



**Department of Irrigation and Drainage  
Engineering**  
COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY,  
Dr. BALASAHEB SAWANT KONKAN KRISHI VIDYAPEETH,  
Dapoli, Dist. : Ratnagiri-415712



## Faculty Strength:

### Academic:



Name **Prof.Dr.U.S.Kadam**  
Qualification M.Tech (A.E.) IDE, Ph.D.  
Designation Professor & Head and Director of Education, MCAER, Pune  
Experience 35 Years  
Area of Specialization Irrigation and Drainage Engg.  
Email ID uttamkadam123.uk@gmail.com



Name **Dr.R.T.Thokal**  
Qualification M.Tech(A.E.) IDE, Ph.D. (IWME)  
Designation Professor and Head (I/C) and  
Chief Scientist, AICRP-IWM, Wakawali, DBSKKV, Dapoli  
Experience 32 Years  
Area of Specialization Irrigation and Water Management Engg.  
Email ID rthokal@dbskkv.ac.in, hodide@dbskkv.ac.in



Name **Dr.P.M.Ingle**  
Qualification M.Tech (A.E.) IDE, Ph.D.  
Designation Associate Professor  
Experience 21 Years  
Area of Specialization Irrigation and Drainage Engg.  
Email ID pmingle@dbskkv.ac.in



Name **Dr.S.T.Patil**  
Qualification M.Tech (A.E.) IDE, Ph.D.  
Designation Associate Professor  
Experience 13 Years  
Area of Specialization Irrigation and Drainage Engg.  
Email ID spatil003@rediffmail.com, spatil@dbskkv.ac.in

### Technical:



Name **Er. G. G. Kadam**  
Qualification M.Tech (A.E.) IDE  
Designation Laboratory Assistant  
Experience 7 Years  
Area of Specialization Irrigation and Drainage Engg.  
Email ID ggekadam@dbskkv.ac.in, kadamgg@gmail.com

## Education:

Degree Offered	Intake Capacity	Year of Establishment
B. Tech. (Agricultural Engineering)	64	1999
M.Tech (Irrigation and Drainage Engineering)	04	2005
Ph.D (Irrigation and Drainage Engineering)	02	2009

## Courses Offered:

### Bachelor's Degree Programme

As per V Dean's Committee Report, ICAR, New Delhi

### Courses offered by Department of Irrigation and Drainage Engineering in Odd Semester

S.N.	Semester	Course No.	Course Title	Credits
1.	III (New)	IDE 231	Fluid Mechanics and Open Channel Hydraulics	3(2 +1)
2.	V (New )	IDE 353	Groundwater, Wells and Pumps	3(2 +1)
3.		IDE 354	Drainage Engineering	3(2 +1)
4.	VII (New)	GAE-473 <sup>@</sup>	10 weeks Industrial Attachment/Internship	10 (0+10)
5.		GAE-474 <sup>@</sup>	10 weeks Experiential Learning On campus	10 (0+10)
6.		GAE-IDE-477-1	Planning, design and installation of pressurized irrigation systems	10 (0+10)
7.		GAE-IDE-477-2	Maintenance and Management of Pressurized Irrigation Systems	10 (0+10)
8.		GAE-IDE-477-3	Cropping pattern and irrigation management in canal command for major/minor/medium irrigation projects	10 (0+10)
9.		GAE-IDE-477-4	Irrigation and Nutrient Management in Greenhouse	10 (0+10)
10.		GAE-IDE-477-5	Vegetable cultivation/hydroponic and pot culture/Floriculture and hi-tech nursery cultivation under protective cover	10 (0+10)

<sup>@</sup> Student READY Programme

### Courses offered by Department of Irrigation and Drainage Engineering in Even Semester

S.N.	Semester	Course No.	Course Title	Credits
1.	IV (New )	IDE 242	Irrigation Engineering	3(2 +1)
2.		GAE-241 <sup>@</sup>	In-Plant Training-I (4 week duration) to be implemented during semester break after IV Semester	5 (0+5)
3.	VI (New )	IDE 365	Canal Irrigation Management	2(1 +1)
4.		IDE 366	Sprinkler and Micro Irrigation Systems	2(1 +1)
5.		GAE-362 <sup>@</sup>	In-Plant Training-II (4 week duration) to be implemented during semester break after IV Semester	5 (0+5)
6.	VIII (New)	ELE-IDE- 481	Minor Irrigation and Command Area Development	3(2+1)
7.		ELE-IDE- 482	Geo-informatics for land and water management	3(2+1)
8.		ELE-IDE- 483	Lift irrigation system design and management	3(2+1)
9.		ELE-IDE- 484	Environmental Engineering	3(2+1)
10.		ELE-IDE- 485	Landscape irrigation design and management	3(2+1)
11.		GAE-486 <sup>@</sup>	12 Weeks Project Planning and Report Writing	10 (0+10)

**PG & Ph.D. Degree Programme**  
**As per BSMA Committee Report, ICAR, New Delhi**  
**Courses offered by Department of Irrigation and Drainage Engineering**

M.Tech (Irrigation and Drainage Engineering)	<ul style="list-style-type: none"> <li>• IDE-501 (Design of Surface Irrigation Systems)</li> <li>• IDE-502* (Design of Farm Drainage System)</li> <li>• IDE-503 (Command Area Management)</li> <li>• IDE-504 (Water and Nutrient Management under Protected Cultivation)</li> <li>• IDE 505* (Design of Drip and Sprinkler Irrigation Systems)</li> <li>• IDE-506* (Ground Water Engineering)</li> <li>• IDE-507 (Remote Sensing and GIS for Land &amp; Water Resources Management)</li> <li>• IDE-508 (Waste Water Management and Utilization in Agriculture)</li> <li>• IDE – 509 (Water Conveyance and Distribution)</li> <li>• IDE-510 (Minor Irrigation)</li> <li>• IDE -511 (Design of Pumps for Irrigation and Drainage)</li> <li>• IDE – 512 (Crop Environmental Engineering)</li> <li>• IDE – 513 (Water Resources Systems Engineering)</li> <li>• IDE – 514 (Irrigation Economics, Planning and Management)</li> <li>• IDE – 515 (Sensing and Automation in Irrigation Systems)</li> </ul>
Ph.D (Irrigation and Drainage Engineering)	<ul style="list-style-type: none"> <li>• IDE 601* (Recent Developments in Irrigation Engineering)</li> <li>• IDE 602* (Advances in Drainage Engineering)</li> <li>• IDE 603 (Hydro-Mechanics and Ground Water Modeling)</li> <li>• IDE 604 (Soil-Water-Plant-Atmospheric Modelling)</li> <li>• IDE-605 (Plant Growth Modeling and Simulation)</li> <li>• IDE 606 (Multi Criteria Decision Making System)</li> </ul>

**\*Compulsory courses**

**Training Imparted:**

Sr. No.	Training	Title	Year
1.	Technical Session in the Suvarna Palavi Mahotsav, Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli	Micro-Irrigation Technology	14 <sup>th</sup> May, 2022
2.	Irrigation site study and visit for Group 'A' Probationary Officers of Central Water Engineering Services (CWES)	Irrigation site study and visit	22 <sup>nd</sup> - 23 <sup>rd</sup> June, 2023
3.	Lecture to farmers on under Sindhu Ratna Scheme at Swaminathan Hall, DBSKKV in	irrigation to mango crops	September, 2023

**PG & Ph.D Student Research Projects:**

<b>M.Tech (Irrigation and Drainage Engineering)</b>				
Sr. No.	Name of Candidate	Title of thesis	Year of submission	Name of the Guide/CO-guide
1	Ms. Fulari Puja Shivaji (ENDPM-2021/219)	Design and Development of Cost-Effective Walk-in Tunnel in Konkan Region for Cultivation of Selective Vegetables in Monsoon Season	2023	Dr. U. S. Kadam

2	Mr. Mhatre Raj Satish (ENDPM-2021/201)	Design and Development of Cost-Effective Automatic Fertigation Device	2023	Dr. S. T. Patil
3	Mr. Bhagwat Shrikant Mahadev (ENDPM/2021/200)	Influence of Different Levels of Irrigation and Fertigation on Growth and Yield of Strawberry ( <i>Fragaria ananassa</i> )	2023	Dr. P. M. Ingle
4	Ms. Karande Sonal Popat (ENDPM-2021/199)	Performance Evaluation of Commercially Available Different Media on Vegetable Production in Pot Culture	2023	Dr. U. S. Kadam
5	Ms. More Bhagyashri Ankush (ENDPM-2021/198)	Design and Development of Cost Effective Technology for Purification of Sea / Salty Water into Irrigable Water	2023	Dr. U. S. Kadam
6	Ms. Sukave Pranali Pandurang (ENDPM-2020/190)	Studies on Irrigation Based Community Development through Community Irrigation Scheme : A Case Study of Khanapur Village, Ajara Tehsil, Kolhapur District Maharashtra	2022	Dr. U. S. Kadam
7	Mr. Pawar Sunil Bhagwan (ENDPM-2020/189)	To Study the Climate Change and it's Impact on Precipitation and Productivity : A Case Study of Dapoli Tehsil, Dist. Ratnagiri	2022	Dr. P. M. Ingle
8	Ms. Lad Pooja Dilip (ENDPM-2020/188)	Studies on Groundwater Contamination by Different Sources : case of Kundal Village in Palus Tehsil of District Sangli	2022	Dr. S. T. Patil
9	Mr. Hake Kunal Suresh (ENDPM-2020/187)	The Performance Evaluation of Water User Association : A Case Study of Shree Datta Water User Association, Mirewadi	2022	Dr. U. S. Kadam
10	Mr. Rushikesh Nitin Sonawane (ENDPM-2019/164)	Design and development of cost-effective environmental control system for protective cultivation with GSM	2021	Dr. U. S. Kadam
11	Mr. Ajay Dhondiba Rathod (ENDPM-2019/163)	Effect of different irrigation levels through drip irrigation coupled with mulch on growth and yield of Carrot ( <i>Daucus Carota L.</i> )	2021	Dr.P.M.Ingle
12	Ms. Nita Subhash Mapari (ENDPM-2019/162)	Effect of different irrigation and fertigation levels through drip irrigation coupled with mulch on growth and yield of Broccoli ( <i>Brassica Oleracea</i> )	2021	Dr. S. T. Patil
13	Mr. Tejas Mangesh Lingavale (ENDPM-2018/141)	Design and development of cost effective energy free water lifting device	2020	Dr. S. T. Patil
14	Ms. Sampada Kashinath Kasare (ENDPM-2018/140)	Design and development of cost effective device for fertigation.	2020	Dr. U. S. Kadam
15	Ms. Snehal Sudhir Wankhade (ENDPM-2017/139)	Effect of different inline laterals of drip irrigation system on growth and yield of capsicum along with their hydraulic performance under protective cover	2019	Dr. U. S. Kadam
16	Mr. Rajendra Prakash Tone (ENDPM-2017/138)	Efficacy of different irrigation and fertigation levels through inline drip irrigation on growth and yield of Okra coupled with mulch in Konkan region	2019	Dr.M.S.Mane
17	Ms. Aishwarya Pradeep Surve (ENDPM-2017/137)	Studies on hydraulic performance of different micro sprinklers available in the market	2019	Dr. U. S. Kadam
18	Mr. Siddhesh Sampatrao Mane (ENDPM-2017/128)	Design and development of cost effective real time soil moisture based automatic irrigation system with GSM	2019	Dr.U.S.Kadam
19	Mr. Rupnar Sandip Kisan (ENDPM-2016/114)	Effect of Application of Fresh, Grey and Filtered Grey Water through Drip Irrigation on Growth Attributes of Spinach ( <i>Spinacea oleracea</i> )	2018	Dr.S.T.Patil

20	Ms. Sonali Vilas Moon (ENDPM-2016/108)	Design and development of domestic hydroponic unit for cultivation of leafy vegetables	2018	Dr.M.S.Mane
21	Ms. Sumita Shankar Karmarkar (ENDPM-2016/103)	Studies on different irrigation and fertigation levels through drip irrigation, coupled with mulch, on yield, growth and water use efficiency of green capsicum	2018	Dr.U.S.Kadam
22	Mr. Bowlekar Adwait Prakash (ENDPM-2015/093)	Design and development of low cost automatic irrigation system	2017	Dr.S.T.Patil
23	Mr. Sachin D. Waman (ENDPM-2014/089)	Study of soil moisture distribution pattern under subsurface drip irrigation system in lateritic soil	2016	Dr.S.T.Patil
24	Mr. Sunil B. Vagare (ENDPM-2013/078)	Design of subsurface drainage system for Trial cum demonstration farm (TCDF), Repoli	2016	Dr.R.T.Thokal
25	Ms.Praniti R. Juvekar (ENDPM-2013/074)	Design of Small scale Waste water(grey water) treatment plant	2015	Dr.S.T.Patil
26	Mr. Davis Sibale (ENDPM-2013/072)	Response of cauliflower (Brassica Oleracea L.) to various mulches and irrigation levels under drip irrigation	2015	Dr.M.S.Mane
27	Mr. Omkar M. Khadas (ENDPM-2012/063)	Effect different irrigation levels on growth and yield of strawberry under silver black mulch	2014	Dr.M.S.Mane
28	Ms. Sujata E. Shinde (ENDPM-2012/067)	Study on closed conduit water distribution in Kalwande minor irrigation scheme a case study	2014	Dr.P.M.Ingle
29	Mr. Rupesh A. Gavit (ENDPM-2011/054)	Optimization of area allocation strategy for irrigation in command area: A case study for Natuwadi medium irrigation project	2013	Dr.M.S.Mane
30	Mr. Kadam Ganesh G. (ENDPM-2010/044)	Study on Response of White Onion (Allium cepa L.) to 97 Deficit Irrigation	2013	Dr.M.S.Mane
31	Ms. Jadhav Pradnya B. (ENDPM-2010/042)	Assessment of Aquacrop Model for Application in Command Area: A Case Study	2013	Dr.R.T.Thokal
32	Mr. Nivrutti T. Naikare (ENDPM-2008/036)	Assessment of Adoption Gaps in Hydraulic Design of Drip Irrigation System for Mango and Cashew on Hill Slopes	2012	Prof. S. R. Kale
33	Mr. Bhare Nilesh B. (ENDPM-2009/031)	Study of Spatial and Temporal Variation of Evapotranspiration for Konkan Region	2012	Dr.P.M.Ingle
34	Mr. Nalawade Suresh Jayavant (ENDPM-2008/024)	Response of Drip and Micro Sprinkler Irrigation methods with Different levels of Irrigation and Fertilizer on Growth and Yield of Cabbage (brassica Oleracea L.)	2010	Dr.R.T.Thokal
35	Mr.Rahul P.Aher (ENDPM-2008/025)	Studies on Quality Parameters of Waste Water Used For irrigation And Its Impact on Soil Health and Agricultural Produce In Konkan Region	2010	Dr.M.S.Mane
36	Ms. Patil Amrapali Dinkarrao (ENDPM-2007/021)	Effect of Different Irrigation and Fertilizer Levels on Growth and Yield of Watermelon (Citrullus Lanatus) Coupled With Different Mulchers in Konkan Region	2009	Dr. U. S. Kadam
37	Ms. Jagtap Swati Keshav (ENDPM-2004/008)	Response of Cucumber Crop (Cucumis sativus) to Drip Irrigation System Under Various Mulchers	2008	Dr. M. S. Mane
<b>Ph.D (Irrigation and Drainage Engineering)</b>				
<b>Sr. No.</b>	<b>Name of Candidate</b>	<b>Thesis Title</b>	<b>Year of submission</b>	<b>Name of the Guide/CO-guide</b>
38	Shri. Govind Rawat, Regd. No. (ENDPD/2019/040)	Effect of Different Irrigation and Fertigation Levels Through Pulse Drip Irrigation on Growth and Yield of Carrot ( <i>Daucus carota L.</i> )	2023	Dr.U.S.Kadam

39	Dr. Patil Sunil Tukaram (ENDPD-2017/026)	Design and development of cost effective automatic domestic hydroponic unit for cultivation of selected vegetables and its performance evaluation	2021	Dr.U.S.Kadam
40	Shri. Jedhe Sahebrao Housrao (ENDPD-2014/014)	Assessment of Water Resources and Planning in context of Climatic Variability for Konkan region	2018	Dr.M.S.Mane
41	Shri. Madane Dnyaneshwar Arjun (ENDPD-2013/012)	Influence of different irrigation levels through pulse irrigation (drip) on white onion ( <i>Allium Cepa L.</i> )	2018	Dr.M.S.Mane

## **Research and Development:**

### **A. Technology Developed and Recommendation:**

<b>Year 2009</b>	
1.	It is recommended that watermelon (Cv. <i>Namdhari 295</i> ) can be grown under field condition in lateritic soils of Konkan region with 0.4 PE water depth through drip and 100 per cent RD through WSF with black mulch of 25 microns UV stabilized to get the maximum production and returns.
2.	It is recommended to grow cabbage (Cv. <i>Golden acre</i> ) under field condition in lateritic soils of Konkan region with 0.8 PE water depth through micro-sprinkler and 120 per cent R.D. through WSF to get maximum production and returns.
<b>Year 2011</b>	
3.	It is recommended that banana (Cv. <i>Grand Naine</i> ) be grown on lateritic soils of Konkan region with planting density 1.75 m x 1.75 m with 0.6 PE level of irrigation and 120 per cent RD through WSF level of fertigation through drip irrigation in ten equal doses for getting the maximum benefits.
4.	It is recommended to grow kholrabi (Cv. <i>Navalkol</i> ) under protective cover i.e. shade net house specially designed by Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli for Konkan region coupled with 1.0 PE water depth and 100 per cent RD through WSF to get the maximum production and returns.
5.	It is recommended to grow coloured and green capsicum under protective cover i.e. shade net house specially designed by Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli for Konkan region coupled with 1.0 PE water depth and 120 per cent RD through WSF to get the maximum production and returns.
6.	It is recommended to grow broccoli (Cv. <i>Ganesh</i> ) under protective cover i.e. shade net house specially designed by Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli for Konkan region coupled with 1.0 PE water depth and 120 per cent RD through WSF to get the maximum production and returns.
<b>Year 2014</b>	
7.	The values of drainage coefficients developed by Dr.Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for Ratnagiri district are recommended.
8.	The values of drainage coefficients developed by Dr.Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for Sindhudurg district are recommended.
9.	The optimum cropping pattern prepared by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for the Natuwadi medium irrigation project is recommended. In addition to this following suggestions are made, i) In the command area of Natuwadi Irrigation Project, it is recommended to increase the area under irrigated crops by using lined canal or closed pipe canals for water distribution along with lined field channel or pipe network for field water distribution.

	ii) It is recommended to increase the water productivity and irrigation literacy among the farmers of the Natuwadi Irrigation Project by formation of Water User's Association and by organizing farmers workshop/rallies.
<b>Year 2015</b>	
10.	It is recommended to irrigate the white onion var. Alibag local under the condition of water scarcity with 293 mm water (20 percent deficit) to get maximum water use efficiency.
11.	The values of surface drainage coefficients developed by Dr.B.S. Konkan Krishi Vidyapeeth, Dapoli for Thane district are recommended.
12.	The values of surface drainage coefficients developed by Dr.B.S. Konkan Krishi Vidyapeeth, Dapoli for Palghar district are recommended.
13.	The values of surface drainage coefficients developed by Dr.B.S. Konkan Krishi Vidyapeeth, Dapoli for Raigad district are recommended.
<b>Year 2017</b>	
14.	Dr.B.S.K.K.V.,Dapoli developed a grey water filter of 2.0 m (0.20 m. freeboard) net depth is recommended for irrigating gardens/ornamental plants.
15.	It is recommended to cultivate the strawberry on lateritic soils of Konkan region in <i>rabi</i> season with 25 micron silver plastic mulching using inline drip (16 mm Ø, 0.3 m spacing, 4 lph discharge) irrigation system with 321 mm water (0.6 PE level) to get maximum monetary benefits.
16.	It is recommended to get the maximum productivity and net benefit of sweet white onion from Alibag on lateritic soils of Konkan region with total 345 mm water (1 ET <sub>c</sub> level) using inline drip (16 mm Ø, 0.3 m spacing, 4 lph discharge) irrigation system and four splits per irrigation (30 minutes irrigation interval).
<b>Year 2018</b>	
17.	The DBSKKV developed low cost real time soil moisture sensor based irrigation controller is recommended for irrigation of various crops.
18.	It is recommended to irrigate the shallow, medium and deep rooted crops in lateritic sandy clay and sandy clay loam soils of Konkan region by installing subsurface lateral at 15 cm depth according to crop root zone depth.
<b>Year 2019</b>	
19.	It is recommended to grow cauliflower with inline drip (4 lph and 50 cm spacing) on lateric soils of Konkan region with 0.8 Etc irrigation level (21.36 cm) coupled with silver mulching for getting maximum returns.
20.	Dr. B. S. K. K. V., Dapoli developed vertical and triangular type hydroponic unit with vermiculite (50%) + Cocopeat (25%) + Vermicompost (25%) media is recommended for growing home fresh vegetables.
<b>Year 2020</b>	
21.	It is recommended to grow capsicum in lateritic soils of konkan region with 1.0 ET <sub>c</sub> irrigation level (Inline drip 4LPh, 50 cm spacing) with silver mulching and 120 percent RD of 280:30:415 NPK kg/ha for getting maximum returns.
<b>Year 2022</b>	
22.	It is recommended to get maximum benefit from Broccoli at spacing of 45 x 45 cm in lateritic soils of konkan region with 0.8 ET <sub>c</sub> irrigation level (Inline drip 4LPh, 50 cm spacing) 25 micron with silver mulching and 100 percent RD of 100:60:40 NPK kg/ha.
23.	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli developed PK's cost effective domestic automatic hydroponic system is recommended for in house as well as outhouse vegetable production in rural, urban and metro areas.
24.	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli developed PK's cost effective fertigation device of 63 x16 mm and 50 x16 mm size are recommended for fertigation of water soluble fertilizer solutions through micro irrigation systems

25.	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli developed PK's cost effective real time soil moisture based automatic irrigation system with GSM to irrigate crops to fulfil their exact water requirement.
26.	It is recommended to grow Marigold ( <i>Tagetes erecta</i> ) crop, Variety- Kolkata (Chota Gonda) in lateritic soil of Konkan region under Inline-drip irrigation system at a spacing of 120cm-50cm x 30cm in pair row plantation and irrigation be scheduled at 0.8 ETc (total water 32 ha-cm) with Silver black plastic mulch to get maximum production and benefit

## B. Externally Funded Projects:

### Completed Projects

Sr. No.	Completed Year	Project
1.	2017-18 to 2019-20	Effect of different inline laterals of drip irrigation system on growth and yield of capsicum along with their hydraulic performance under protective cover" - Garware Wall Ropes Ltd., Chinchwad, Pune amounting to Rs.5.42 lakh

## C. Research Publications: (More than 6.0 NAAS Rating)

Sr. No.	Title of the paper	NAAS Rating
1.	Y.R Parulekar, P. M.Haldankar, Kulkarni, Dalvi, Desai, Kadam, <b>S.T.Patil</b> Studies on rejuvenation of old and senile orchards of Alphonso mango in Konkan region of Maharashtra. June,2019, Indian J. Hort. 76(2), June 2019:364-367, 76(2):364-367.	6.10
2.	Davis Sibale, <b>M.S.Mane</b> , <b>S.T.Patil</b> and <b>P.M.Ingle</b> . Evaluation of three methods for estimating reference Evapotranspiration (ET <sub>0</sub> ) at Dapoli, Maharashtra. June, 2016, Journal of Agrometeorology, 18(1): 157-158.	6.56
3.	<b>M.S.Mane</b> , <b>S.H.Jedhe</b> , <b>U.S.Kadam</b> and <b>S.T.Patil</b> Probability of dry/wet spell and rainwater availability at Dapoli for rice crop planning. June, 2016, Journal of Agrometeorology, 18(1): 165-167.	6.56

## Extension Education:

### 1. Popularization & Demonstration of Irrigation and Drainage related Technologies

Established in  
2012

Sponsored by  
University

#### State Level Irrigation Park



Visitor Count:

- 11497 Upto 2023

Use for:

- Demonstration
- Education





## 2. Training

**Year**    **Title of Training**  
 1        Technical Session on  
           Micro-Irrigation  
           Technology in the  
           Suvarna Palavi  
           Mahotsav,  
           Dr.B.S.Konkan Krishi  
           Vidyapeeth, Dapoli on  
           14<sup>th</sup> May, 2022

### Photos



Prof.Dr.U.S.Kadam, Prof.D.M.Mahale, Dr.P.M.Ingle and Dr.S.T.Patil conducted session on Micro-Irrigation Technology held at Vishweswaraiya Hall (Palavi Krishi Mahotsav)

2        Water: Past, Present  
           and Future  
           Dt. 08<sup>th</sup> June, 2022



Hon'ble Vice Chancellor Dr.S.D.Sawant guided to students, staff in webinar at Seminar Hall, CAET, DBSKKV, Dapoli

3        Entrepreneurship  
           Development  
           Dt. 09<sup>th</sup> June 2022



Seminar delivered by Er. Chandankumar Sahu on Entrepreneurship Development

- 4 Career Development, Opportunities to Agril. Engineers and allied science graduates and Safety Measures from the Cyber Theft  
Dt. 28<sup>th</sup> June, 2022



Guest Lecture delivered by Dr. Balsingh Rajput, SP and Cyber Crime Chief, Govt. of Maharashtra

- 5 Sinchan Parishad Ratnagiri Sindhudurg  
Dt. 26<sup>th</sup> May 2023



Dr.S.T.Patil, Associate Professor, IDE delivered the lecture regarding water management for crops and various issues in respect of water distribution and utilization

### 3. Extension Publications (No. & Front Page)

Booklet = .....

Leaflet = .....

Training Manual = .....

### Gallery:

Photos of Technologies developed by department



**Grey Water Filter**



**Domestic Cost Effective Hydroponic System**



**Fertilizer Applicator**



**Domestic Cost Effective Automatic Hydroponic System**



**Research experiment on Cauliflower crop in the field**



**Strawberry crop stand**



**Strawberry fruiting stage**



**Watermelon crop stand**



**Cabbage crop stand**