

## M.Tech. Thesis

| Sr. No.                           | Title of Thesis                                                                         | Discipline                 | Name of Student & Registration Number | Year of Passing Submission | Name of Guide       | Degree for which it was submitted |
|-----------------------------------|-----------------------------------------------------------------------------------------|----------------------------|---------------------------------------|----------------------------|---------------------|-----------------------------------|
| <b>Soil and Water Engineering</b> |                                                                                         |                            |                                       |                            |                     |                                   |
| 1                                 | Study on Artificial Ground water Recharge Through Dugwells.                             | Soil and Water Engineering | Patel Naranbhai P.<br>4-3335-94       | July- 1997                 | Prof. R.B. Maravia  | M.Tech (Agril. Engg.)<br>S.W.E.   |
| 2                                 | Studies on Application Efficiency in Border Irrigation                                  | Soil and Water Engineering | Pavan Kumar Singh 4-3336-94           | July- 1997                 | Dr. B. Anjaneyulu   | M.Tech (Agril. Engg.)<br>S.W.E.   |
| 3                                 | Studies on Application Efficiency of Borders Irrigated in Segments.                     | Soil and Water Engineering | Patel Kamleshkumar C.<br>4-3345-94    | Feb.- 1998                 | Dr. N.K. Gontia     | M.Tech (Agril. Engg.)<br>S.W.E.   |
| 4                                 | Studies on Optimum Application Rate in Drip Irrigation.                                 | Soil and Water Engineering | Vadar Hardas R.<br>4-3793-95          | Apr-98                     | Dr. B. Anjaneyulu   | M.Tech (Agril. Engg.)<br>S.W.E.   |
| 5                                 | Irrigation Management Model For Groundnut                                               | Soil and Water Engineering | Vasara Pratap N.<br>4-3349-94         | Apr-98                     | Dr. R. Subbaiah     | M.Tech (Agril. Engg.)<br>S.W.E.   |
| 6                                 | Application Efficiency in Drip Irrigation and Check-Basin Irrigation for Groundnut Crop | Soil and Water Engineering | Mashru H.H.<br>4-3791-95              | Aug.-1998                  | Prof. R.H. Ghaghada | M.Tech (Agril. Engg.)<br>S.W.E.   |
| 7                                 | Studies on Ground Water Recharging Through Dug Well and Fitter                          | Soil and Water Engineering | Limbasia Babulal B.4-3342-94          | Mar-99                     | Prof. R.H. Ghaghada | M.Tech (Agril. Engg.)<br>S.W.E.   |

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|----|------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------|------------|---------------------|------------------------------|
| 8  | Optimum water Management Planning for Demi-II Irrigation Scheme                                      | Soil and Water Engineering | Satasiya Raiyalal M.4-3347-94      | Jul-99     | Dr. G.R. Sharma     | M.Tech (Agril. Engg.) S.W.E. |
| 9  | Studies on High Discharge Drip Irrigation System for summer Groundnut                                | Soil and Water Engineering | Vekariya Popatlal B.4-3804-95      | 13-01-2000 | Dr. N.K. Gontia     | M.Tech (Agril. Engg.) S.W.E. |
| 10 | Design of Border Method of Irrigation for Uben Command Area                                          | Soil and Water Engineering | Parmar Babuji S. 4-3857-96         | 12-05-2000 | Prof. R.B. Maravia  | M.Tech (Agril. Engg.) S.W.E. |
| 11 | Irrigation Scheduling of Wheat with Deficient Water Supplies                                         | Soil and Water Engineering | Sardhara Vasharam K. 4-3802-95     | 04-05-2001 | Dr. R. Subbaiah     | M.Tech (Agril. Engg.) S.W.E. |
| 12 | Enhancement of Groundwater through Surface water storage in Semi Arid water shed Area.               | Soil and Water Engineering | Parmar Hiteshkumar V. 04-4615-2000 | Dec.2003   | Prof. R.H. Ghaghada | M.Tech (Agril. Engg.) S.W.E. |
| 13 | Derivation of Synthetic Unit Hydrograph for Micro Watershed                                          | Soil and Water Engineering | Prajapati G.V. 04-4838-2001        | 20-08-2004 | Dr. R. Subbaiah     | M.Tech (Agril. Engg.) S.W.E. |
| 14 | Performance Evaluation of Different Irrigation Systems and Their yield potential in Summer Groundnut | Soil and Water Engineering | Patel Gautam R. 04-5233-2002       | 12-01-2005 | Prof. R.H. Ghaghada | M.Tech (Agril. Engg.) S.W.E. |
| 15 | Application of artificial neural network to disaggregation of rainfall series.                       | Soil and Water Engineering | Shashank Singh 04-05235-2002       | 30-04-2005 | Dr. R. Subbaiah     | M.Tech (Agril. Engg.) S.W.E. |

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|----|--------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------|------------|---------------------|---------------------------------|
| 16 | Evaluation of surge flow furrow irrigation system design                                                     | Soil and Water Engineering | Miss. Savaliya M.K.<br>04-05230-2002 | 06-01-2006 | Dr. R. Subbaiah     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 17 | Subsurface Irrigation through oozy pipe in summer groundnut                                                  | Soil and Water Engineering | Solia B.M.<br>04-04818-2001          | 04-04-2006 | Dr. M. Mallik       | M.Tech (Agril. Engg.)<br>S.W.E. |
| 18 | Prediction of Groundnut (Arachis hypogaea L.) yield using water use simulation approach                      | Soil and Water Engineering | Sanepara D.P.<br>04-04816-2001       | 12-04-2006 | Dr. G.R. Sharma     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 19 | Evaluation of Border Irrigation Models                                                                       | Soil and Water Engineering | Patil P.M.<br>04-05593-2003          | 06-12-2006 | Dr. R. Subbaiah     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 20 | Evaluation of watershed management project in hot arid region.                                               | Soil and Water Engineering | Tambare R.N.<br>04-5595-2003         | 30-12-2006 | Prof. R.H. Ghaghada | M.Tech (Agril. Engg.)<br>S.W.E. |
| 21 | Watershed Development and management Planning using remote sensing and GIS                                   | Soil and water Engineering | Patel R.J.<br>J4-00067-2004          | 12-03-2007 | Prof. R.H. Ghaghada | M.Tech (Agril. Engg.)<br>S.W.E. |
| 22 | Cadastral Level Agricultural Resources planning through remote sensing and GIS Techniques                    | Soil and water Engineering | Lakkad A.P.<br>J4-00064-2004         | 09-07-2007 | Dr. G.R. Sharma     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 23 | Design Development of Rainfall Simulation in Laboratory for soil and water conservation studies              | Soil and Water Engineering | Bantoo DharJ4-00147-2005             | 21-09-2007 | Dr. G.R. Sharma     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 24 | Assessment of Groundwater Recharge in Jamka Microwatershed of Saurashtra Region Using Remote Sensing and GIS | Soil and Water Engineering | Ms. Patil P.Y.<br>J4-00242-2006      | 16-02-2009 | Dr. N.K. Gontia     | M.Tech (Agril. Engg.)<br>S.W.E. |

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|----|----------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------|------------|-----------------|---------------------------------|
| 25 | Performance Evaluation of sand filters of drip irrigation system                                   | Soil and Water Engineering | Ms. Dezy Sahu<br>J4-00361-2007          | 07-12-2009 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 26 | Assessment of Local Head Losses in Drip Irrigation Laterals                                        | Soil and Water Engineering | Ms. Dhole Prachi N.<br>J4-00362-2007    | 09-02-2010 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |
| 27 | Evaluation of Hydraulic Performamce of Porous Pipe Irrigation                                      | Soil and Water Engineering | Ms. Gangurde Nutan K.<br>J4-00365-2008  | 27-10-2010 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 28 | Response of Wheat (Triticum aestivium L.) Under Irrigation Strategies                              | Soil and Water Engineering | Ms. Jayswal Priti<br>S.J4-00367-2010    | 27-10-2010 | Dr. G.R. Sharma | M.Tech (Agril. Engg.)<br>S.W.E. |
| 29 | Study on Rainfall & Evapotraspiration for corp planning in Rainfed Areas of Rajkot District        | Soil and Water Engineering | Ms. Naik Nilam R., J4-00368-2008        | 30-10-2010 | Dr. G.R. Sharma | M.Tech (Agril. Engg.)<br>S.W.E. |
| 30 | Ground Water Balance Studies in Meghal River basin of Saurashtra Region Using Remote Sensing & GIS | Soil and Water Engineering | Ms. Rathod Prajakta P.<br>J4-00370-2008 | 30-10-2010 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |
| 31 | Summer Sesame Response to Irrigation Level Under Drip and Mulch                                    | Soil and Water Engineering | Tejral Yadav<br>J4-00372-2008           | 05-02-2011 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 32 | Micro Level land and Water Management Planning using remote sensing and GIS                        | Soil and Water Engineering | Hardeep Kumar<br>J4-00555-2009          | 29-09-2011 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |

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|----|-------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------|------------|-----------------|---------------------------------|
| 33 | Summer Sesame Response to Irrigation Methods and Mulching                                                   | Soil and Water Engineering | Pandya Parthsarathi A.<br>J4-00556-2009         | 04-11-2011 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 34 | Assessment of Geomorphological characteristics of shetrunji river basin using remote sensing and GIS        | Soil and Water Engineering | Wandre Sarika Santu<br>J4-00786-2010            | 22-08-2012 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 35 | Summer Sesame response to moisture and thermal regimes                                                      | Soil and Water Engineering | Sondarva Ketankumar Nagjibhai<br>J4-00781-2010  | 26-09-2012 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 36 | Impact of Climate Change on Groundwater Recharge in Shetrunji basin                                         | Soil and Water Engineering | Paradava Dhavalkumar Merambhai<br>J4-00778-2010 | 02-10-2012 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 37 | Conjugate Impact of Irrigation Regimes and System configurations on Productivity of Banana                  | Soil and Water Engineering | Ram Bhavin Devabhai<br>J4-00779-2010            | 01-03-2013 | Dr. R. Subbaiah | M.Tech (Agril. Engg.)<br>S.W.E. |
| 38 | Hydraulic performance Evaluation of Mini Sprinkler System                                                   | Soil and Water Engineering | Dwivedi Dhalval Kirankumar<br>J4-00765-2010     | 30-10-2013 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |
| 39 | Study on Application of Saline Water Through drip Irrigation and Catalytic water conditioner in Sodic Soils | Soil and Water Engineering | Kapadia Jatin Vasantbhai<br>J4-00773-2010       | 23-12-2013 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |

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| 40 | Conjugate Assessment of Drip System Configuration and Irrigation Regimes on Productivity of cumin    | Soil and Water Engineering | Kunapara Arvind Nathabhai<br>J4-00935-2011    | 30-12-2013 | Dr. R. Subbaiah | M.Tech (Agril. Engg.)<br>S.W.E. |
| 41 | Impact of Climate change on Groundwater Recharge in Bhadar Basin                                     | Soil and Water Engineering | Kelaiya Jainish Himanshubhai<br>J4-00933-2011 | 04-01-2014 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 42 | Crop Planning and Management Based on Rainfall and Evapotranspiration in Rainfed Agriculture         | Soil and Water Engineering | Gohil Harpalsinh Jagubha<br>J4-00930-2011     | 11-03-2014 | Dr. G.R. Sharma | M.Tech (Agril. Engg.)<br>S.W.E. |
| 43 | Ground Water Assessment and Utilization in Machhu River Basin Using Remote Sensing and GIS           | Soil and Water Engineering | Evance Dalitso Chaima<br>J4-00995-2012        | 20-06-2014 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |
| 44 | An Assessment of Surface and Groundwater Resources of Ozat River Basin Using Remote Sensing and GIS  | Soil and Water Engineering | Paghadal Ajay Maganlal<br>J4-01004-2012       | 23-12-2014 | Dr. H.D. Rank   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 45 | Response of Okra to Drip Fertigation system                                                          | Soil and Water Engineering | Makwana Piyushkumar Jinabhai<br>J4-01001-2012 | 23-03-2015 | Dr. N.K. Gontia | M.Tech (Agril. Engg.)<br>S.W.E. |
| 46 | Decision Support System for Estimating Reference Evapotranspiration with limited Meteorological data | Soil and Water Engineering | Vyas Khyatiben Narendrakumar<br>J4-01009-2012 | 25-05-2015 | Dr. R. Subbaiah | M.Tech (Agril. Engg.)<br>S.W.E. |

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|----|-------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------|------------|-------------------|---------------------------------|
| 47 | Simulating Sprinkler Distribution Pattern in Windy Condition Using Artificial Neural Network    | Soil and Water Engineering | Ram Vaibhavkumar Maldebhai<br>J4-01249-2013    | 27-08-2015 | Dr. N.K. Gontia   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 48 | An Assessment of Water Balances for Aji Basin Using Swat Model                                  | Soil and Water Engineering | Vithlani Nipa Sunilbhai<br>J4-01254-2013       | 19-08-2015 | Dr. H.D. Rank     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 49 | Development of Time Series Simulation Model for Reference Crop Evapotranspiration               | Soil and Water Engineering | Damor Piyushkumar Adesinh<br>J4-00764-2010     | 31-08-2015 | Dr. G.R. Sharma   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 50 | Climate Change Impact Assessment on Water Resources System of Jamnagar District                 | Soil and Water Engineering | Ms. Bhatu Hinaben Marakhi<br>J4-01236-2013     | 28-10-2015 | Dr. H.D. Rank     | M.Tech.(Agril.Engg.),<br>S.W.E. |
| 51 | Differential Salinity Response Function of Groundnut                                            | Soil and Water Engineering | Ms. Pandya Shradhdhaben M.,<br>J4-01246-2014   | 03-12-2015 | Dr. R. Subbaiah   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 52 | Rainfall Forecasting in Narmada Basin of Gujarat (India) by Artificial Neural Network Technique | Soil and Water Engineering | Chavda Jaypalsinh Mahobatsinh<br>J4-01237-2013 | 19-04-2016 | Dr. G.R. Sharma   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 53 | Response of Mulched Watermelon (Citrullus Lanatus) to Drip Fertigation                          | Soil and Water Engineering | Tank Uttam Hareishbhai<br>J4-01253-2013        | 21-07-2016 | Dr. R.M. Satasiya | M.Tech (Agril. Engg.)<br>S.W.E. |

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| 54 | Effect of Mulch and Irrigation Level on Bunch Type Summer Groundnut (Arachis Hypogaea L.)                    | Soil and Water Engineering | Satasiya Vivekkumar Dayabhai J4-01532-2014 | 22-07-2016 | Dr. R.M. Satasiya   | M.Tech (Agril. Engg.) S.W.E. |
| 55 | Fertigation Through Drip Irrigation in Coriander Crop                                                        | Soil and Water Engineering | Kotak Megha Narendrabhai J4-01523-2014     | 30-09-2016 | Prof. P.B. Vekariya | M.Tech (Agril. Engg.) S.W.E. |
| 56 | Conjugate Assessment of Drip Irrigation System Configuration and Irrigation Regimes on Productivity of Wheat | Soil and Water Engineering | Dangar Divyesh Menandbhai J4-01516-2014    | 30-09-2016 | Prof. H.H. Mashru   | M.Tech (Agril. Engg.) S.W.E. |
| 57 | Simulating the Hydrologic Response of Watershed to Climate                                                   | Soil and Water Engineering | Savani Falguni Kalubhai J4-01533-2014      | 30-09-2016 | Dr. H.D. Rank       | M.Tech (Agril. Engg.) S.W.E. |
| 58 | Combined Influence of Slope and Crop on Runoff and Soil Loss Under Natural Rainfall Condition                | Soil and Water Engineering | Savaliya Kevin Vithalbhai J4-01252-2013    | 19-11-2016 | Prof. P.B. Vekariya | M.Tech (Agril. Engg.) S.W.E. |
| 59 | Response of Drip Irrigated Muskmelon (Cucumis melo) under different Plastic Mulch and Irrigation Level       | Soil and Water Engineering | Adroja Ankur Jagdishbhai 2050215001        | 04-09-2017 | Dr. R.M. Satasiya   | M.Tech.(Agril.Engg.), S.W.E. |
| 60 | Irrigation Scheduling of Fennel (Foeniculum vulgare Mill.) Under Trickle Irrigation                          | Soil and Water Engineering | Patel Gopalkumar Mansukhbhai 2050215009    | 08-09-2017 | Dr. H.R. Vadar      | M.Tech.(Agril.Engg.), S.W.E. |



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|----|-----------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------|------------|---------------------|------------------------------|
| 61 | Irrigation Scheduling of Coriander ( <i>Coriandrum sativum</i> L.) Under Trickle Irrigation                     | Soil and Water Engineering | Pithiya Bhaveshkumar Hamirbhai J4-01531-2014 | 25-09-2017 | Dr. R. Subbaiah     | M.Tech.(Agril.Engg.), S.W.E. |
| 62 | Effect of Different Cropping Pattern On Runoff and Soil Loss For Junagadh Region                                | Soil and Water Engineering | Oza Kunal Prakashbhai J4-01528-2014          | 18-01-2018 | Dr. G.R. Sharma     | M.Tech.(Agril.Engg.), S.W.E. |
| 63 | Sweet Corn ( <i>Zea mays</i> L. saccharata) Crop Response to Fertigation Through Subsurface Oozing Pipe         | Soil and Water Engineering | Mamatha Prabhakar 2050216015                 | 19/06/2018 | Dr. H.D. Rank       | M.Tech.(Agril.Engg.), S.W.E. |
| 64 | Effect of Irrigation Levels and Plastic Mulch on Summer Okra ( <i>Abelmoschus esculentus</i> L. Moench.)        | Soil and Water Engineering | Sreeja K. 2050216025                         | 19/06/2018 | Dr. R.M. Satasiya   | M.Tech.(Agril.Engg.), S.W.E. |
| 65 | Brinjal ( <i>Solanum melongena</i> L.) Crop Response to Irrigation and Fertigation Levels Under Drip Irrigation | Soil and Water Engineering | Patel Sauravkumar Rajendrabhai 2050216020    | 31-08-2018 | Dr. H.D. Rank       | M.Tech.(Agril.Engg.), S.W.E. |
| 66 | Fenugreek ( <i>Trigonella foenum-graecum</i> L.) Crop Response Under Drip Irrigation System                     | Soil and Water Engineering | Kapadiya Janaki Chandulal 2050216010         | 31-08-2018 | Dr. N.K. Gontia     | M.Tech.(Agril.Engg.), S.W.E. |
| 67 | Response of Wheat ( <i>Triticum aestivum</i> L.) Under Drip Fertigation System                                  | Soil and Water Engineering | Karangiya Bhavisha Arajanbhai 2050216012     | 12-09-2018 | Prof. H.H. Mashru   | M.Tech.(Agril.Engg.), S.W.E. |
| 68 | Groundwater Recharge Using Connector Well Technique for Junagadh                                                | Soil and Water Engineering | Vadher Hemangi Mathurbhai 2050216027         | 14-09-2018 | Prof. P.B. Vekariya | M.Tech.(Agril.Engg.), S.W.E. |

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| 69 | Determination For Wheat ( <i>Triticum aestivum</i> L.) Under Different Land Configuration and Irrigation Systems | Soil and Water Engineering | Vadalia Daksh<br>Dhirajlal<br>2050216026             | 29-09-2018 | Dr. G.V.<br>Prajapati | M.Tech.(Agril.Engg.),<br>S.W.E. |
| 70 | Prediction of Stream Inflow in Machhundri Reservoir Using SWAT and ANN Models                                    | Soil and Water Engineering | Gojiya<br>Kashyapkumar<br>Maldebhai<br>2050216006    | 15-01-2019 | Dr. N.K. Gontia       | M.Tech (Agril. Engg.)<br>S.W.E. |
| 71 | Development of Smart Irrigation System based on Crop Water Requirement                                           | Soil and Water Engineering | Sadatiya<br>Yagnesh Ravaji<br>2050217018             | 26-07-2019 | Dr. R.J. Patel        | M.Tech (Agril. Engg.)<br>S.W.E. |
| 72 | Cucumber ( <i>Cucumis sativus</i> L.) Yield Response to Plastic Mulch, Irrigation Methods and Levels             | Soil and Water Engineering | Ms. Priyanka<br>Priyadarshini<br>2050217017          | 09-08-2019 | Dr. R.M.<br>Satasiya  | M.Tech.(Agril.Engg.),<br>S.W.E. |
| 73 | Development of Time Based Automatic Irrigation System for Drip                                                   | Soil and Water Engineering | Kapupara Parth<br>Jayantilal<br>2050217012           | 31-08-2019 | Dr. H.R. Vadar        | M.Tech.(Agril.Engg.),<br>S.W.E. |
| 74 | Development of Portable Closed Canopy Chamber for Evapotranspiration Measurement                                 | Soil and Water Engineering | Desai Dharmik<br>Rameshchandra<br>2050217007         | 11-09-2019 | Dr. H.D. Rank         | M.Tech (Agril. Engg.)<br>S.W.E. |
| 75 | Weekly Rainfall Analysis for Crop Planning in Junagadh District of Gujarat                                       | Soil and Water Engineering | Pappu Kumar<br>Pashwan<br>2050217015                 | 22-10-2019 | Dr. G.R.<br>Sharma    | M.Tech (Agril. Engg.)<br>S.W.E. |
| 76 | Wheat ( <i>Triticum aetivum</i> L.) Response to Drip Lateral Geometry, Irrigation Regimes and Frequency          | Soil and Water Engineering | Ms. Agravat<br>Harshaben<br>Vishnubhai<br>2050217001 | 23-10-2019 | Dr. G.V.<br>Prajapati | M.Tech (Agril. Engg.)<br>S.W.E. |

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| 77 | Estimation of Soil Moisture Using Remote Sensing                                                                                      | Soil and Water Engineering | Andhale Anil<br>Nanasaheb<br>2050217002          | 24-10-2019 | Dr. H.V. Parmar     | M.Tech (Agril. Engg.)<br>S.W.E. |
| 78 | Cotton ( <i>Gossypium hirsutum</i> L.) Crop Response to Irrigation and Fertigation                                                    | Soil and Water Engineering | Vala Harshadbhai<br>Virabhai<br>2050217026       | 03-02-2020 | Prof. V.K. Sardhara | M.Tech (Agril. Engg.)<br>S.W.E. |
| 79 | Techno-Economic Evaluation of Solar Pump Using Surface and Subsurface Drip Fertigation In Brinjal ( <i>solanum melongena</i> L.) Crop | Soil and Water Engineering | Gevariya Siddharth<br>Atulkumar<br>2050218010    | 20-10-2020 | Dr. H.D. Rank       | M.Tech (Agril. Engg.)<br>S.W.E. |
| 80 | Hydraulic Performance Evaluation Of Rain Pipe Irrigation System Under Solar Pump                                                      | Soil and Water Engineering | Kathiria Gaurav<br>Rameshbhai<br>2050218015      | 11-11-2020 | Dr. G.V. Prajapati  | M.Tech (Agril. Engg.)<br>S.W.E. |
| 81 | Protected Cultivation of Cauliflower In Off-Season                                                                                    | Soil and Water Engineering | Dobariya Sagar<br>Arvinbhai<br>2050218009        | 24-12-2020 | Dr. R.M. Satasiya   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 82 | Assessment of Groundwater Resources of Uben River Basin Using Modflow                                                                 | Soil and Water Engineering | Ms. Tank Dhara<br>Prabhudasbhai<br>2050218024    | 18-02-2021 | Prof. P.B. Vekariya | M.Tech (Agril. Engg.)<br>S.W.E. |
| 83 | Development of Automatic Ring Infiltrimeter                                                                                           | Soil and Water Engineering | Ms. Kardani Hiralben<br>Mukeshbhai<br>2050218014 | 18-02-2021 | Prof. H.H. Mashru   | M.Tech (Agril. Engg.)<br>S.W.E. |
| 84 | Crop Monitoring and Yield Estimation Using Near Surface Remote Sensing                                                                | Soil and Water Engineering | Khade Patilba<br>Ramdas<br>2050218017            | 06-09-2021 | Dr. H.V. Parmar     | M.Tech (Agril. Engg.)<br>S.W.E. |

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| 85 | Development of a Computer Based Closed-End Border Irrigation System Design for Small and Medium Farm Holdings | Soil and Water Engineering | Zalavadiya Umangkumar Bharatbhai 2050219022 | 21-09-2021 | Dr. H.R. Vadar      | M.Tech (Agril. Engg.) S.W.E.  |
| 86 | Mapping of Groundwater Recharge Potential Zones of Ozat River Basin                                           | Soil and Water Engineering | Rakshit Nileshkumar Vasoya 2050219014       | 22-10-2021 | Prof. P.B. Vekariya | M.Tech (Agril. Engg.) S.W.E.  |
| 87 | Assesment of Flood Risk Vulnerability of Vishwamitri River Basin Using Remote Sensing and GIS                 | Soil and Water Engineering | Patel Charmiben Atulkumar 2050219012        | 08-04-2022 | Prof. V.K. Sardhara | M.Tech. (Agril. Engg.) S.W.E. |
| 88 | Identification of Groundwater Recharge Potential Zones of Bhadar River Basin                                  | Soil and Water Engineering | Namrata Sankhla 2050220012                  | 03-10-2022 | Prof. P.B. Vekariya | M.Tech. (Agril. Engg.) S.W.E. |
| 89 | Assessment and Mapping of Soil Salinity Using Remote Sensing and GIS for Mangrol-Una Coastal Belt             | Soil and Water Engineering | Kaivalya Bhandwalkar 2050221009             | 29-12-2023 | Dr. G.V. Prajapati  | M.Tech. (Agril. Engg.) S.W.E. |
| 90 | Demarcation of Potential Groundwater Recharge Zones of Aji River Basin                                        | Soil and Water Engineering | Akansha Ghritesh 2050221006                 | 12-01-2024 | Prof. P.B. Vekariya | M.Tech. (Agril. Engg.) S.W.E. |
| 91 | Mapping and Modelling of Soil Salinity Using Remote Sensing and GIS in Area of Porbandar District             | Soil and Water Engineering | Desai Naimish Mansukhbhai 2050220004        | 24-04-2024 | Dr. K.C. Patel      | M.Tech. (Agril. Engg.) S.W.E. |

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|----|------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------|------------|---------------------|------------------------------------|
| 92 | Soil Erosion Vulnerability Mapping of the Ozat River Basin Using Remote Sensing and GIS                          | Soil and Water Conservation Engineering | Dhodia Jugnuben Bhikhubhai<br>2050222006     | 09-08-2024 | Prof. H.H. Mashru   | M.Tech. (Agril. Engg.)<br>S.W.E.   |
| 93 | Analysis of Meteorological Drought Characteristics Based on Climate Change                                       | Soil and Water Conservation Engineering | Vigneshwari R.<br>2050222013                 | 28-08-2024 | Dr. K.C. Patel      | M.Tech. (Agril. Engg.)<br>S.W.C.E. |
| 94 | Development of Low Cost Soil Moisture Sensor and Smart Irrigation Controller                                     | Soil and Water Engineering              | Bagada Pravinkumar Jayantibhai<br>2050221001 | 21-10-2024 | Dr. R.J. Patel      | M.Tech. (Agril. Engg.)<br>S.W.C.E. |
| 95 | Estimation of Runoff Potential of Gujarat State Using Remote Sensing and GIS                                     | Soil and Water Conservation Engineering | Anjali Yadav<br>2050222008                   | 30-11-2024 | Prof. P.B. Vekariya | M.Tech. (Agril. Engg.)<br>S.W.C.E. |
| 96 | Application of Remote Sensing for Estimation of Leaf Area Index and Plant Nitrogen for Crop Monitoring           | Soil and Water Conservation Engineering | Ayush Ranjan,<br>2050223005                  | 29-09-2025 | Dr. H.V. Parmar     | M.Tech. (Agril. Engg.)<br>S.W.C.E. |
| 97 | Comprehensive Statistical Analysis of Rainfall Trends for Crop Planning Strategies In Amreli District of Gujarat | Soil and Water Conservation Engineering | Anshul Pal,<br>2050223006                    | 26-09-2025 | Dr. R.J. Patel      | M.Tech. (Agril. Engg.)<br>S.W.C.E. |