| Name of the capability enhancement program            | Date of implementation (DD-MM-YYYY) |
|---|-------------------------------------|
| COMMINICATION SKILLS (2019-20)                        |                                     |
| Vocabulary Building & Grammar                         | 14-08-2019 & 22-08-2019             |
| Letter Writing  | 12-09-2019                          |
| Report Writing  | 25-09-2019                          |
| Resume & Cover Letter Writing                         | 11-10-2019                          |
| SOFT SKILLS (2019-20)                                 |                                     |
| Speech  | 05-11-2019                          |
| Group Discussion                                      | 18-10-2019                          |
| Mock Interview  | 11-11-2019 to 15-11-2019            |
| Presentation Skills                                   | 25-11-2019 to 29-11-2019            |
| Mock Meetings   | 21-10-2019 to 25-10-2019            |
| LIFE SKILLS (2019-20)                                 |                                     |
| Yoga Vidya  | 2019-20                             |
| Music Appreciation                                    | 2019-20                             |
| Self Defense  | 2019-20                             |
| Athletics   | 2019-20                             |
| Aerobics & Fitness                                    | 2019-20                             |
| Public Speaking                                       | 2019-20                             |
| Sketching   | 2019-20                             |
| Building Automation, fire safety and electronics      |                                     |
| security  | 2019-20                             |
| Creative Thinking, Diversity and workplace etiquettes | 2019-20                             |
| Technical Paper writing and Patent Drafting           | 27-3-20                             |
| AWARENESS OF TRENDS IN TECHNOLOGY                     |                                     |
| (2019-20)   |                                     |
| Guest Lecture on Career Guidance                      | 27-09-2019                          |
| Cyber Security Talk                                   | 16-10-2019                          |
| Guest Lecture on Laravel Workshop                     | 02-11-2019                          |
| Guest Lecture on Elastic Search and Redis Database    | 02-11-2019                          |
| Guest Lecture on Machine Learning/Data Analytics      | 04-11-2019                          |
| IOT Exhibition for students                           | 06-11-2019                          |
| Guest Lecture on Cloud Computing                      | 11-11-2019                          |
| Guest Lecture on Robotic Process Automation           | 21-01-2020                          |

| Workshop on Chatbot Creation                           | 24-01-2020 |
|--|------------|
| Online guest lecture on Advanced Networking            | 22-05-2020 |
| Online guest lecture on Learning additional skills     |            |
| during this lockdown to give yourself an upperhand for |            |
| job opportunities                                      | 25-05-2020 |
| One day Workshop on VLSI                               | 6-10-2019  |
| Guest Lecture on "State Space Analysis and Advances    |            |
| in control system"                                     | 26-02-2020 |
| Alumni Talk-SPIT to University of Michigan and         |            |
| Research in Solid-State Physics and Medical Imaging    | 13-04-2020 |
| Alumni Talk-Electronics in Automotive Industry         | 14-04-2020 |
| Alumni Talk-Being an IC Design Engineer                | 15-04-2020 |
| Alumni Talk-General Q/A and Real-Time System           |            |
| Security   | 15-04-2020 |
| Alumni Talk-HDL workflows with MATLAB                  | 16-04-2020 |
| Alumni Talk-GRAKN: The knowledge Graph software        |            |
| for Robot Operating System                             | 17-04-2020 |
| Alumni Talk-ASIC verification current trends and       |            |
| methodologies  | 18-04-2020 |
| Alumni Talk-General QnA on MS in US and Internet       |            |
| of Things  | 19-04-2020 |
| Alumni Talk-Working as a verification engineer         | 20-04-2020 |
| Alumni Talk-Experience of working at Intel and ARM     | 21-04-2020 |
| Alumni Talk-Open Source tools for hardware and         |            |
| firmware design  | 22-04-2020 |
| Alumni Talk-Insights into Digital Strategy and Brand   |            |
| Strategy   | 24-04-2020 |
| Alumni Talk-10 key learnings in my journey from        |            |
| Campus to Corporate to Entrepreneurship                | 25-04-2020 |
| Alumni Talk-Experience in Front End verification at    |            |
| PowerVR Graphics Processor Division, Imagination       |            |
| Technologies   | 26-04-2020 |
| Alumni Talk-2 cents on navigating throuh life in the   |            |
| US, Any general EE/VLSI related questions              | 26-04-2020 |
| Alumni Talk-A Day in Life of Physical Design           |            |
| Engineer + MS VLSI Queries                             | 27-04-2020 |
| Alumni Talk-Industry Standard VLSI tool flow           |            |
| methodology (specifically Auto Place and Route)        | 27-04-2020 |

| Alumni Talk-Experience of working on Embedded        |            |
|--|------------|
| Systems at CISCO and building RTOS                   | 28-04-2020 |
| Alumni Talk-Q/A Performance modelling, Compilers,    |            |
| NVIDIA   | 01-05-2020 |
| Alumni Talk-Research at UBC                          | 02-05-2020 |
| Alumni Talk-Implementing User Research, Lean         |            |
| Startup, and Product Management in academic projects | 02-05-2020 |
| Alumni Talk-Introduction to Machine Learning and     |            |
| Basic Terminologies                                  | 03-05-2020 |
| Alumni Talk-Flexible Stretchable Electronics         | 03-05-2020 |
| Alumni Talk-Insights into Voice enabled embedded     |            |
| systems to Search Engines                            | 08-05-2020 |
| Alumni Talk-Changing energy landscape (Renewables    |            |
| & beyond) + General chat on personal development     | 08-05-2020 |
| Alumni Talk-DFT and Scan Insertion                   | 09-05-2020 |
| Alumni Talk-Overview on Mixed Signal Design          |            |
| Trends and Aspects of Verification                   | 09-05-2020 |
| Alumni Talk-From Electronics to Neuroscience         | 10-05-2020 |
| Alumni Talk-VLSI design job opportunities available  |            |
| in India. (About chip designing)                     | 10-05-2020 |
| Guest Lecture on "Career Options and Opportunities"  | 07-06-2020 |
| Guest Lecture on "Medical Device Design"             | 21-06-2020 |

### Notice

# DEPARTMENT/ COMMITTEE NAME: MCA / ACE COMMITTEE

## IQAC ACTIVITY No:

| DATE             | STUDENTS/TEACHER | DEPARTMENT/COMMITTEE | COORDINATOR<br>NAME   |
|------------------|------------------|----------------------|-----------------------|
| 27/9/19          | STUDENTS         | MCA / ACE COMMITTEE  | DR. POOJA<br>RAUNDALE |
| TIME             | VENUE            |                      |                       |
| 12:15 to 1:15 pm | Room no 701      | 1                    |                       |

#### BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. -

TOPIC/SUBJECT OF
THE ACTIVITY
OBJECTIVES
Guide students more about their career and more about the IT industry.
METHODOLOGY
A lecture was given by the lecturer explaining various aspects of a career.
OUTCOMES
Students get to know more about how they can be successful in their career

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| d:        | 77.440                         |                    |
|-----------|--------------------------------|--------------------|
| NAME OF   | NAME OF HEAD/                  | IQAC COORDINATOR   |
| TEACHER & | COMMITTEE INCHARGE & SIGNATURE | (SEAL & SIGNATURE) |
| SIGNATURE |                                |                    |
| James     |                                | Jourdale,          |
|           |                                |                    |



| NAME OF THE ACTIVIT | TY: CYBER SECURITY TALK |                     | 1                   |
|---------------------|-------------------------|---------------------|---------------------|
| DATE                | STUDENTS/TEACHE<br>R    | DEPARTMENT/COMMITTE | COORDINATOR<br>NAME |
| 16/10/2019          | STUDENTS                | MCA / ACE COMMITTEE |                     |
| TIME                | VENUE                   |                     | 1                   |
| 4 PM TO 6 PM        | ROOM NO.008             |                     |                     |



| DATE             | STUDENTS/TEACHER | DEPARTMENT/COMMITTEE | COORDINATOR<br>NAME |
|------------------|------------------|----------------------|---------------------|
| 2/11/19          | Students         | MCA / ACE Committee  | Prof. Rupesh Bhoir  |
| TIME             | VENUE            |                      |                     |
| 11.15 am to 1 pm | Room No.403      |                      |                     |



| DATE                | STUDENTS/TEACHER | ic search and Redis Databases DEPARTMENT/COMMITTEE | COORDINATOR<br>NAME |
|---------------------|------------------|--|---------------------|
| 2/11/2019           | Students         | MCA / ACE Committee                                | Prof. Harshii       |
| TIME                | VENUE            | 2            | Kanakia             |
| 9:30 am to 11:30 am | Room No. 403     | ī  |                     |
| SUPPORT/ASSISTANCE: | -                | •  |                     |



| NAME OF THE ACT | VITY: GUEST LECTURE ON M | ACHINE LEARNING / Data    | metytics.                 |
|-----------------|--------------------------|---------------------------|---------------------------|
| DATE            | STUDENTS/TEACHE<br>R     | DEPARTMENT/COMMITTE<br>E  | COORDINATOR<br>NAME       |
| 4/11/19         | STUDENTS                 | MCA / ACE COMMITTEE       | PROF.Pallavi Thakur       |
| TIME            | VENUE                    | NUMBER OF<br>PARTICIPANTS | NATURE:<br>Outdoor/Indoor |
| 9 am - 10 am    | ROOM NO. 701             | 55                        | INDOOR                    |



| DATE               | STUDENTS/TEACHER         | DEPARTMENT/COMMITTEE | COORDINATOR<br>NAME |
|--------------------|--------------------------|----------------------|---------------------|
| 6 11 19            | Students and<br>Teachers | MCA/ ACE committee   | Prof. Aarti Karande |
| TIME               | VENUE                    |                      |                     |
| 1.30 pm to 2.15 pm | Room No. 403             |                      |                     |

| Guest Lecture on Cloud Computing | 11-11-2019 |
|----------------------------------|------------|
| Guest Lecture on Cloud Computing |            |

| Guest Lecture on Robotic Process Automation | 21-01-2020 |
|---|------------|
| Guest Lecture on Robotic Process Automation |            |



| DATE                 |              | DEPARTMENT/COMMITTEE | COORDINATOR           |
|----------------------|--------------|----------------------|-----------------------|
| 21/1/2020            | STUDENTS     | MCA / ACE COMMITTEE  | DR. POOJA<br>RAUNDALE |
| TIME                 | VENUE        |                      |                       |
| 11.15 AM TO 12.15 PM | ROOM NO. 401 |                      |                       |



| NAME OF THE ACTIVITY! | WORKSHOP ON CHAT | BOTS CREATION.           |                       |
|-----------------------|------------------|--------------------------|-----------------------|
| DATE                  | STUDENTS/TEACHE  | DEPARTMENT/COMMITTE<br>E | COORDINATOR<br>NAME   |
| 24/1/2020             | STUDENTS         | MCA / ACE COMMITTEE      | DR. POOJA<br>RAUNDALE |
| TIME                  | VENUE            |                          | •                     |
| 4.00 PM TO 6.00 PM    | ROOM NO. 401     |                          |                       |



| DATE       | STUDENTS/TEACHER   | DEPARTMENT/COMMITTEE | COORDINATOR<br>NAME         |
|------------|--------------------|----------------------|-----------------------------|
| 22/05/2020 | Students           | MCA / ACE committee  | Prof. Nikhita<br>Mangaonkar |
| TIME       | VENUE              |                      |                             |
|            | Online Google meet | 1                    |                             |



| DATE              | TY: Learning additional ski |                     | COORDINATOR<br>NAME        |
|-------------------|-----------------------------|---------------------|----------------------------|
| 25/5/2020<br>TIME | Students<br>VENUE           | MCA / ACE Committee | Prof. <u>Aarti Karande</u> |
| 5pm to 6 pm       | Online on google meet       |                     |                            |

MASTER OF COMPUTER APPLICATIONS

SARDAR PATEL INSTITUTE OF TECHNOLOGY



Tel: 91-22-2670 8520 2670 7440

2628 7250 Fax: 91-22-2670 1422

( Founded in 1938 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi) आ नो भद्रा : क्रूतवो चन्तु विश्र्वत :। Let noble thoughts come to us from every side

### SARDAR PATEL INSTITUTE OF TECHNOLOGY

(An Autonomous Institute Affiliated to University of Mumbai)

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai - 400 058, India E mail: principal@spit.ac.in Website: www.spit.ac.in

#### Notice

One day workshop on VLSI arranged as per the details given below. All the students are hereby informed to attend the same.

| Awareness about recent trends in VLSI | One day Workshop on<br>VLSI | Dr. Ashwini Gajrushi<br>Research Scholar,<br>IITB, Mumbai | Prov. P.V. Kasambe | (6th October 2019) |
|---------------------------------------|-----------------------------|---|--------------------|--------------------|
|                                       |                             |   | 1                  |                    |

Dr. Surendra Singh Rathod
Ph.D. (VI.SI Design, 1.1.T. Roorkee)
Professor Electronics Engg. Dept.
Sardar Patel Institute of Technology
Munshi Nagar, Andheri (West).
Mumbar-400058
Phone: +91-22-26287250 Ext: 354;
Mobile: 9920228275



| One day Workshop on VLSI  | 6-10-2019  |
|---|------------|
| Guest Lecture on "State Space Analysis and Advances in control system"  | 26-02-2020 |
| Alumni Talk-SPIT to University of Michigan and Research in Solid-State Physics and Medical Imaging                | 13-04-2020 |
| Alumni Talk-Electronics in Automotive Industry  | 14-04-2020 |
| Alumni Talk-Being an IC Design Engineer   | 15-04-2020 |
| Alumni Talk-General Q/A and Real-Time System Security   | 15-04-2020 |
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| Alumni Talk-Experience in Front End verification at PowerVR Graphics Processor Division, Imagination Technologies | 26-04-2020 |
| Alumni Talk-2 cents on navigating throuh life in the US, Any general EE/VLSI related questions                    | 26-04-2020 |
| Alumni Talk-A Day in Life of Physical Design Engineer + MS VLSI Queries   | 27-04-2020 |
| Alumni Talk-Industry Standard VLSI tool flow methodology (specifically Auto Place and Route)                      | 27-04-2020 |
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| Alumni Talk-Q/A Performance modelling, Compilers, NVIDIA  | 01-05-2020 |
| Alumni Talk-Research at UBC   | 02-05-2020 |
| Alumni Talk-Implementing User Research, Lean Startup, and Product<br>Management in academic projects              | 02-05-2020 |

| Alumni Talk-Introduction to Machine Learning and Basic Terminologies                                  | 03-05-2020 |
|---|------------|
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#### Notice

Multiple alumni talks have been arranged to boost learning of industrial knowledge. All students are requested to attend. Schedule of alumni talks have been mentioned.

| Sr.<br>No. | Gap  | Topic  | Speaker  | Faculty Co-ordinator | Date                        |
|------------|--|--|--|----------------------|-----------------------------|
| 1          | Awareness about 9<br>recent bends in<br>VLSI                                   | One day Workshop on<br>eVEST   | Dr. Ashwini Gujrushi<br>Research Scholar,<br>HTB, Marabai  | Prov. P.V. Kasambe   | 66 October 2019             |
| 2          | Knowledge of state<br>space analysis and<br>recent trends in<br>control system | "State Space Analysis<br>and Advances in "<br>"Xoottol system"   | Prof. D. S. Sawant<br>Assistant Professor,<br>EXTC department,<br>MI-STME, Mumbui                                  | Prof. Najib Ghatte   | 26th February 2000          |
| 3          | Alumni talk  | SPIT to University of<br>Michiganand<br>incides such to Solid-<br>State Physics and<br>Medical Imaging | Ms. Aumansha Sengapta<br>Ph.D candidate at<br>University of Michigan   | Dr. S. S. Rathod     | 43. April 2020              |
| 4          | Alamai talk  | Electronics in<br>Automotive Industry.   | Ms. Natasha Choudhary<br>L&T Technology<br>Services<br>Infotainment Testing<br>(Automotive OEM)<br>Munich, Germany | Dr. S. S. Rathed     | ta hapril 2020              |
| 5          | Alemsi talk  | Being an IC Design   | Mr. Heril Laogalia<br>Senior IC Design<br>Engineer at Analog<br>Devices  | Dr. S. S. Rathod     | 15 <sup>th</sup> April 2020 |



| 6  | Alumni talk | General Q/A and<br>Real-Time System<br>Security   | Mr. Tonmaya Mishra<br>Ph.D. candidate at<br>Virginia Tech  | Dr. S. S. Rainou | THE PROPERTY OF THE PROPERTY O |
|----|-------------|---|--|------------------|--|
| 7  | Alumni talk | HDL workflows with  | Mr. Pawan Fakatkar<br>Education Technical<br>Evangelist, MathWorks   | Dr. S. S. Rathod | 16 April 2020  |
| 8  | Alumni talk | GRAKN: The<br>knowledge Graph<br>software for Robot<br>Operating System                               | Mr. Shreyas Palande<br>M.S. Student at<br>Technische University<br>Delft, Netherlands and<br>Mr. Niket Shah<br>M.S. Student at<br>University of Maryland | Dr. S. S. Rathod | 47 <sup>th</sup> April 2020 - 5  |
| 9  | Alumni talk | ASIC verification current trends and methodologies  | Mr. Nandish Avlani<br>Senior Design Engineer<br>at AMD   | Dr. S. S. Rathod | 18 <sup>th</sup> April 2020  |
| 10 | Alumni talk | General QnA on MS<br>in US and Internet of<br>Things  | Ms. Aditi Tripathi<br>PhD student at<br>University of Florida  | Dr. S. S. Rathod | -19* April 2020  |
| 11 | Alumni talk | Working as a werification engineer  | Ms. Jaskirat Knur<br>SOC Verification<br>Engineer, Apple   | Dr. S. S. Rathod | 20* April 2020   |
| 12 | Alumni talk | disperience of working at Intel and   | Mr. Omkar Mansata<br>Senior Design Engineer<br>at ARM, Austin  | Dr. S. S. Rathod | 21" April 2020   |
| 13 | Alumni talk | Open-Source tools for hardware and dismware designs   | Dr. Ronak Gandhi<br>JMA Wireless, Sr.<br>Electrical Engineer,<br>Ph.D in Electrical and<br>Computer Science from<br>Syracuse University                  | Dr. S. S. Rathod | -22 April 2020   |
| 14 | Alumni talk | Pursuing non-<br>dechnical education in<br>the US and associated<br>careers                           | Mr. Jugal Gala<br>M.S. in Management<br>Science & Engineering,<br>Stanford   | Dr. S. S. Rathod | 23 <sup>11</sup> April 2020  |
| 15 | Alumni talk | Insights into Digital<br>Strategy and Brand<br>Strategy   | Ms. Samiksha Gupta<br>Ex- Digital Strategy<br>consultant with Deloitte<br>and currently working as<br>Brand Strategist at Leo<br>Burnets.                | Dr. S. S. Rathod | (24° April 2020  |
| 16 | Alumni talk | 10 key learnings in<br>my journey from<br>Campus to Corporate<br>to Entrepreneurship                  | Mr. Roban Daftary Core Member & Co- Founder, Fintso; MBA - IIM Trichy. Ex Avendus, Kotnk   | Dr. S. S. Rathod | 1/25 April 2020  |
| 17 | Alumni talk | Experience in Pront End verification at PowerVR Graphics Processor Division, Imagination Lechnologies | Mr. Jugal Mistry<br>Senior Hardware<br>Engineer, Imagination<br>Technologies, Pune   | Dr. S. S. Rathod | 26 <sup>th</sup> April 2020  |
| 18 | Alumni talk | 2 cents on navigating<br>throub life in the US;<br>Any general EE/VLSI<br>related questions           | Mr. Karan Shah<br>MS in Electrical<br>Engineering from USC,<br>Memory Systems design<br>engineer at Western<br>Digital                                   | Dr. S. S. Rathed | 26 April 2020  |
|    | i sa ki si  |   | Ms. Gauri Dalvi<br>MS in Electrical<br>Engineering from USC,<br>Physical Design engineer   | Se and gilline   |  |
| 19 | Alumni talk | A:Day in Life of<br>Physical Design<br>Engineers MS:VLSI<br>Queries                                   | at NVIDIA Corporation<br>Mr. Nimish Agashiwala<br>Graphics Hardware<br>Engineer, Intei<br>Corporation, Folsom, CA  | Dr. S. S. Rathod | 27 April 2020  |

