# St. MARTIN'S ENGINEERING COLLEGE

Dhulapally, Secunderabad - 500100
**NIRF ranked, NAAC A+ ACCREDITED**

## Intellectual Property (IP) Support

### List of IP Support Available in the Institute

A dedicated IP cell is functioning at the institute to support the students and faculty to identify, protect and commercially exploit Intellectual Property arising from research. The Intellectual Property cell can provide support for IP application from start to finish. The IP cell motivate the students and faculty to create IP during their work or studies. The cell creates conducive environment in the academics for the development of Intellectual Property. Faculty and students of SMEC are actively participating in the IPR filing process in different disciplines of Engineering & Technology. The following patents are generated through the IP cell of SMEC.

| S. No. | Name of the Faculty | Title of the patent | Indian / foreign | Application No. | Date of Filing / Publication | Year of Publication / Grant | Status |
|---|---|---|---|---|---|---|---|
| 1. | Dr. P. Santosh Kumar Patra | Intelligent Methods for Detecting Coronavirus using RNA and Share The Location using IoT | Indian | 202041015044 | 22/05/2020 | 2019-20 | Published |
| 2. | Dr. P. Santosh Kumar Patra | IWS- Device: Intelligent Woman Safety Device using AI Programming | Indian | 202041000359 | 10/01/2020 | 2019-20 | Published |
| 3. | Dr. P. Santosh Kumar Patra | Blood Glucose Level Detection: Notification Blood Glucose Level Using Infrared Signal | Indian | 202041001994 | 24/01/2020 | 2019-20 | Published |
| 4. | Dr. P. Santosh Kumar Patra | Intelligent way to provide IOT based patient monitoring system using beaglebone kit | Indian | 201941036942 | 20/9/2019 | 2019-20 | Published |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **5.** | Dr. P. Santosh Kumar Patra | IW-SYSTEM: Inbuilt washing system in 2 wheeler | Indian | 201941045408 | 29/11/2019 | 2019-20 | Published |
| **6.** | Dr. P. Santosh Kumar Patra | FA-ATM: Fingerprint and pin authentication to enhance security at the automatic teller machines | Indian | 201941044372 | 29/11/2019 | 2019-20 | Published |
| 7. | Dr. P. Santosh Kumar Patra | AIB-BOTTLE: AI based water filter bottle | Indian | 201941035054 | 6/9/2019 | 2019-20 | Published |
| 8. | Dr. P. Santosh Kumar Patra | Method of Machine learning based cluster analysis for large categorical data | Indian | 201941042954 | 25/10/2019 | 2019-20 | Published |
| 9. | Dr. P. Santosh Kumar Patra | Experimental analysis on slef compacting concrete using nano silica | Indian | 202041025440 | 17/06/2020 | 2020 | published |
| 10. | Dr. P. Santosh Kumar Patra | Manufacturing of 3D delta Concrete printer | Indian | 202041021899 | 05/06/2020 | 2020 | published |
| 11. | Dr. P. Santosh Kumar Patra | Manufactu ring of plastic marble tile using plastic bags | Indian | 202041027665 | 10/07/2020 | 2020 | published |
| 12. | Dr. P. Santosh Kumar Patra | Design and fabrication of Electric Smart Bike with Voice Recognition | Indian | 202041018099 A | 29-05-2020 | 2020 | Published |
| 13. | Dr. P. Santosh Kumar Patra | Development of semi automatic abrasive jet machine by using CNC | Indian | 202041017544 A | 05-06-2020 | 2020 | Published |
| 14. | Dr. P. Santosh Kumar Patra | Manufacturing plastic bricks from regular plastic Waste | Indian | 202041018985 A | 05-06-2020 | 2020 | Published |
| 15. | Dr. P. Santosh Kumar Patra | Manufacturing of 3D delta concrete Printer | Indian | 202041021899 A | 05-06-2020 | 2020 | Published |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16. | Dr. P. Santosh Kumar Patra | Experimental analysis on self compacting concrete using nano Silica gel | Indian | 202041025440 A | 03-07-2020 | 2020 | Published |
| 17. | Dr. P. Santosh Kumar Patra | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 03-07-2020 | 2020 | Published |
| 18. | Dr. P. Santosh Kumar Patra | IOT-Traffic System: IOT Based intelligent traffic,Transport Management | Indian | 201941004416 | 15/02/2019 | 2018-19 | Published |
| 19. | Dr. P. Santosh Kumar Patra | IMC- CHARGER: Intelligent mobile phone protective case with solar charger thin battery | Indian | 201921016540 | 17/05/2019 | 2018-19 | Published |
| 20. | Dr. P. Santosh Kumar Patra | IM-MOUSE: Intelligent memory mouse | Indian | 201941016573 | 03/05/2019 | 2018-19 | Published |
| 21. | Dr. P. Santosh Kumar Patra | IBA SYSTEM – Biometric Authentication system. User can transfer the amount to registered account number | Indian | 201821029061 | 05/06/2020 | 2018-19 | Published |
| 22. | Dr. P. Santosh Kumar Patra | "IGC-SYSTEM: Intelligent Garbage Collection System" | Indian | 201821029064 | 02/08/2018 | 2018-19 | Published |
| 23. | Dr. P. Santosh Kumar Patra | Intelligent printing system to remove text on paper and reuse paper, ink | Indian | 201821025143 | 07/09/2018 | 2018-19 | Published |
| 24. | Dr. P. Santosh Kumar Patra | Accept the biometric input and complete all banking process | Indian | 201821025145 | 10/08/2018 | 2018-19 | Published |
| 25. | B Srinivasalu | Portable air conditioner for vehicle | Indian | 201941035581 | 04/09/2019 | 18/10/2019 | Published |
| 26. | M.Sreenuraju | Portable air conditioner for vehicle | Indian | 201941035581 | 04/09/2019 | 18/10/2019 | Published |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 27. | Dr. D. V. Sreekanth | Design and fabrication of Electric smart Bike with voice recognition | Indian | 202041018099 A | 28/4/2020 | 29/5/2020 | Published |
| 28. | Chundru Ranga Rao | Design and fabrication of Electric smart Bike with voice recognition | Indian | 202041018099 A | 28/4/2020 | 29/5/2020 | Published |
| 29. | T. Paramesh | Design and fabrication of Electric smart Bike with voice recognition | Indian | 202041018099 A | 28/4/2020 | 29/5/2020 | Published |
| 30. | Dr. B. Srinivasulu | Design and fabrication of Electric smart Bike with voice recognition | Indian | 202041018099 A | 28/4/2020 | 29/5/2020 | Published |
| 31. | Dr. D. V. Sreekanth | Development of semi automatic Abrasive Jet Machine by using CNC programming | Indian | 202041017544 A | 24/4/2020 | 5/6/2020 | Published |
| 32. | Dr. Saurav Das | Development of semi automatic Abrasive Jet Machine by using CNC programming | Indian | 202041017544 A | 24/4/2020 | 5/6/2020 | Published |
| 33. | Chundru Ranga Rao | Development of semi automatic Abrasive Jet Machine by using CNC programming | Indian | 202041017544 A | 24/4/2020 | 5/6/2020 | Published |
| 34. | T. Paramesh | Development of semi automatic Abrasive Jet Machine by using CNC programming | Indian | 202041017544 A | 24/4/2020 | 5/6/2020 | Published |
| 35. | M. Bhojendra Naik | Development of semi automatic Abrasive Jet Machine by using CNC programming | Indian | 202041017544 A | 24/4/2020 | 5/6/2020 | Published |
| 36. | Chundru Ranga Rao | Development of automatic seed sowing machine by using Arduino | Indian | 202041018982 A | 4/5/2020 | 5/6/2020 | Published |
| 37. | Dr. D. V. Sreekanth | Development of automatic seed sowing machine by using Arduino | Indian | 202041018982 A | 4/5/2020 | 5/6/2020 | Published |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38. | T. Paramesh | Development of automatic seed sowing machine by using Arduino | Indian | 202041018982 A | 4/5/2020 | 5/6/2020 | Published |
| 39. | M. Bhojendra Naik | Development of automatic seed sowing machine by using Arduino | Indian | 202041018982 A | 4/5/2020 | 5/6/2020 | Published |
| 40. | R. Suvarna Babu | Development of automatic seed sowing machine by using Arduino | Indian | 202041018982 A | 4/5/2020 | 5/6/2020 | Published |
| 41. | R. Hanuma Naik | Development of automatic seed sowing machine by using Arduino | Indian | 202041018982 A | 4/5/2020 | 5/6/2020 | Published |
| 42. | Dr. D. V. Sreekanth | Manufacturing plastic bricks from regular plastic waste | Indian | 202041018985 A | 4/5/2020 | 5/6/2020 | Published |
| 43. | T. Paramesh | Manufacturing plastic bricks from regular plastic waste | Indian | 202041018985 A | 4/5/2020 | 5/6/2020 | Published |
| 44. | Chundru Ranga Rao | Manufacturing plastic bricks from regular plastic waste | Indian | 202041018985 A | 4/5/2020 | 5/6/2020 | Published |
| 45. | Dr. Saurav Das | Manufacturing plastic bricks from regular plastic waste | Indian | 202041018985 A | 4/5/2020 | 5/6/2020 | Published |
| 46. | M. Bhojendra Naik | Manufacturing plastic bricks from regular plastic waste | Indian | 202041018985 A | 4/5/2020 | 5/6/2020 | Published |
| 47. | T. Paramesh | Development of smart wheel chair with fork lift for physically challenged persons | Indian | 202041021458 A | 21/5/2020 | 5/6/2020 | Published |
| 48. | Dr. D. V. Sreekanth | Development of smart wheel chair with fork lift for physically challenged persons | Indian | 202041021458 A | 21/5/2020 | 5/6/2020 | Published |
| 49. | Chundru Ranga Rao | Development of smart wheel chair with fork lift for physically challenged persons | Indian | 202041021458 A | 21/5/2020 | 5/6/2020 | Published |
| 50. | Dr. Saurav Das | Development of smart wheel chair with fork lift for | Indian | 202041021458 A | 21/5/2020 | 5/6/2020 | Published |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | physically challenged persons | | | | | |
| 51. | K. Sunitha | Development of smart wheel chair with fork lift for physically challenged persons | Indian | 202041021458 A | 21/5/2020 | 5/6/2020 | Published |
| 52. | N. Tulasi Ram | Development of smart wheel chair with fork lift for physically challenged persons | Indian | 202041021458 A | 21/5/2020 | 5/6/2020 | Published |
| 53. | Dr. Saurav Das | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 54. | Dr. D. V. Sreekanth | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 55. | T. Paramesh | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 56. | Dr. Ravinaik Banoth | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 57. | Balaji D Tandle | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 58. | K. Gayatri | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 59. | M. Suneetha | A Novel design for muffler chambers by incorporating baffle plate | Indian | 202041024264 A | 10/6/2020 | 19/6/2020 | Published |
| 60. | Dr. D. V. Sreekanth | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 23/06/2020 | 3/7/2020 | Published |
| 61. | T. Paramesh | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 23/06/2020 | 3/7/2020 | Published |
| 62. | Dr. Ravinaik Banoth | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 23/06/2020 | 3/7/2020 | Published |

| 63. | Dr. B. Srinivasulu | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 23/06/2020 | 3/7/2020 | Published |
|---|---|---|---|---|---|---|---|
| 64. | B.Taraji Naik | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 23/06/2020 | 3/7/2020 | Published |
| 65. | Y.Chandra Sekhar Yadav | Development of Stree Swachtha sanitary napkin vending machine | Indian | 202041026594 A | 23/06/2020 | 3/7/2020 | Published |

**IP Support Available at the National Level**

Ministry of Micro Small & Medium Enterprise, (Mo MSME) Govt. of India has established Intellectual Property Rights Facilitation Centre (IPFC) at various cities of India with different partners.

These IPFCs provide services pertaining to IP Protection, IP Awareness & Training, Counselling & Advisory Services. IPFC organizes training programs on specific themes relating to IP. Programmes are designed and coordinated by IPFC as per the need of the audience.

Various services available at IPFC are as follows:

- General advisory on all type of Intellectual Properties
- Patent and Literature (Prior Art) Search, Patentability Search, FTO (Freedom To Operate) Search, Invalidity Search, Patent Drafting
- Trademark Search, Filing, Prosecution, Renewals, Opposition and Analysis
- Copyright Registration Services
- Registration of Geographical Indication
- IP Commercialization and Tech transfer

IPFCs are present at 34 locations such as Mysore, Indore, Gandhinagar, Bengaluru, Visakhapatnam, Guwahati and other locations.