michigan.

[Signature]
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