

**New Horizon College of Engineering**  
**Department of Electronics and Communication Engineering**  
**BE Project Batch Details(Academic Year 2018-19)**

| Sl.No | Project Batch No. | USN        | NAME                         | Name of the Project  | Name of the Guide |
|-------|-------------------|------------|------------------------------|--|-------------------|
| 1     | 1                 | 1NH15EC021 | GattuRaghunadham             | Clay 3D printing based on Bowden Extrusion technique           | Mr.Bhimasen K     |
| 2     |                   | 1NH15EC059 | Nanditha S                   |  |                   |
| 3     |                   | 1NH15EC115 | Suraj R                      |  |                   |
| 4     | 2                 | 1NH15EC727 | Hariraj R                    | Plant Growth Monitoring System                                 | Dr Sanjeev Sharma |
| 5     |                   | 1NH15EC709 | Goutham R                    |  |                   |
| 6     |                   | 1NH15EC753 | Surya V                      |  |                   |
| 7     | 3                 | 1NH15EC003 | Bachal                       | Power line communication based automation                      | Dr Nisha          |
| 8     |                   | 1NH15EC027 | HemanthKarthik               |  |                   |
| 9     |                   | 1NH15EC071 | PreetiMethry                 |  |                   |
| 10    | 4                 | 1NH15EC086 | Sachin Yadav                 | Breast cancer detection  | Mr.Bhimasen K     |
| 11    |                   | 1NH15EC085 | SaahilRai                    |  |                   |
| 12    | 5                 | 1NH15EC002 | AbhuriGreeshma               | Noise Removal in medical signal and Images using filters       | MrsThanuja        |
| 13    |                   | 1NH15EC058 | N.Priyanka                   |  |                   |
| 14    | 6                 | 1NH15EC005 | AkhilChowdhary M             | FPGA based space vector modulation for current source inverter | Dr Nisha          |
| 15    |                   | 1NH15EC012 | Bujja Ajay                   |  |                   |
| 16    |                   |            | Tirumalasaatheeshhimakeerthi |  |                   |
| 17    | 7                 | 1NH15EC100 | ShruthiRajamani              | Channel estimation in a massive MIMO System for 5G             | Ms.Lipsa Dash     |
| 18    |                   | 1NH15EC131 | S Reshma                     |  |                   |
| 19    |                   | 1NH15EC083 | S P Rahul                    |  |                   |
| 20    | 8                 | 1NH15EC098 | Shilpa V                     | FarmBot  | Dr T.S Jayadeva   |
| 21    |                   | 1NH15EC106 | Sidharth P                   |  |                   |
| 22    |                   | 1NH15EC030 | Janardhan                    |  |                   |
| 23    | 9                 | 1NH15EC074 | Putti Akhil Reddy            | Digital pill   | Ms Mahashwari     |
| 24    |                   | 1NH15EC091 | Sanjay Kumar A               |  |                   |
| 25    |                   | 1NH15EC070 | PolisettyVenkatSai           |  |                   |

|    |    |            |                    |   |                |
|----|----|------------|--------------------|---|----------------|
| 26 | 10 | 1NH15EC088 | Saleh Junaid       | Under water R.O.V   | Mrs.Rajani     |
| 27 |    | 1NH15EC126 | VidhutSharama      |   |                |
| 28 | 11 | 1NH15EC730 | Rahul S            | Smart container   | Ms.Maheshwari  |
| 29 |    | 1NH15EC726 | Praveen Nair       |   |                |
| 30 |    | 1NH15EC746 | Shivani v          |   |                |
| 31 | 12 | 1NH15EC080 | Roopa D Almeida    | Arteficial Intelligence based stress level analysis   | Ms Nayana      |
| 32 |    | 1NH15EC114 | Sumanth R          |   |                |
| 33 |    | 1NH15EC036 | Karthik R          |   |                |
| 34 | 13 | 1NH13EC022 | Akshay Reddy       | Skin cancer identification by digital image processing techniques                               | Ms Sushmitha   |
| 35 |    | 1NH15EC127 | Virender Singh     |   |                |
| 36 |    | 1NH14EC061 | DivyaTeja          |   |                |
| 37 | 14 | 1NH16EC413 | Mohan Kumar        | Development of underwater ROV for drowned human body detection                                  | Mr Naveen      |
| 38 |    | 1NH16EC401 | Dilip Kumar        |   |                |
| 39 |    | 1NH15EC724 | Prasanna Kumar     |   |                |
| 40 | 15 | 1NH15EC023 | GuruShreeBhat U    | Talking energy meter based on microcontroller   | Ms Rama        |
| 41 |    | 1NH15EC025 | Harshitha J R      |   |                |
| 42 |    | 1NH15EC02  | Harshitha N        |   |                |
| 43 | 16 | 1NH15EC728 | Rahul John Alex    | Sign language to speech translation system  | Mr Rajeev      |
| 44 |    | 1NH15EC713 | I G Kevin          |   |                |
| 45 |    | 1NH15EC700 | Abhishek           |   |                |
| 46 | 17 | 1NH15EC725 | Pratap R           | Performance comparison of OFDM communication using FFT, DWT and DTCWT.                          | Mr Naveen      |
| 47 |    | 1NH15EC733 | Ramya R            |   |                |
| 48 |    | 1NH15EC729 | Radhika R          |   |                |
| 49 | 18 | 1NH14EC026 | Vedavathikiranmai  | Waste separation using smart dustbin  | Dr PiruthviRaj |
| 50 |    | 1NH15EC124 | HarshavardhanReddy |   |                |
| 51 |    | 1NH15EC069 | Pavan Kumar S      |   |                |
| 52 | 19 | 1NH16EC400 | Chetan B.R         | Accident detection system with automatic alert to nearby Ambulance, Hospital and Police station | Ms Rajani      |
| 53 |    | 1NH16EC431 | Aravinda K         |   |                |
| 54 |    | 1NH15EC001 | VinayKumar Reddy   |   |                |
| 55 | 20 | 1NH15EC125 | Veda J             | Hybrid Analog- Digital precoding algorithm for MIMO-OFDM Systems                                | Ms Lipsa Dash  |
| 56 |    | 1NH15EC076 | Rachitha R         |   |                |

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|----|----|------------|----------------------------|--|--------------------------------|
| 57 |    | 1NH15EC073 | Punarva                    | algorithm for MIMO-OFDM systems  |                                |
| 58 | 21 | 1NH16EC407 | Lavanya C<br>V(1NH16EC407) | Design and implementation of 16 * 16 multiplier using VEDIC mathematics                                | Mr Karthik                     |
| 59 |    | 1NH15EC413 | Pavana M                   |  |                                |
| 60 |    | 1NH14EC052 | Priyanaka Milton           |  |                                |
| 61 | 22 | 1NH16EC404 | Hemavathi S                | IOT based infant incubator   | MsDivyaRajan                   |
| 62 |    | 1NH15EC752 | Suraj Kumar Sharama        |  |                                |
| 63 |    | 1NH16EC421 | Rakshitha N                |  |                                |
| 64 | 23 | 1NH15EC066 | P Udayabhanu               | Ultra low power ROM Architecture (implementation of Schematic and Layout of control block and decoder) | Dr SanjeevSharama/<br>Ms Neetu |
| 65 |    | 1NH15EC079 | Riya Dey                   |  |                                |
| 66 | 24 | 1NH15EC065 | Shwetha R                  | Automated lawn grass cutter  | MsMahalaxmi                    |
| 67 |    | 1NH15EC107 | Sneha P                    |  |                                |
| 68 | 25 | 1NH15EC748 | Shuvam Pal                 | GSM – SOLAR based automatic irrigation control system  | Ms Sujitha                     |
| 69 |    | 1NH15EC754 | Syed Saqlain Ahmed         |  |                                |
| 70 |    | 1NH15EC756 | T.Venkatesh                |  |                                |
| 71 | 26 | 1NH15EC078 | Radhika B                  | Ultra low power ROM architecture (Implementing Sensing architecture)                                   | Ms Nayana                      |
| 72 |    | 1NH15EC129 | A Yashika                  |  |                                |
| 73 |    | 1NH15EC047 | VenkataramaKrishna         |  |                                |
| 74 | 27 | 1NH16EC419 | Praveen Kumar Jadhav       | Implementation of AODV network protocol using NS2  | MsDivya Sharma                 |
| 75 |    | 1NH16EC411 | MadhaviSajjan              |  |                                |
| 76 |    | 1NH16EC426 | Sachin K.B                 |  |                                |
| 77 |    | 1NH16EC42  | MdFiazulla                 |  |                                |
| 78 | 28 | 1NH15EC705 | Chandana M                 | Design and development of a Pest detection system for plants   | Mr Jagadish Rao                |
| 79 |    | 1NH14EC406 | Gayathri V                 |  |                                |
| 80 |    | 1NH16EC416 | NareshBabu                 |  |                                |
| 81 | 29 | 1NH15EC732 | Ramya.G                    | Modified Taylors series to reduce sidelodbe using optimize window                                      | Ms Ishani Mishra               |
| 82 |    | 1NH16EC424 | Rohit.R                    |  |                                |
| 83 | 30 | 1NH15EC105 | Shyla shree R              | Digital hearing aid system   | Dr Shreesha                    |
| 84 |    | 1NH15EC111 | Sowmya                     |  |                                |
| 85 |    | 1NH16EC408 | Lokesh                     |  |                                |
| 86 | 31 | 1NH15EC122 | Bharath Raj                | Traffic management system using smart lane divider   | Dr T.S.Jayadeva                |
| 87 |    | 1NH15EC099 | ShreyasShreedhar           |  |                                |

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|-----|----|------------|---------------------|---|-----------------|
| 88  |    | 1NH15EC123 | Megha.V             |   |                 |
| 89  | 32 | 1NH15EC056 | Nagarjun            | Autonomous vehicle navigation and mapping system  | MsThanuja       |
| 90  |    | 1NH15EC054 | Mukesh              |   |                 |
| 91  |    | 1NH15EC046 | Manamohan           |   |                 |
| 92  | 33 | 1NH15EC033 | Jitin Jain Mathew   | Cotton disease detection  | Ms Monika       |
| 93  |    | 1NH15EC013 | Chandini C          |   |                 |
| 94  |    | 1NH15EC009 | Anusha M            |   |                 |
| 95  | 34 | 1NH15EC031 | Jayanth M.K         | Semantic segmentation for automated driving system using Matlab                         | Ms Rajani       |
| 96  |    | 1NH15EC045 | Manikanta K         |   |                 |
| 97  |    | 1NH15EC004 | AkashMantur         |   |                 |
| 98  | 35 | 1NH15EC022 | Greeshma R          | Design and development of Eye Blink algorithm to assist the MND Patients to communicate | Ms Rama         |
| 99  |    | 1NH15EC018 | Deexith S           |   |                 |
| 100 |    | 1NH16EC409 | Lokeshwara          |   |                 |
| 101 | 36 | 1NH15EC116 | Surendra Kumar      | Automated traffic signal management system  | Ms Nayana       |
| 102 |    | 1NH15EC120 | Thribhnan L         |   |                 |
| 103 |    | 1NH15EC704 | Basavan Gouda Patil |   |                 |
| 104 | 37 | 1NH16EC410 | M.Mrinal            | Design of low noise amplifier for wireless transmitter                                  | MsSujitha       |
| 105 |    | 1NH16EC405 | Kavyashree          |   |                 |
| 106 |    | 1NH15EC101 | Shruti Jana         |   |                 |
| 107 | 38 | 1NH15EC062 | NikalRiyaz          | Modular Satellite bus   | MrAravinda K    |
| 108 |    | 1NH15EC019 | Denzel              |   |                 |
| 109 |    | 1NH15EC049 | Mithun              |   |                 |
| 110 | 39 | 1NH14EC722 | Nishanth Reddy      | Drowsiness detection  | Mr Rajeev       |
| 111 |    | 1NH14EC737 | Abhishek Reddy      |   |                 |
| 112 |    | 1NH15EC430 | Niveditha V         |   |                 |
| 113 | 40 | 1NH15EC711 | Hakesh              | Advance secure Voting system  | Mr Jagadish Rao |
| 114 |    | 1NH15EC712 | HariChandana        |   |                 |
| 115 | 41 | 1NH15EC718 | Namrata.S.Katrale   | IOT Based green house mentoring system  | Dr Priyamvada   |
| 116 |    | 1NH15EC723 | K.Pradeep           |   |                 |
| 117 |    | 1NH15EC749 | Shwetha.P.S         |   |                 |
| 118 |    | 1NH15EC133 | Namratha BR         | Drunk driving detection and automatic   |                 |

|     |    |            |                      |  |                              |
|-----|----|------------|----------------------|--|------------------------------|
| 119 | 42 | 1NH15EC092 | SanjeevJayasurya S   | Drunk driving detection and automatic car ignition system                    | Dr Priyamvada                |
| 120 |    | 1NH15EC084 | SuhasSrinivas        |  |                              |
| 121 | 43 | 1NH15EC734 | Rashmi S             | Design and Development of Alcohol Detection technique                        | Dr T.S.Jayadeva              |
| 122 |    | 1NH15EC423 | VinayM.Sudhakar      |  |                              |
| 123 |    | 1NH15EC738 | Rushika Tendulkar    |  |                              |
| 124 | 44 | 1NH15EC042 | K.Gopi               | Communication device for physical disabled                                   | MS DivyaSharama              |
| 125 |    | 1NH15EC087 | S.SatwikYadav        |  |                              |
| 126 |    | 1NH15EC090 | Sandhya.B            |  |                              |
| 127 | 45 | 1NH15EC751 | Suraj Davis          | Design and Analysis of mm-wave antenna using SIW                             | Mr Ashutosh                  |
| 128 |    | 1NH15EC719 | NirmalAnand          |  |                              |
| 129 |    | 1NH15EC128 | Virupaksh S.B        |  |                              |
| 130 | 46 | 1NH15EC706 | CH.Vijay Krishna     | Implementation of fruit quality management                                   | Ms Rajashree                 |
| 131 |    | 1NH15EC739 | SK.MohammedAkhleem   |  |                              |
| 132 |    | 1NH15EC757 | V.Manoj              |  |                              |
| 133 | 47 | 1NH15EC020 | G.Asrith             | Smart shopping card  | MsRajashree                  |
| 134 |    | 1NH15EC041 | K.Srinivas Reddy     |  |                              |
| 135 |    | 1NH15EC064 | N.Dinesh Kumar Reddy |  |                              |
| 136 | 48 | 1NH15EC050 | Mohammed Musaver     | Under water accusation and enhancement R.O.V                                 | Dr SanjeevSharama/Mr. Naveen |
| 137 |    | 1NH15EC051 | Mohammed Shabaz      |  |                              |
| 138 |    | 1NH15EC057 | Nalini K             |  |                              |
| 139 |    | 1NH15EC038 | Kavya DR             |  |                              |
| 140 | 49 | 1NH15EC435 | Thyagaraj M          | Electromagnetic braking system   | Mr Ashutosh                  |
| 141 |    | 1NH15EC034 | Hitiesh              |  |                              |
| 142 |    | 1NH14EC132 | SrustikSubash        |  |                              |
| 143 | 50 | 1NH14EC147 | Rohit Reddy          | Low power range wireless communication                                       | Ms Dhramambal                |
| 144 |    | 1NH15EC132 | Deepti s             |  |                              |
| 145 |    | 1NH15EC029 | Irfan A              |  |                              |
| 146 | 51 | 1NH16EC423 | Ramitha.B            | Vehicle to vehicle communication protocol for co-operative collision warning | MsDivyaRajan                 |
| 147 |    | 1NH16EC417 | Padmini              |  |                              |
| 148 |    | 1NH16EC415 | Namitha Reddy        |  |                              |
| 149 | 52 | 1NH16EC427 | Shashi Kumar         | Vision based advanced home security system                                   | MsDharmambal                 |
| 150 |    | 1NH13EC138 | Ramya D              |  |                              |

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|-----|----|------------|---------------------|--|------------------|
| 151 | 53 | 1NH15EC017 | Deepika S           | Digit recognition using convolutional neural networks  | Ms Priyamvada    |
| 152 |    | 1NH15EC037 | Karthik V           |  |                  |
| 153 |    | 1NH15EC039 | Keerthi UM          |  |                  |
| 154 | 54 | 1NH15EC028 | Hemanth Kumar B R   | Object recognition with deep learning and image processing using Matlab  | Ms Sushmitha     |
| 155 |    | 1NH15EC016 | Deepak S            |  |                  |
| 156 |    | 1NH15EC014 | Chandrashekhar K R  |  |                  |
| 157 | 55 | 1NH15EC107 | Sneha P             | Simulation of basic RADAR model for pulse Doppler mode of operation with effect of different environmental parameters on RADAR detection quality | Mr Karthik       |
| 158 |    | 1NH15EC082 | Rushali Raina       |  |                  |
| 159 |    |            | SamarpanChakraborty |  |                  |
| 160 | 56 | 1NH15EC006 | Akshitha K S        | Design of Microstrip antenna for 5G applications   | Ms Ishani Mishra |
| 161 |    | 1NH15EC032 | Jayanth S           |  |                  |
| 162 |    | 1NH15EC011 | Swathi R            |  |                  |
| 163 | 57 | 1NH15EC052 | Monika.A.Reddy      | High protection voice identification based bank locker security with live vide   | Ms Monika Gupta  |
| 164 |    | 1NH15EC052 | Archana.M           |  |                  |
| 165 |    | 1NH14EC037 | Geetha.M            |  |                  |
| 166 | 58 | 1NH15EC011 | BhavanaSavanth      | Lake water monitoring system   | Dr Mohan         |
| 167 |    | 1NH15EC741 | SanjanaRanjan       |  |                  |
| 168 |    | 1NH15EC102 | Shubha A            |  |                  |
| 169 | 59 | 1NH15EC010 | Aparna M.           | Smart accident prevention and detection system   | Dr Mohan         |
| 170 |    | 1NH15EC110 | Soundarya B K       |  |                  |
| 171 |    | 1NH15EC04  | Laxmisah            |  |                  |
| 172 | 60 | 1NH15EC077 | Radhakrishna C      | Extraction of ROI using wavelet based transition method  | Ms Jayanthi      |
| 173 |    | 1NH15EC118 | TarunGowda S M      |  |                  |
| 174 |    | 1NH16EC422 | Ramesh Biroji       |  |                  |
| 175 | 61 | 1NH15EC743 | Sharath C R         | Pollution monitoring with detection of violation of traffic rules  | Ms Jayanthi      |
| 176 |    | 1NH15EC744 | Shivaprasad H S     |  |                  |
| 177 |    | 1NH15EC750 | SnehithGowda        |  |                  |
| 178 | 62 | 1NH15EC040 | Kesav S             | Traffic signal automation for Ambulances   | Dr Shreesha      |
| 179 |    | 1NH15EC130 | KalikiPoojasri      |  |                  |
| 180 |    | 1NH15EC703 | Ashwin Reddy        |  |                  |

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|-----|----|------------|-------------------------------|---|---------------------------------|
| 181 | 63 | 1NH15EC755 | Syed zalidulla                | Solider Health Monitoring System  | Mr Arvinda K                    |
| 182 |    | 1NH15EC714 | JishmaAsmi V                  |   |                                 |
| 183 | 64 | 1NH15EC113 | Subramanya G                  | PVT scaling Techniques/ methodology   | Dr Sanjeev Sharma /<br>Ms Neetu |
| 184 |    | 1NH15EC035 | Amurtha                       |   |                                 |
| 185 |    | 1NH15EC053 | Monisha                       |   |                                 |
| 186 |    | 1NH15EC060 | Naveen K R                    |   |                                 |
| 187 | 65 | 1NH15EC096 | Sharath.N                     | Low cost home automation system   | Mr Aravinda K                   |
| 188 |    | 1NH15EC094 | Satish.J                      |   |                                 |
| 189 |    | 1NH15EC134 | Manoj Kumar.K                 |   |                                 |
| 190 | 66 | 1NH16EC428 | Sowmya                        | Voice controlled Arduino based Robot  | Dr PiruthviRaj                  |
| 191 |    | 1NH14EC723 | Nithya.v                      |   |                                 |
| 192 | 67 | 1NH13EC729 | Mohammed sabah M              | Long Range Wireless self-powered environmental monitoring system for smart cities | Ms Sujitha                      |
| 193 |    | 1NH16EC420 | Naveen P                      |   |                                 |
| 194 | 68 | 1NH15EC742 | SavitaShivanandPatil          | Car black box based on Embedded system  | Ms Rama                         |
| 195 |    | 1NH15EC702 | Anusha R                      |   |                                 |
| 196 |    | 1NH15EC716 | Megha N                       |   |                                 |
| 197 | 69 | 1NH15EC722 | Pavithra R                    | ARM based car parking system with RFID and IR sensors                             | Mr Ashutoush                    |
| 198 |    | 1NH15EC731 | Rakshitha L                   |   |                                 |
| 199 | 70 | 1NH15EC108 | Sneha S                       | Fast implementation of Fractal Image Compression on FPGA                          | Mr Karthik                      |
| 200 |    | 1N15EC119  | Thanuja A                     |   |                                 |
| 201 |    | 1NH15E112  | SreeRenukakshita J M          |   |                                 |
| 202 | 71 | 1NH16EC429 | Ullas M S                     | IoT based smart locker system for enterprise                                      | Ms Lipsa Dash                   |
| 203 |    | 1NH16EC425 | Sachin B S.                   |   |                                 |
| 204 | 72 | 1NH15EC708 | Ekta Shukla                   | Bidirectional visitors counter device with remote database integration            | Dr Sanjeev Sharma/Ms Maheshwari |
| 205 |    | 1NH15EC740 | Kriethika S                   |   |                                 |
| 206 |    | 1NH15EC745 | ShivaniKumari                 |   |                                 |
| 207 | 73 | 1NH15EC044 | KalyankumarYadav              | Optic disk localization in Retinal Images based on cumulative Sum fields          | Mr.Bhimasen K                   |
| 208 |    | 1NH15EC095 | ShaikSohail                   |   |                                 |
| 209 |    | 1NH15EC055 | Nagabhirukushivanthi Chowdary |   |                                 |
| 210 | 74 | 1NH16EC406 | Kushal D Pravarada            | Spy mobile monitoring system  | Dr.Reema Sharma                 |
| 211 |    | 1NH16EC414 | Muralidhara                   |   |                                 |
| 212 |    | 1NH16EC402 | Harshavardhan R               |   |                                 |