

**ICT Tools,  
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E –Content -2021-22 (odd Semester)

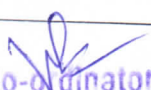
S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
1	Mr.Sachin Kumar	Definition and scope of rural sociology	PPT,
		Basic concept of society, community and groups	PPT, Video
		Characteristics and Differences of rural and Urban communities	Video
		Basic rural institutions and their role in Agriculture development	PDF, Video
		Definition and types of rural leadership and their role	PPT, PDF
		Definition, nature and importance of psychology in the development of human behaviour.	PDF
		Meaning of habit and habit development	PPT, Video
		Basic Psychological concepts; motivation, Social Interaction, Attitudes, Emotions, Prejudices and Social Perception.	PPT, Video
		Personality- definition and development	Video
		Defects of Present system of marketing of agricultural produce. Steps taken by the Indian Government and possibilities of improvements	PDF, Video

  
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S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
2	Mr. Shivam Rathi	Different meteorological variables related to Agriculture	PPT, Video
		Rainfall- Hydrologic cycle and it's components	PPT, PDF
		Types and forms of precipitation.	Video
		Storms, occurrence, variation and measurement of rainfall	PDF
		Rain gauges, Computation and analyses of data	PPT, PDF
		Plotting of mass curve and rainfall intensity curve.	PDF
		Run-off- Definition, types, factors affecting, estimation and measurement of run-off.	PDF
		Atmosphere - Definition and structure, climate and weather, atmospheric pressure, factors affecting, measurement.	PDF
		Elementary idea of isolation, Temperature, kinds and measuring instruments, evaporation, factors affecting, measurement.	PDF
		Humidity, definition, wind vane, Anemometer	PPT
		Indian Agro Climatic Zones	PPT
Elementary idea of weather forecasting	PPT, Video		

  
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3	Dr.Vikrant Kumar	Farm structures farm site, food grain storage structure.	PPT, PDF
		Building materials for farm house, dairy building and poultry housing.	PPT, PDF
		Elementary knowledge about the engineering terminology and calculations.	PDF
		Piston displacement, compression ratio, HP and efficiencies of engines. Construction and working of four stroke.	PDF
		two stroke cycle I.C. engines, common engine troubles, causes and their remedies.	PPT, PDF
		Classification of tractors, Elementary knowledge about main components.	PDF
		tractor and their functions such as steering, clutches, transmission gears, differential and final drive, brakes, belt, pulley	PDF
		PTO, shaft and hydraulic lift. Methods of starting and stopping of tractors. General care and maintenance.	PDF
		Study of simple parts, operation and installation of an electric motor (Induction type only), calculation of HP units consumed.	PDF
		M.B. Plough, Disc plough, Disc harrow, cultivator, secondary tillage equipments, seed drill.	PPT
		Calculation of area covered, power requirement and efficiency of above machines. Calibration of seed drill.	PPT
		planter, reaper and mower, threshers, combine, sprayers and dusters.	PPT, Video

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S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
4	Mr.Mukul Motla	Plant Breeding - history, objectives and scope.	PPT, PDF
		Mode of reproduction in crop plants in relation to breeding techniques.	PPT, PDF
		Plant variation kind and causes.	PDF
		Genetic consequences of self and cross pollinated crops.	PDF
		Plant Introduction and exploration.	PPT, PDF
		Breeding self pollinated crops, population's improvement.	PDF
		Mass selection, recurrent selection. Breeding cross pollinated crops mass selection.	PDF
		Male sterility and its importance.	PDF
		Breeding of asexually propagated crops, Clonal selection and apomixes.	PDF
		Polyploidy and mutation breeding.	PPT

  
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E –Content -2021-22 (Even Semester)


S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
1	Mr.Suraj Singh	Definition and importance of plant pathology.	PDF, PPT
		Causes of plant diseases.	PPT
		Classification of plant diseases according to cause and occurrence.	Video
		Fungi and its Economic importance and general characteristics	PDF, Video
		Morphology of different vegetative structures	PPT, PDF
		Different types of spores.	PDF
		Levels of parasitism.	PPT, Video
		Nomenclature.	PPT, Video
		Classification of fungi with special reference to genera listed under following item.	Video
		Life histories of Pythium, Albugo. Erysiphe, Ustilago, Claviceps and Puccinia.	PDF, Video
		Diagnostic characters of the following genera: Phytophthora, Peronospora.etc	PPT, Video
		Brief history of bacteria as plant pathogens.	PPT, Video
		Morphology and Cell structure	Video
Classification of plant pathogenic bacteria.	PDF, Video		

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E –Content -2021-22 (Even Semester)

S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
2	Mr.Raj Kumar	Role of plant physiology in agriculture	PDF
		Cell structure and function, Plant tissues	PPT, Video
		Physio-chemical phenomenon-diffusion.	PPT, Video
		Essential nutrient elements, their role, deficiency symptoms.	Video
		Photosynthesis - light and dark reactions.	PDF
		Mechanism of respiration, transpiration.	PPT, Video
		Ecological adaptation of plants.	PPT, Video
		Plant growth substances.	Video
		Photoperiodism and verbalization.	PDF, Video

  
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E –Content -2021-22 (Even Semester)

S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
3	Mr.Abid Ahmad	Importance, scope and present position of fruit and plantation corps in India.	PPT
		Practices involved in the production of fruits: Mango.	PPT
		Practices involved in the production of fruits: Kagzi lime.	PDF
		Practices involved in the production of fruits: Banana.	Video
		Practices involved in the production of fruits: Grape.	PPT, PDF
		Practices involved in the production of fruits: Litchi.	PDF
		Practices involved in the production of fruits: Papaya.	PPT, Video
		Practices involved in the production of fruits: Loquat.	Video
		Practices involved in the production of fruits: Aonla.	Video
		Practices involved in the production of fruits: Jack Fruit.	PDF, Video
		Practices involved in the production of fruits: .Apple.	Video
		Practices involved in the production of fruits: Tea.	PPT, Video
		Practices involved in the production of fruits: Cashew nut.	Video
Practices involved in the production of fruits: Coffee.	PDF, Video		

  
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S.N.	Name of Faculty	Topic	Type of ICT (PDF, PPT, Video)
4	Dr. Nayeem Ali	General:-Importance of farm's livestock and poultry in agriculture and Indian Economy.	PDF, PPT
		Relationships of plants with animal husbandry. Farm's livestock biodiversity (important Species & Breeds) in India and their physical characteristics.	PPT
		Livestock farming systems in India. Management skills- animals, land, labour and business	Video
		Cattle and buffalo production.	PDF, Video
		Reproduction and breeding management	PPT, PDF
		Methods and systems of livestock reproduction & breeding. Care and management of down calves, milch cows, calves & heifers and Stud bulls.	PDF
		Maintenance of different livestock records. Housing requirement for dairy animals.	PPT, Video
		Sheep, Goat, Pig and Poultry Production:- General aspects of reproduction, breeding, feeding and care & management in brief.	PPT, Video
		Sheep, Goat, Pig and Poultry Production.	Video
		General aspects of reproduction, breeding in Goat.	PDF, Video
		General aspects of reproduction, breeding in poultry.	PPT, Video
Feeding and care & management in brief	PPT, Video		

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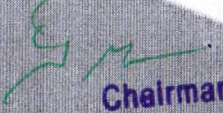
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## Organoleptic tests:

The organoleptic test permits rapid segregation of poor quality milk at the milk receiving platform. No equipment is required, but the milk grader must have good sense of sight, smell and taste. The result of the test is obtained instantly, and the cost of the test are low. Milk which cannot be adequately judged organoleptically must be subjected to other more sensitive and objective tests.

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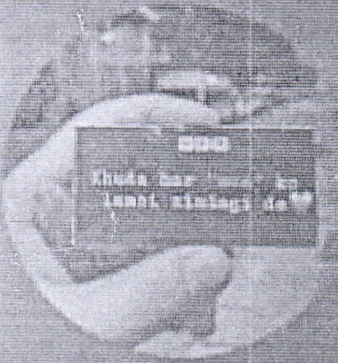




Chandani



irfan




MSHANKAR



Rahul



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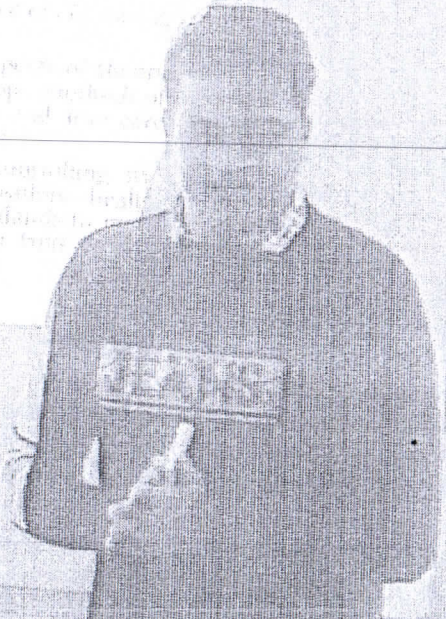
  
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**Objectives**


1. To provide a platform for the students to express their views and opinions on the various issues related to the college and the university.

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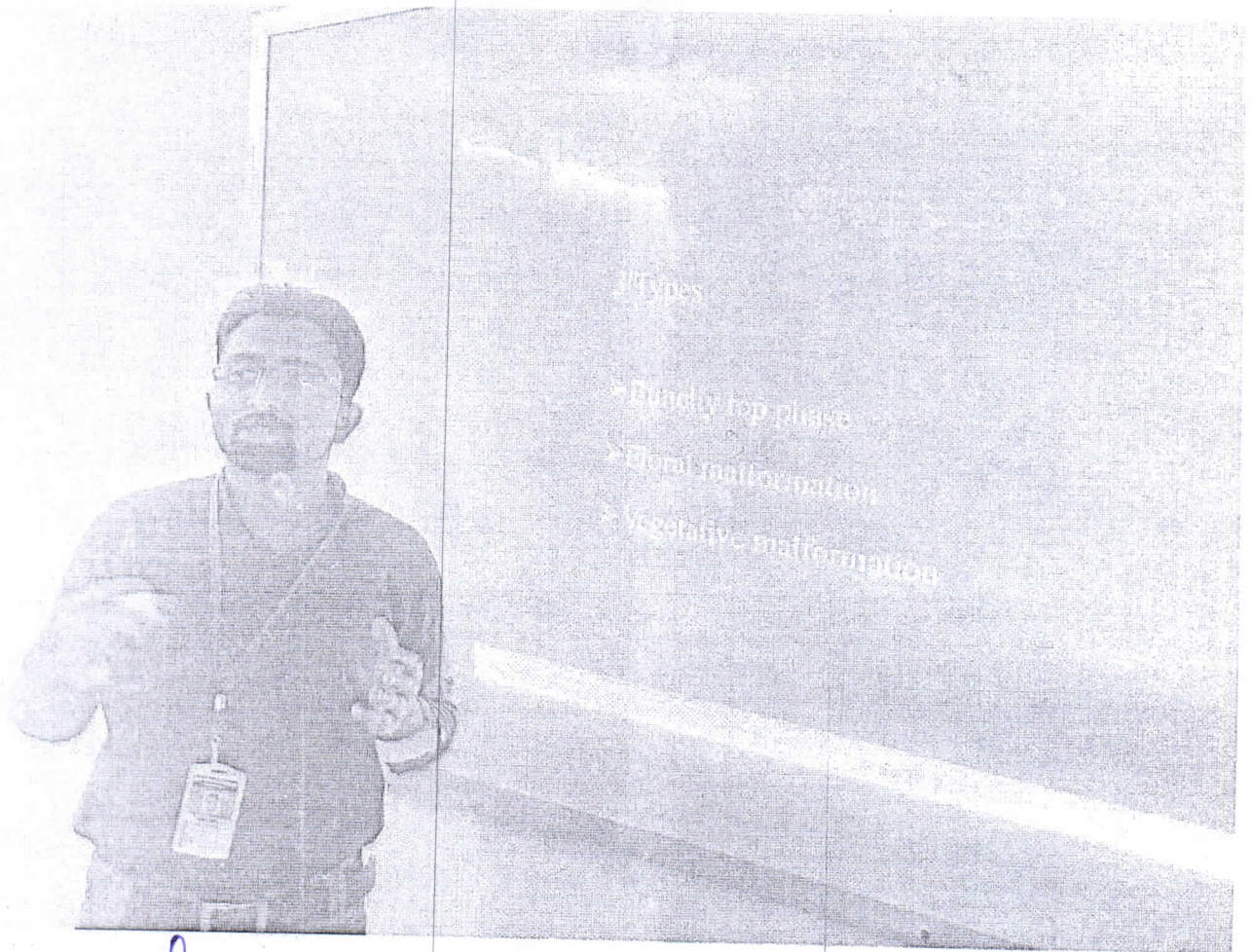


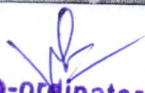
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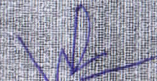



  
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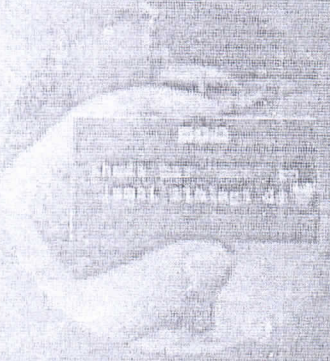




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