**COLLEGE OF AGRICULTURAL ENGINEERING**

**JNKVV JABALPUR**

**CLASS :BTech IV year 1 Semester 2019-20**

**COURSE: DAIRY AND FOOD ENGINERING**

**COURSE TEACHER : Mrs SHEELA PANDEY**

**Dr VK TIWARI**

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| **SNO** | **ENROLLMENT NO** | **NAME**  | **TOPIC ALLOTTED FOR ASSIGNMENT**  |
| **1** | **170603001** | **Akash Chouhan** | **Principles and application of spray drying** |
| **2** | **170603002** | **Aanchal Sondhiya** | **Drying of Perishable foods**  |
| **3** | **170603003** | **Abhishek Patel** |  **Drying of foods :Principles and applications of Drum drying** |
| **4** | **170603004** | **Abhishek Uke** | **Significance of nanotechnology in the food industry** |
| **5** | **170603005** | **Ajay Fulsunge** | **Filtration principles and applications**  |
| **6** | **170603006** | **Ajay Kumar Patel** | **Environmental impacts of Nanomaterials**  |
| **7** | **170603007** | **Ajay Molwa** | **Thermal &Nonthermal processing technologies** |
| **8** | **170603008** | **Akottari Gwale** |  **Nano materials and safety issues related to food chain,** |
| **9** | **170603009** | **Akrti Paraste**  | **Packaging of Milk Machines and applications**  |
| **10** | **170603010** | **Anita Meena** | **Evaporators :Principles ,types &Applications in the dairy Industry** |
| **11** | **170603011** | **Anivesh Kumar Pandey** | **Nanotechnology and Nanoencapsulation** |
| **12** | **170603012** | **Ankit Sahu**  | **Evaporators :Principles ,types &Applications in the dairy Industry** |
| **13** | **170603013** | **Arjun Thannna** | **Risk assessment of Nanoparticles in the Food Chain** |
| **14** | **170603014** | **Ashish Patel** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **15** | **170603015** | **Ashutosh Dwivedi** | **Nanotechnology and food safety** |
| **16** | **170603017** | **Ayushi Bhatt** | **Packaging of Milk products**  |
| **17** | **170603018** | **Balram Patidhar** | **Cheese :processing, flowchart and packaging** |
| **18** | **170603019** | **Chandana A Singh** | **Butter and ghee: processing equipment and packaging** |
| **19** | **170603020** | **Chetan YumNam(icar)** | **Ice cream : ,flow chart ,processing ,and quality aspects** |
| **20** | **170603021** | **Devendra Kumar** | Nano- composite biodegradable plastics . |
| **21** | **170603023** | **Diksha Mishra** | **Nanotechnology :Techniques& Tools** |
| **22** | **170603024** | **Diksha Saluja** | **Nanotechnology :Techniques& Tools** |
| **23** | **170603025** | **Divakar Singh** | **Application of Nanotechnology in the food industry** |
| **24** | **170603027** | **Divyansh Bhagat** | **Filteration principles and applications** |
| **25** | **170603028** | **Harshit Malviya** |  **Antimicrobial food packaging based on nano-materials** |
| **26** | **170603029** | **Harshit Sahu**  | **Filteration principles and applications** |
| **27** | **170603030** | **Harshit Bhalavi** | **Filteration principles and applications** |
| **28** | **170603031** | **Hemendra** | **Emerging developments in Nanotechnology** |
| **29** | **170603032** | **Himenshu Dwivedi** | **Membrane processing machineries process and applications** |
| **30** | **170603033** | **HimenshuParte (icar)** | **Membrane processing machineries process and applications** |
| **31** | **170603034** | **Iram Ansari** | **Nanotechnology :Techniques& Tools** |
| **32** | **170603035** | **Jayant Kumar** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **33** | **170603036** | **Kavita Maravi** | **Packaging of Milk Machines and applications** |
| **34** | **170603037** | **Krishanakant** | **Filtrations principles and applications** |
| **35** | **170603038** | **Kshipra Parihar** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **36** | **170603039** | **Lokesh Saratker** | **Thermal &Nonthermal processing technologies** |
| **37** | **170603040** | **Manisha Dwivedi** | **Evaporators :Principles ,types &Applications in the dairy Industry** |
| **38** | **170603041** | **Meenakshi Singh** | **Membrane processing**  |
| **39** | **170603042** | **Monika** | **Nanotechnology and Food Packaging** |
| **40** | **170603043** | **Muskan Mehra** | **Cream Separators Equipment and applications** |
| **41** | **170603044** | **Naman Tamrakar** | **Nanotechnology and Nanoencapsulation** |
| **42** | **170603045** | **Narendra**  | **Cheese :processing, flowchart and packaging** |
| **43** | **170603046** | **Narendra Mewada** | **Evaporators :Principles ,types &Applications in the dairy Industry** |
| **44** | **170603047** | **Naveen Purohit** | **Thermal &Nonthermal processing technologies** |
| **45** | **170603048** | **Neelam Sani**  | **Nanotechnology and Nanoencapsulation** |
|  |  |  |  |
| **46** | **170603050** | **Pankaj Kumar Sani** | **Nanotechnology and it Applications** |
| **47** | **170603051** |  **Parminder Kaur** | **Membrane processing machineries process and applications**  |
| **48** | **170603052** | **Payal Sisodiya** | **Cheese :processing, flowchart and packaging** |
| **49** | **170603053** | **Pooja Chouhan** | **Membrane processing machineries process and applications** |
| **50** | **170603054** | **Pooja Maida** | **Evaporators :Principles ,types &Applications in the dairy Industry** |
| **51** | **170603055** | **Prachi Pawar(icar)** | **Fundamental concepts of Nanotechnology** |
| **52** | **170603056** | **Pradeep Patidhar** | **Methods of food preservation** |
| **53** | **170603057** | **Pradhumn Patel** | **Cheese :processing, flowchart and packaging** |
| **54** | **170603058** | **Prannay Baithwar(icar)** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **55** | **170603059**  | **Rahul Kumar Techram** | **Landmarks in the development of Nanotechnology**  |
| **56** | **170603060** | **Raj Kumar Choudhary** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **57** | **170603061** | **Raj Nandani Raikwar** | **Nanotechnology and Nanoencapsulation** |
| **58** | **170603062** | **Raju Gangiya** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **59** | **170603063** | **Raju Updhayaya** | **Nanotechnology :Techniques& Tools**  |
| **60** | **170603064** | **Rashi Raghuwanshi** | **Cream Separators Equipment and applications** |
| **61** | **170603065** | **Ravindra Singh** | **Cream Separators Equipment and applications** |
| **62** | **170603066** | **Ritesh Mewada** | **Nanosensors Development &Applications**  |
| **63** | **170603067** | **Ritika Asati** | **Cream Separators Equipment and applications** |
| **64** | **170603068** | **Rupesh** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **65** | **170603069** | **Rudra Pratap Bisen** | **Cream Separators Equipment and applications** |
| **66** | **170603070** | **Sakshi Jharbade** | **Nanotechnology Advantages &Disadvantages** |
| **67** | **170303071** | **Sandeep Rathore** | **Aseptic Processing**  |
| **68** | **170303072** | **Sandeep Tekam** | **Dairy plant design &layout .** |
| **69** | **170303074** | **Sanjay Sahu** | **Cream Separators Equipment and applications .** |
| **70** | **170303075** | **SatendranSingh** | **Nanotechnology and its relevance to the food industry** |
| **71** | **170303076** | **Shailja Choudhary** | **Canning : principles and manufacturing process, Spoilage** |
| **72** | **170303077** | **Shaiwali Shukla** | **Deterioration in food products**  |
| **73** | **170303078** | **Shikha Patel** | **Engineering thermal and chemical properties of Milk** |
| **74** | **170303079** | **Shraddha Sethi**  | **Nanotechnology And its impact on Human health** |
| **75** | **170303080** | **Shubham Dhakad** | **Cream Separators Equipment and applications** |
| **76** | **170303081** | **Shubham Mishra**  | **Techniques of nanotechnology** |
| **77** | **170303082** | **Shubham Patel** | **Deterioration in food products** |
| **78** | **170303083** | **Shubam Patidhar** | **Nanomaterials**  |
| **79** | **170303084** | **Simran Jharia** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **80** | **170303085** | **Sumer Sing** | **Cream Separators Equipment and applications** |
| **81** | **170303086** | **Supriya Ahirwar** | **Deterioration in food products** |
| **82** | **170303087** | **Surbhi Tiwari** | **Nanomaterialsand their effect on global economics**  |
| **83** | **170303089** | **Uddesh Sahu Vikram Singh Solanki** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **84** | **170303091** | **Vijaysingh Solanki** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **85** | **170303092** | **Vikram Patel** | **Nanotechnology the next Industrial revolution** |
| **86** | **170603093** | **Vivek Kumar Suryawannshi** | **Nanotechnology in food preservation** |
| **87** | **170603094** | **Yaman Mahore** | **Nanotechnology in food processing** |
| **88** | **170603095** | **Yash Mahajan** | **Yoghurt :Manufacture ,equipments and Packaging** |
| **89** | **170603096** | **Pradeep Ahirwar(icar)** | **Nanotechnology in food Packaging**  |
| **90** | **160603051** | **Nimita Singh Jhikram** | **Importance of Nanotechnology**  |
| **91** | **160603088** | **Varsha Khadiya** | **Cream Separators Equipment and applications** |
| **92** | **160603117** | **Vikek Singh** | **Role of Regulatory Agencies on applications of nanotechnology for the food industry.** |

**Note: Each student is requested to submit two assignment which should be hand written and have a discussion part at the end of the assignment were significance /application /safety and regulation issues are mentioned .The machineries flow charts should be neatly drawn .It is suggested that as Nanotechnology is an emerging field the choice of the second topic for assignment should be on Nanotechnology**

**STAY SAFE BE FREE TO CALL BETWEEN 3PM AND 3 30PM /**

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**Additional topics :food filtration products /ultra filtration/nano filtrations Membrane separation /Ro /applications and equipments**