**Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA)**
Institute Name: N. B. Navale Sinhgad College of Engineering [ARI-C-15716]

**Awareness / Training / Programmes organized by the Institute**
Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

| Financial Year | Program Type | Name of Program | Program Theme | Program Duration | Program Conducted | Participants Details | | | Expenditure Incurred | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Number of Internal Participants | Number of External Participants | Total Number of Participants | Institute Own / Internal Fund (in Rs.) | Sponsorship / External Fund | Total Expenditure Incurred |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-Embedded C course | Innovation | 30-Jul-2015 to 04-Sep-2015 (37 Days) | Within Campus | 61 | 0 | 61 | 0.00 | 12200.00 | 12200.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-PLC Automation Basics | Innovation | 21-Dec-2015 to 29-Dec-2015 (9 Days) | Within Campus | 30 | 0 | 30 | 0.00 | 30000.00 | 30000.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-PCB Designing and Manufacturing | Innovation | 27-Dec-2015 to 31-Dec-2015 (5 Days) | Within Campus | 49 | 0 | 49 | 0.00 | 24500.00 | 24500.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-ANSYS Course | Innovation | 28-Dec-2015 to 02-Jan-2016 (6 Days) | Within Campus | 31 | 0 | 31 | 0.00 | 13600.00 | 13600.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-STADPRO | Innovation | 28-Dec-2015 to 04-Jan-2016 (8 Days) | Within Campus | 28 | 0 | 28 | 0.00 | 8400.00 | 8400.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-ANSYS Course | Innovation | 28-Dec-2015 to 04-Jan-2016 (8 Days) | Within Campus | 28 | 0 | 28 | 0.00 | 8400.00 | 8400.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | Embedded Linux Development on ARM 9 ELDRM 2016 | Innovation | 01-Jan-2016 to 05-Jan-2016 (5 Days) | Within Campus | 24 | 2 | 26 | 17000.00 | 44500.00 | 61500.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | Application of FEM in Engineering | Innovation | 04-Jan-2016 to 08-Jan-2016 (5 Days) | Within Campus | 13 | 57 | 70 | 0.00 | 65038.00 | 65038.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | Arduino | Innovation | 30-Jan-2016 to 31-Jan-2016 (2 Days) | Within Campus | 45 | 0 | 45 | 0.00 | 45000.00 | 45000.00 |

**Awareness / Training / Programmes organized by the Institute**

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

| 2015-16 | Workshops / Training / Seminars / Conferences | Soft Computing | Innovation | 01-Feb-2016 to 05-Feb-2016 (5 Days) | Within Campus | 47 | 26 | 73 | 971.00 | 84900.00 | 85871.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2015-16 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Dista 2K16 | Innovation | 13-Feb-2016 to 13-Feb-2016 (1 Days) | Within Campus | 400 | 600 | 1000 | 36824.00 | 145641.00 | 182465.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | Communication Protocol and ARM 7 | Innovation | 16-Mar-2016 to 16-Mar-2016 (1 Days) | Within Campus | 57 | 0 | 57 | 2150.00 | 2850.00 | 5000.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-Web and Image based Application | Innovation | 16-May-2016 to 30-May-2016 (15 Days) | Within Campus | 19 | 0 | 19 | 0.00 | 36000.00 | 36000.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-Android App Development with server side programming | Innovation | 06-Jun-2016 to 10-Jun-2016 (5 Days) | Within Campus | 58 | 0 | 58 | 0.00 | 20000.00 | 20000.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-PCB Design | Innovation | 06-Jun-2016 to 17-Jun-2016 (12 Days) | Within Campus | 72 | 0 | 72 | 0.00 | 7200.00 | 7200.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | Recents Trends of Power Electronics in Power Systems | Innovation | 13-Jun-2016 to 17-Jun-2016 (5 Days) | Within Campus | 43 | 0 | 43 | 0.00 | 63687.00 | 63687.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-Python Scripting | Innovation | 20-Jun-2016 to 24-Jun-2016 (5 Days) | Within Campus | 43 | 0 | 43 | 0.00 | 8600.00 | 8600.00 |
| 2015-16 | Workshops / Training / Seminars / Conferences | VAP-PLC and SCADA | Innovation | 01-Jul-2016 to 03-Jul-2016 (3 Days) | Within Campus | 26 | 0 | 26 | 0.00 | 20800.00 | 20800.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | Java Spring Framework | Innovation | 24-Jun-2016 to 29-Jun-2016 (6 Days) | Within Campus | 14 | 0 | 14 | 0.00 | 1885.00 | 1885.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP-ETABS Software | Innovation | 27-Jun-2016 to 02-Jul-2016 (6 Days) | Within Campus | 22 | 0 | 22 | 0.00 | 55000.00 | 55000.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | Newton Software | Innovation | 22-Jul-2016 to 23-Jul-2016 (2 Days) | Within Campus | 89 | 0 | 89 | 0.00 | 9950.00 | 9950.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | Solar Technolgy | Innovation | 26-Aug-2016 to 27-Aug-2016 (2 Days) | Within Campus | 91 | 0 | 91 | 0.00 | 91000.00 | 91000.00 |

**Awareness / Training / Programmes organized by the Institute**

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

| 2016-17 | Workshops / Training / Seminars / Conferences | Concrete Mix Design | Innovation | 03-Sep-2016 to 03-Sep-2016 (1 Days) | Within Campus | 30 | 0 | 30 | 0.00 | 7200.00 | 7200.00 |
|---------|-----------------------------------------------|---------------------|------------|-------------------------------------|---------------|-----|------|------|---------|-----------|-----------|
| 2016-17 | Workshops / Training / Seminars / Conferences | Costing and Valuation | Innovation | 17-Oct-2016 to 21-Oct-2016 (5 Days) | Within Campus | 106 | 0 | 106 | 0.00 | 24000.00 | 24000.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP-Advanced C concepts using GCC compiler collection in Linux | Innovation | 16-Dec-2016 to 25-Dec-2016 (10 Days) | Within Campus | 29 | 0 | 29 | 0.00 | 5800.00 | 5800.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | PBL using ARM processor | Innovation | 26-Dec-2016 to 30-Dec-2016 (5 Days) | Within Campus | 20 | 0 | 20 | 0.00 | 30775.00 | 30775.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | Optimization Techniques in Mechanical Engineering | Innovation | 26-Dec-2016 to 30-Dec-2016 (5 Days) | Within Campus | 65 | 0 | 65 | 7000.00 | 64935.00 | 71935.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP-Microsoft Cyber Security Certification Training | Innovation | 29-Jan-2017 to 31-Jan-2017 (3 Days) | Within Campus | 22 | 0 | 22 | 0.00 | 67254.00 | 67254.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Dista 2K17 | Innovation | 17-Feb-2017 to 17-Feb-2017 (1 Days) | Within Campus | 700 | 1015 | 1715 | 0.00 | 172150.00 | 172150.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | Robotics Under IRTDC 2017 | Innovation | 19-Feb-2017 to 19-Feb-2017 (1 Days) | Within Campus | 607 | 0 | 607 | 0.00 | 60700.00 | 60700.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | Communication, Computation and Cyber Security | Innovation | 09-Mar-2017 to 10-Mar-2017 (2 Days) | Within Campus | 91 | 20 | 111 | 0.00 | 25000.00 | 25000.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Prayog 2K17 | Innovation | 13-Apr-2017 to 13-Apr-2017 (1 Days) | Within Campus | 1000 | 0 | 1000 | 0.00 | 15860.00 | 15860.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP-CATIA V5 | Innovation | 12-Jun-2017 to 01-Jul-2017 (20 Days) | Within Campus | 39 | 0 | 39 | 0.00 | 3900.00 | 3900.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP- Basics of C Programming | Innovation | 12-Jun-2017 to 23-Jun-2017 (12 Days) | Within Campus | 23 | 0 | 23 | 0.00 | 4600.00 | 4600.00 |
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP- Web Technologies HTML, CSS, PHP, MySQL | Innovation | 22-Jun-2017 to 26-Jun-2017 (5 Days) | Within Campus | 18 | 0 | 18 | 0.00 | 13000.00 | 13000.00 |

**Awareness / Training / Programmes organized by the Institute**

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

| 2016-17 | Workshops / Training / Seminars / Conferences | Four days workshop on PLC and Introduction t SCADA | Innovation | 27-Jun-2017 to 30-Jun-2017 (4 Days) | Within Campus | 23 | 0 | 23 | 0.00 | 9200.00 | 9200.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2016-17 | Workshops / Training / Seminars / Conferences | VAP-Fundamentals of C Programming and Web design | Innovation | 27-Jun-2017 to 01-Jul-2017 (5 Days) | Within Campus | 41 | 0 | 41 | 0.00 | 4100.00 | 4100.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Advanced non ferrous welding practice | Innovation | 28-Jul-2017 to 29-Jul-2017 (2 Days) | Within Campus | 169 | 0 | 169 | 0.00 | 36520.00 | 36520.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | MITCON-Suryamitra Skill Development Programme | Entrepreneurship/Startup | 15-Nov-2017 to 15-Feb-2018 (93 Days) | Within Campus | 30 | 0 | 30 | 0.00 | 52500.00 | 52500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Student Centered Teaching Learning Practices | Innovation | 26-Nov-2017 to 27-Nov-2017 (2 Days) | Within Campus | 125 | 0 | 125 | 0.00 | 16825.00 | 16825.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Application of Matlab and Simulink | Innovation | 18-Dec-2017 to 22-Dec-2017 (5 Days) | Within Campus | 62 | 0 | 62 | 0.00 | 93000.00 | 93000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-SolidWorks | Innovation | 19-Dec-2017 to 06-Jan-2018 (19 Days) | Within Campus | 113 | 0 | 113 | 0.00 | 22600.00 | 22600.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP- Training on Primavera software | Innovation | 24-Dec-2017 to 28-Dec-2017 (5 Days) | Within Campus | 28 | 0 | 28 | 0.00 | 70000.00 | 70000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | MITCON and DIC CNC Training Programme | Entrepreneurship/Startup | 28-Dec-2017 to 25-Jan-2018 (29 Days) | Within Campus | 30 | 0 | 30 | 0.00 | 52500.00 | 52500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-Skill and Career Development Training Programme | Innovation | 20-Jan-2018 to 08-Apr-2018 (79 Days) | Within Campus | 19 | 0 | 19 | 0.00 | 39900.00 | 39900.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Antenna Design, Fabrication and link development | Innovation | 17-Feb-2018 to 17-Feb-2018 (1 Days) | Within Campus | 41 | 0 | 41 | 0.00 | 12300.00 | 12300.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP- Training on ERP HIT software | Innovation | 17-Feb-2018 to 25-Feb-2018 (9 Days) | Within Campus | 17 | 0 | 17 | 0.00 | 34000.00 | 34000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | One day workshop on software automation using PDA | Innovation | 24-Feb-2018 to 24-Feb-2018 (1 Days) | Within Campus | 26 | 0 | 26 | 0.00 | 7800.00 | 7800.00 |

## Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

| 2017-18 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Dista 2K18 | Innovation | 01-Mar-2018 to 01-Mar-2018 (1 Days) | Within Campus | 900 | 1100 | 2000 | 47480.00 | 201350.00 | 248830.00 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP- Training on ERP HIT software | Innovation | 10-Mar-2018 to 18-Mar-2018 (9 Days) | Within Campus | 22 | 0 | 22 | 0.00 | 44000.00 | 44000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-Training on STAAD Pro software | Innovation | 28-Mar-2018 to 31-Mar-2018 (4 Days) | Within Campus | 13 | 0 | 13 | 0.00 | 26000.00 | 26000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP- Training on ETABS software | Innovation | 01-Apr-2018 to 04-Apr-2018 (4 Days) | Within Campus | 13 | 0 | 13 | 0.00 | 26000.00 | 26000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-Introductory Programming in Python | Innovation | 02-Apr-2018 to 03-Apr-2018 (2 Days) | Within Campus | 15 | 0 | 15 | 0.00 | 7500.00 | 7500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-CATIA | Innovation | 01-Jun-2018 to 15-Jun-2018 (15 Days) | Within Campus | 26 | 0 | 26 | 0.00 | 26000.00 | 26000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-Python Scripting | Innovation | 11-Jun-2018 to 15-Jun-2018 (5 Days) | Within Campus | 12 | 0 | 12 | 0.00 | 1200.00 | 1200.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-PCB Design | Innovation | 18-Jun-2018 to 22-Jun-2018 (5 Days) | Within Campus | 25 | 0 | 25 | 0.00 | 2500.00 | 2500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP- HTML, CSS and PHP | Innovation | 25-Jun-2018 to 01-Jul-2018 (7 Days) | Within Campus | 24 | 0 | 24 | 0.00 | 60000.00 | 60000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-Fundamentals of C and Web Design | Innovation | 25-Jun-2018 to 29-Jun-2018 (5 Days) | Within Campus | 0 | 13 | 13 | 0.00 | 1300.00 | 1300.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | VAP-Placement C | Innovation | 25-Jun-2018 to 29-Jun-2018 (5 Days) | Within Campus | 22 | 0 | 22 | 0.00 | 2200.00 | 2200.00 |

## Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

| Financial Year | Program Type | Program Theme | Name of Event | Organizing Agency / Institute Name | Level of Event | Type of Participants | Nos of Participants | Achievements (Awards/Recognitions/Prize, If any) | Expenditure Incurred | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | | Institute Own / Internal Fund (in Rs.) | Sponsorship / External Fund | Total Expenditure Incurred |

**Institute's Participation in Events / Programmes organized by the External Agencies**

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2015-16 | Workshops / Training / Seminars / Conferences | IPR | International Conference on Electrical, Electronics and Optimization Techniques | DMT CoE Chennai | International | Faculty | 1 | Nil | 1500.00 | 0.00 | 1500.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Solar Car | SKN Pandharpur | International | Student | 25 | Prize Money 15000 | 0.00 | 0.00 | 0.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2017 The Elite | Department of Atomic Energy | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2017 Code chef | Ministry of Skill Development and Entrepreneurship | National | Student | 6 | Qualified for the final round | 0.00 | 0.00 | 0.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2017 Rainbow | Department of Rural Development | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2017 Shakti | Indian Council of Medical Research | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2017 Counting Pi | Student wise | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Innovation | Invictus 2017 Project Exhibition | BLDES, Vijapur | National | Student | 1 | Winner Prize Rs 2000 | 0.00 | 0.00 | 0.00 |
| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | WITCHAR 2017 | WIT, Solapur | National | Student | 1 | Winner Prize Rs 2000 | 0.00 | 0.00 | 0.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Innovation | Project Exhibition at Solapur University Avishkar | Solapur University | National | Student | 1 | Winner Rs 5000 | 0.00 | 0.00 | 0.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Innovation | Technorise 2K17 Project Exhibition | SB Patil College, Indapur | National | Student | 1 | Winner Prize Rs 2000 | 0.00 | 0.00 | 0.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Innovation | WEENGS 2K17 Project Exhibition | SKN Pandharpur | National | Student | 1 | Winner Prize Rs 2000 | 0.00 | 0.00 | 0.00 |
| 2016-17 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Innovation | Invictus 2017 Project Exhibition | BLDES, Vijapur | National | Student | 2 | Winner Prize Rs 2000 | 0.00 | 0.00 | 0.00 |

**Institute's Participation in Events / Programmes organized by the External Agencies**

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

| 2016-17 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | MIT Robocon | MIT Pune | International | Student | 34 | Nil | 34089.00 | 0.00 | 34089.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2017-18 | Workshops / Training / Seminars / Conferences | Innovation | Student Induction Programme | TKIET, Warananagar | National | Faculty | 2 | Nil | 1500.00 | 0.00 | 1500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | IPR | International Conference on innovative and Advanced Technologies in Engineering | Atharwa College of Engg, Mumbai | International | Faculty | 1 | Nil | 2000.00 | 0.00 | 2000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | IPR | International Conference on Repair and re habitalisation | The Lalit Mumbai | International | Faculty | 1 | Nil | 0.00 | 19765.00 | 19765.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | IPR | International Conference on Stochastic Processes and Algebraic Structures -From Theory towards Applications | Malardalen University and Stockholm University, Sweden | International | Faculty | 1 | Nil | 10000.00 | 62000.00 | 72000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Innovation | Precast and Pre fabricated structure | Le Royan Meridian Chennai | National | Faculty | 1 | Nil | 1500.00 | 0.00 | 1500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | IPR | International Conference on Innovations in Electrical, Electronics , Instrumentation and Media Technology | Karunya University, Coimbatur | International | Faculty | 1 | Winner | 1500.00 | 0.00 | 1500.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | IPR | International conference on Computing and Signal Processing | Dr BATU Lonere | International | Faculty | 1 | Nil | 3000.00 | 0.00 | 3000.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Innovation | Pedagogy for Online and Blended Teaching Learning Process | IIT Bombay | National | Faculty | 3 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Innovation | Foundation Programme in ICT for Education | IIT Bombay | National | Faculty | 4 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Entrepreneurship/Startup | Entrepreneurship Development | MITCON | National | Faculty | 1 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Innovation | Train The Trainer | Tata Technologies | National | Faculty | 5 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Exhibitions of Innovative Products / E-Summits / Tech-Fests | Innovation | Smart India Hackathon 2018 Web Dreamers | Govt. of Delhi | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |

## Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2018 Head Turners | Ministry of Railways | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2018 Tech Divas | Ministry of Electronic and Information Technology (MEITY) | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2018 Tech Ninjas | Department of Food and Public Distribution, Ministry of Consumer Affair Food and Public Distribution | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2018 Dream Crusher | Ministry of Skill Development and Entrepreneurship | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2018 Script Makers | Govt. of Gujrat | National | Student | 6 | Qualified till Final Round | 3000.00 | 0.00 | 3000.00 |
| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Smart India Hackathon 2018 Sinhgad Divas | Govt. of Maharashtra | National | Student | 6 | Nil | 0.00 | 0.00 | 0.00 |
| 2017-18 | Workshops / Training / Seminars / Conferences | Innovation | Recent Trends in PLC, IoT | Sanjeevan Engg and Technology Institute, Kolhapur | National | Faculty | 1 | Nil | 800.00 | 0.00 | 800.00 |
| 2017-18 | Hackathons/Competition/Boot-Camp/Exchange Programs | Innovation | Student Kart Design Challenge | Society of Mechanical and Automobile Engineers | National | Student | 26 | Received First prize of Rs 1 Lakh | 0.00 | 0.00 | 0.00 |

## Pre-Incubation and Incubation facilities exist in-campus

Total Annual Expenditure Incurred towards Creation of Pre-Incubation and Incubation Facilities in Campus

| Financial Year | Name of Centre | Type of Facility | Year of Facility Creation | Facility Location / Address | Facility Incharge Name | Facility area in Sq Ft | Operational Cost of Centre (in Rs.) (Construction Cost is excluded) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Institute Own / Internal Fund (in Rs.) | Sponsorship / External Fund | Total Expenditure Incurred |
| 2016-17 | Center for Research and Technological Development | Incubation | 2016 | N. B. Navale Sinhgad College of Engineering, CSE Building First Floor, Gat No. 38/1 B, Kegaon, Solapur Pune Highway, Solapur-413255 , MH, INDIA | Dr. S. H. Pawar | 775 | 1950000.00 | 1045000.00 | 2995000.00 |
| 2017-18 | Center for Research and Technological Development | Incubation | 2016 | N. B. Navale Sinhgad College of Engineering, CSE Building First Floor, Gat No. 38/1 B, Kegaon, Solapur Pune Highway, Solapur-413255 , MH, INDIA | Dr. S. H. Pawar | 775 | 1810000.00 | 20000.00 | 1830000.00 |

## Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

| Financial Year | Category | Name of Idea / Project / Innovation / Startup | Applicant Type | Academic Year of Study | Project Completion | Core Team Size (Nos) | Fund Supported | | | | Current Status (as of 31st March 2018) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Institution Own Seed Fund | Seed Grant from Funding Agency | Angel / Venture Capital Fund | Total Supported Amount | |
| 2017-18 | Non-Patented Innovative Technology to Start-up | Phototherapy for Neonatal Jaundice | Student and Faculty | | Successfully Completed | 3 | 30000.00 | 0.00 | 10000.00 | 40000.00 | IP – Tech Transfer/Commercialization Phase |

## Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

**Not Applicable!**

## Innovations Commercialized and IP Licensed

Total Annual Expenditure Incurred and Revenue Generated from IP Commercialization and Licensing at Institute Level (Excluding Consultancy and Testing Services)

**Not Applicable!**

## Grant / Fund Generated / Received by Institute to support Innovation & Start-up

Total Annual Grant / Fund Generated / Received / Mobilized from Govt., Non Govt. and Private Agencies towards Creation of Pre-Incubation and Incubation Infrastructure and Facilities in Campus

| Financial Year of Fund Generated | Grant Agency Type | Grant Agency Name | Total Grant Period (in Years) | Total Grant Allocated Amount (in Rs.) | Total Grant Received Amount (in Rs.) (as of 31st March 2018) | Purpose of Grant Utilization (Multiple options can be selected) | Purpose of Grant Utilization (Other) |
|---|---|---|---|---|---|---|---|
| 2016-17 | Government | Indian Institute of Tropical Meteorology, Pune | 02.0 | 965712.00 | 948712.00 | Pre-Incubation & Incubation Facility/Infrastructure Creation | --- |
| 2017-18 | Government | Indian Institute of Tropical Meteorology, Pune | 02.0 | 2719631.00 | 3008140.00 | Pre-Incubation & Incubation Facility/Infrastructure Creation | --- |

## Venture Fund / Investment mobilized to support Innovation & Start-up

Total Angel/Venture Fund Mobilized Annually towards Investment Commitment/Support Innovators/Start-ups incubated at Institute

| Financial Year | Investor Type | Amount Committed / Lined Up (in Rs.) | Total Number of Successful Investments in Ideas / Innovation / Start-ups | Total Amount Invested |
|---|---|---|---|---|
| 2016-17 | Angel Investment Fund | 46300.00 | 4 | 46300.00 |
| 2017-18 | Angel Investment Fund | 45000.00 | 2 | 70000.00 |

## Revenue Generated from Incubation Services offered by the Institute

Total Revenue Generated Annually from the Incubation Services offered and Equity/Share hold in Incubatees/Spinoffs

| Financial Year of Revenue Generated | Name of the Startup | Startup lead by | Current Phase of Startup | Revenue Generated from Incubation | | | |
|---|---|---|---|---|---|---|---|
| | | | | From Rental / Advisory / Training Services (in Rs.) | Equity / Share Percentage (%) in Startup | From Equity/Share held in Startup (in Rs.) | Total Revenue Generated (in Rs.) |
| 2017-18 | Saksham Medicare Equipment and Services | Alumni | Graduated from Incubation | 0.00 | 1 | 2000.00 | 2000.00 |

## Infrastructures & Facilities to Support Innovations and Start-ups

| Advanced Infrastructure |
|---|

**Advanced Lab Infrastructure/Facilities available to Support Innovation and Start-Up**

Yes

**If Yes, Type of Lab Infrastructures / Facilities Available (Multiple Options can be Selected)**

Design Centre, Fabrication Lab, Automation Lab

**List Maximum Five Advanced Labs Infrastructures Available in your Campus**

| Name of the Centre | Sector Focus of Centre (Separate Multiple Sectors with Comma ",") | Name of the Centre In charge | Email of the Centre In charge |
|---|---|---|---|
| Design Center | Computer Aided Design, Drafting and Analysis | Prof. M. A. Sayeed | masayeed.nbnscoe@gmail.com |
| Fabrication Center | Machining, Welding, Fitting, Carpentary Shop | Prof. S. T. Jagtap | shri2331@yahoo.com |
| PLC Automation Center | Automation, Manufacturing | Prof. Vinay N. Jokare | vnjokare@gmail.com |

| Pre Incubation Centre Available in your Campus |
|---|

**Pre-Incubation Centre**

No

**Type of Centre (Multiple options can be selected)**

**List Maximum Five Pre-Incubation Centre Available in your Campus**

| Name of the Centre | Sector Focus of Centre (Separate Multiple Sectors with Comma ",") | Name of the Centre In charge | Email of the Centre In charge |
|---|---|---|---|

| Incubation Unit/Acceleration Centre/ Research Park / STEP |
|---|

**Incubation Unit/Acceleration Centre/ Research Park / STEP Available in your Campus**

Yes

**Type of Centre (Multiple options can be selected)**

Incubation Centre

**List Maximum Five Pre-Incubation Centre Available in your Campus**

| Name of the Centre | Sector Focus of Centre (Separate Multiple Sectors with Comma ",") | Name of the Centre In charge | Email of the Centre In charge |
|---|---|---|---|
| Center for Research and Technological Development | Cloud Physics, Energy Science and Technology, Environmental Engineering, Bio medical Engineering, Computaional Engineering, Material Science and Engioneering, Earth Sciences | Dr. S. H. Pawar | researchtechnolgy2016@gmail.com |

## Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renounced Agencies/Awards

| Financial Year of Award Received | Name of the Award / Program | Awarding Agency Name | Type of Award | Current Status (as of 31st March 2018) | Total Team Size (Student + Faculty) |
|---|---|---|---|---|---|
| 2015-16 | COEP Conclave | College of Engineering, Pune | National | Technology Development/Pre Incubation Phase | 3 |
| 2015-16 | IITB Tech Fest | IIT Mumbai | National | Technology Development/Pre Incubation Phase | 4 |
| 2016-17 | Solar Vehicle Championship 2017 | SKN Pandharpur | International | Technology Development/Pre Incubation Phase | 25 |
| 2017-18 | Students Kart Design Challenge -2017 | Society of Mechanical and Automotive Engineers | National | Technology Development/Pre Incubation Phase | 27 |
| 2017-18 | Innovation 2017 | Rajiv Gandhi Institute of Technology | National | Startup under Incubation Phase | 4 |
| 2017-18 | Abhivyakti 2K18 | BMIT Solapur | National | Technology Development/Pre Incubation Phase | 5 |

## Innovations to Startups

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

| Financial Year | Innovation / Start-Up Name | Founded by | Name of the Co-Founders (Multiple Names can be mentioned with Commas) | Received Incubation | Name of Incubator | Period of Incubation Received (in Years) | Startup with Corporate Identification Number (CIN) Registration | Corporate Identification Number (CIN) No. | Current Startup Status | Startup Grown to an annual turnover of Rs. 50 Lakhs (or) 10 employees for a period of 2 years |
|---|---|---|---|---|---|---|---|---|---|---|
| 2017-18 | Phototherapy for Neonatal Jaundice | Student and Faculty | Prof Shashikant S Hippargi | Yes | Center for Research and Technological Development | 1 | No | --- | Graduated | No |

## Co-Incubation Partnership

Co-incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support

| Financial Year | Type of Partnership | Partnership Institute Name | Type of Support Offered (Multiple Options can be Selected) | No. of Student Projects/ Ideas / Innovation / Startups Supported |
|---|---|---|---|---|
| 2017-18 | Incubation Services/Support Extended to Other Institute | Ultra Tech Cement | Mentoring,Networking,Seed fund | 4 |

## Courses on Innovation, IPR and Entrepreneurship Development

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

| Academic Year | Title of Course | Subject Focus of Course | Type of Course | Mode of Delivery | Duration of Course / Subject (Minimum 30 Contact Hours) | Total Enrollment for the Course | Total Nos. Completed the Course |
|---|---|---|---|---|---|---|---|
| 2017-18 | Industrial training on Industrial Automation and Arduino Programming | Innovation and Entrepreneurship Development | Short Term Certificate Course | Classroom | 120 | 15 | 15 |

## Faculty with Entrepreneurial Experience

Regular Faculties Engaged in Teaching with Experience in Innovation Design, IPR, Business Modelling, Entrepreneurship Development, Start-up, etc.

| Academic Year | Faculty Name | Department | Years of Experience in Start-up / Entrepreneurship | Area of Expertise (Multiple Options can be Selected) | Level of Involvements as | Is Faculty, a Founder/Director of any Start-up | Name of the Start-up (Multiple Startups can be mentioned with Comma) | Director Identification Number (DIN) |
|---|---|---|---|---|---|---|---|---|

## Faculty with Entrepreneurial Experience

Regular Faculties Engaged in Teaching with Experience in Innovation Design, IPR, Business Modelling, Entrepreneurship Development, Start-up, etc.

| 2015-16 | Prof Azharuddin Kutubuddin  Shaikh | 8 | Mechanical Engineering | Entrepreneurship Development | Mentor | No | --- | --- |
|---|---|---|---|---|---|---|---|---|
| 2015-16 | Prof Shashikant H Lamkhane | 8 | Mechanical Engineering | Entrepreneurship Development | Mentor | No | --- | --- |
| 2017-18 | Prof Hemantkumar Vinod Shinde | 2 | Mechanical Engineering | Entrepreneurship Development | Mentor | No | --- | --- |

## Innovation in Governance

Best Innovative Solutions Developed In-house for Improving Governance of Your Institution

| Financial Year | Categories | Title of the Innovation | Brief About Solutions / Approaches Developed and Deployed in Your Institute | Total Project Amount (in Rs.) | Revenue Generated (in Rs.) | Impact created (No. of Direct Beneficiaries/Users) |
|---|---|---|---|---|---|---|
| 2015-16 | Energy Conservation | Solar Car | Renewable Energy is vital for todays world as in near future the non renewable sources that we are using are going to get exhausted. The Solar vehicle is a step in saving these non renewable sources of energy. The basic principle of Solar car is to use energy that is stored in battery during and after charging it from solar panel. The charged battery are used to drive the motor which serve here as an engine and moves the vehicle in reverse or forward direction. The energy tapping rheostat is provided so as to control the motor speed. This avoid exessive flow of current when the vehicle is supposed to be stopped suddenly as it is in normal. | 120000.00 | 0.00 | 50 |
| 2017-18 | Waste Management | Solar Power Based Automatic Garbage compactor System and GSM based garbage collection system | Our Prime Minister Mr. Narendra Modi has introduced Swach Bharat abhiyan to make India a clean and smart nation. So under this abhiyan we have contributed to make a system for efficient waste management which works on the renewable energy source i.e Solar Energy. Aim here is to make smart waste management solution that enable customer to collect garbage only when required, to improve the operational efficiency, rate of waste collection, to reduce  the amount of NO2 emission and efficient collection operation.Major objectives were to keep the city clean and neat so that people are free from diseases. The compactor took up less space than the garbage can. We have tried to reduce the cost of garbage collecting vehicle and make the system eco friendly. We also tried to save time, fuel and maintenance cost and to reduce CO2 emission. | 70000.00 | 47000.00 | 10 |