



## ***List of Experimental Projects***

<b>Sl. No.</b>	<b>Title</b>	<b>Year</b>
T1	ESTIMATION OF HYDROLOGIC RESPONSE OF CHAUKHUTIA WATERSHED BY UNIT HYDROGRAPH	2011
T2	ENERGY USE PATTERN UNDER RICE CULTIVATION IN DHAMTARI AND JANGIR CHAMPA DISTRICTS OF CHHATTISHGARH	2011
T3	PARAMETERIZATION OF SANGHARI NALA WATERSHED FOR PREPARATION OF DEVELOPMENT PLAN	2011
T4	TESTING AND EVALUATION OF ANIMAL DRAWN MPT SEED CUM FERTILIZER DRILL	2011
T5	ANALYSIS OF STORAGE CAPACITY AND WATER QUALITY OF EXISTING FARM PONDS IN THE WATERSHED	2011
T6	ENERGY USE PATTERN UNDER SOYABEAN CULTIVATION IN KAWARDHA DISTRICTS OF CHHATTISHGARH	2011
T7	PERFORMANCE EVALUATION OF PUDDLERS AND WEEDERS FOR SYSTEM OF RICE INTENSIFICATION (SRI)	2011
T8	SIMULATION OF DESIGN FLOOD HYDROGRAPHS BY DIMENSIONLESS UNIT HYDROGRAPH FOR BINO WATERSHED	2011
T9	LAND USE/ COVER CLASSIFICATION FROM A SATELLITE IMAGERY USING "ENVI"	2011
T10	FEASIBILITY TESTING OF ANMAL DRAWN ROTARY TRANSMISSION SYSTEM TO ELECTRICITY GENERATION FOR BATTERY CHARGING	2011
T11	DESIGNING AND COST ESTIMATION OF RUNOFF OBSERVATION POST	2011
T12	IN PLANT TRAINING REPORT	2012
T13	IN PLANT TRAINING REPORT	2012
T14	DEVELOPMENT OF LAND AND WATER RESOURCES PLAN FOR CAET, MUNGELI FARM	2013
T15	DETERMINATION OF SEDIMENT YIELD AND WATER QUALITY PARAMETER OF AN AGRICULTURAL WATERSHED	2013
T16	COMPARATIVE PERFORMANCE OF DIFFERENT TYPES OF WEEDER FOR WETLAND RICE	2013
T17	PERFORMANCE EVALUATION OF TRACTOR OPERATED PNEUMATIC PLANNER FOR SELECTED BOLDER SEEDS	2013
T18	ARTIFICIAL NEURAL NETWORK BASED MODELLING OF EVAPORATION LOSSES	2013
T19	DEVELOPMENT OF SOIL BIN FOR MODEL STUDIES ON FURROW OPENERS	2013
T20	ENERGY USE AND COST ANALYSIS UNDER RICE TRANSPLANTING	2013



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T21	DESIGN AND DEVELOPMENT OF POWER OPERATED ROTARY WEEDER FOR RICE	2013
T22	A STUDY ON INDIGENEOUS TECHNICAL KNOWLEDGE ABOUT SOIL AND WATER CONSERVATION IN CHHATTISGARH	2013
T23	PERFORMANCE EVALUATION OF MODIFIED BIASI PLOUGH FORHE- BUFFALO	2014
T24	DEVELOPMENT OF AUTOMATIC METERING TEST SET UP UNIT FOR TURMERIC PLANTING	2014
T25	ENERGY USE PATTERN UNDER RICE CULTIVATION, A CASE STUDY OF DHANGAON VILLAGE OF MUNGELI DISTRICT OF CHHATISHARH	2014
T26	COMPUTATION OF CROP WATER REQUIREMENTS OF MAJOR CROPS IN DIFFERENT DISTRICTS OF CHHATTISHGARH USING CROPW AT MODEL	2014
T27	STUDY ON LAYOUT, INSTALATION AND WORKING OF AGROMETEROLOGICAL OBSERVATORY	2014
T28	STUDY ON COOKING QUALITY OF SELECTED VARIETIES OF RICE UNDER VARYING TEMPERATURE	2014
T29	RAINFALL ANALYSIS FOR AGRICULTURAL PLANNING IN BILASPUR REGION OF CHHATTISHGARH PLAIN	2014
T30	DEVELOPMENT AND EVALUATION OF NATURAL CIRCULATING SOLAR DRYER	2014
T31	STUDY ON THE ENERGY UTILIZATION PATTERN IN AN EXISTING RICE MILL PRESENT IN MUNGELI DISTRICT	2013
T32	GREEN SYNTHESIS OF BIODIESEL FROM JATROPHA OIL AND COMPARATIVE STUDY OF BIODIESEL, SYSNTHESIZED FROM TRADITIONAL AND GREEN SYNTHESIS METHOD	2014
T33	DEVELOPMENT OF DISTRIBUTION HYHROGRAPH FOR PREDICTION OF DIRECT RUNOFF FROM BINO WATERSHED	2014
T34	HAND ANTHROPOMETRY SURVEY OF FEMALE AGRICULTURAL WORKERS FOR DESIGN OF GENDER FRIENDLY EQUIPMENTS	2014
T35	DESIGN MODIFICATION OF EXIXTING ANIMAL, DRAWN MANURE SPREADER	2014
T36	STUDY ON LAYOUT, PLANNING, EXECUTION AND PARAMETERIZATION OF SOLAR PHOTOVALTAIC 100 KWP POWER PLANT	2014
T37	ANALYSIS OF RAINFALL DISTRIBUTION PATTERN IN RAIPUR REGION OF CHATTISGARH PLAIN	2015
T38	PHYSICO-CHAMICAL ANALYSIS OF GROUND WATER AND WASTE WATER TAKEN FROM DIFFERENT AREAS OF MUNGELI	2015
T39	DESIGN AND DEVELOPMENT OF MANUAL BIOMASS BRIQUETTING MACHINE	2015
T40	COMPARATIVE PERFORMANCE EVALUATION OF DIFFERENT PLOUGHS USED FOR BIASI OPERATION	2015



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T41	STUDY PARAMETERIZATION AND WATER QUALITY ANALYSIS OF VILLAGE PONDS IN MUNGELI DISTRICT	2015
T42	MODIFICATION IN THE EXISTING BHORAMDEV SEED DRILL FOR REDUCING HU8MAN DURDGERY	2015
T43	PLANNING, DESIGNING AND COST ESTIMATION FOR ROOF TOP WATER HARVESTING SYSTEM	2015
T44	PROBABILITY ANALYSIS OF RAINFALL FOR AGRICULTURAL PLANNING IN BILASPUR REGION OF CHHATTISHGARH PLAIN	2015
T45	PAINFALL VARIATIONS AND DROUGHT PATTERN IN DIFFERENT DISTRICTS OF CHHATTISHGARH	2015
T46	DETERMINATION OF SHAPE OF DIFFERENT VARIETIES OF PADDY BY PROJECTION METHOD	2015
T47	DESIGN AND DEVELOPMENT OF A MULTIPLE POWERED KANPSACK SPRAYER	2015
T48	CHARACTERISTION OF IRRIGATION WATER QUALITY OF MANIY ARI DAM AT MUNGELI DISTRICT	2016
T49	STATUS AND SCOPE OF RENEWWABLE ENERGY IN MUNGELI DISTRICT OF CHHATISHGARH	2016
T50	FABRICATION OF SOLAR OPERATED BIDIRECTIONAL GRASS CUTTER WITH HANDLE & CUTTER WITH HANDLE & CUTTING DEPTH ADJUSTMENT	2016
T51	ESTIMATION OF INFILTRATION RATE OF SOIL UNDER DIFFERENT SOIL CONDITION OF SELECTED SITE OF MUNGELI, CHHATTIASGARH	2016
T52	DEVELOPMENT OF A HORIZONTAL MOWER BY MODIFYING THE EXISTING POWER WEEDER	2016
T53	RAINFALL ANALYSIS FOR INVESTIGATON OF DROUGHT AT MUNGELI OF CHHATTISGARH PLAIN	2017
T54	COMPERETIVE PERFORMANCE EVALUATION OF DIFFERENT POWER WEEDERS AVAIABLE IN INDIAN MARKET	2017
T55	DESIGN AND FABRICATION OF DOUBLE WHEEL HOE	2017
T56	DEVELOPMENT OF CUSTARD APPLE GRADER	2017
T57	STUDY OF RAINFALL PROBABILITY DISTRIBUTION IN THREE AGRO-CLIMATE ZONE OF CHHATISGARH USING MARKOV CHAIN MODEL	2017



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T58	STRESS AND DEFORMATION ANALYSIS OF INDIGENOUS PLOUGH USING FINIT ELEMENT METHOD	2017
T59	PREPRATION OF BIO- FERTILIZER BY USING KITCHEN WASTE, BIOMASS AND LIQUID BIOMASS AND STUDY ITS APPLICATION ON CROPS	2017
T60	PERFORMANCE EALUATION OF CUSTERD APPLE DESEEDING MACHINE & STUDY ABOUT SHELF LIFE OF CUSTERD APPLE PULP	2017
T61	EXTRACTION OF GUM FORM BABUL TREE (ACACIA NILOTICA) AND STUIES ON THEIR CHEMICAL & PHYSICAL PROPERTIES	2018
T62	A LEMON CELL FOR LOW POWER ALLICATION	2018
T63	INVESTIGATION OF GRAM HUSK AS A SOURCE OF FULE USING PYROLYSIS	2018
T64	DESIGN AND FABRICATION OF MULTICROP WEEDER	2018
T65	PERFORMANCE EVALUATION OF DIFFERENT AGRICULTURAL SPRAYER NOZZLES USING HORIZONTAL SPRAY PATTERN TOR	2018
T66	SOIL MOISTURE MONITORING SYSTEM	2018
T67	AN EXPERIMENTAL STUDY OF ENGINEERING PROPERTIES OF BLACK COTTON SOIL USING AGRICULTURAL WASTE ( CHICK PEA)	2018
T68	EXTRACTION OF NATURAL DYE & PREPRATION OF GULAL FROM BETA VULGARIS AND ASSESSMENT OF ITS DYEING PROPERTIES	2018
T69	DEVELOPMENT OF LOW TEMPERATURE PRE MILLING TECHNIQUE FOR MILLING OF PIGEON PEA IN IIPR MINI DAL MIL	2018
T70	LONG TERM SPATIO- TEMPORAL ANALYSIS OF DROUGHT IN CHHATTISGARH STATE USING STANDARIZED PERCIPITATION INDEX (SPI)	2019
T71	WATER BALANCE STUDY OVER CHAMPUA WAHERSHED USING SEMI- DISTRIBUTED SWAT MODEL	2019
T72	FOOD SPOILAGE DETECTOR SYSTEM	2023
T73	DESIGN AND DEVELOPMENT OF MANUALLY OPERATED BEASN SIEVING MACHINE	2023
T74	STUDY ON EFFECT OF RAINFALL AND LAND USE/ LAND COVER VARIABILITY OF MADAMSILLI DAM	2023
T75	ARDUINO SENSOR BASED MICRO IRRIGATION SYSTEM FOR KITCHEN GARDEN	2023





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