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LIST OF PROJECTS

DEPARTMENT OF MICROBIOLOGY (2020-2021)				
S.No.	Course Code	Course Name	Student Name	Name of Project
1	MIC702	Project Part-II	Neha Sharda	Isolation and screening of antibiotic resistant and producing microorganism
2	MIC702	Project Part-II	Charu	Impact of emergence of new Corona strain
3	MIC702	Project Part-II	Sneha	Anti bacterial and antibio film activity of medicinal plants belonging to the Myrtaceae family
4	MIC702	Project Part-II	Hina	Microbiological process for nutrient recovery from waste
5	MIC702	Project Part-II	Manpreet Kaur	Bioleaching of silver from electron waste
6	MIC702	Project Part-II	Surbhi	Biosurfactant assisted microbial nanoparticles and their applications
7	MIC702	Project Part-II	Rubandeep Kaur	Oral microbiome and it's association with lung cancer
8	MIC702	Project Part-II	Aakriti Tyagi	mRNA vaccines
9	MIC702	Project Part-II	Neha Kumari	Zinc Resistant microbes and their race in plant growth promotion
10	MIC702	Project Part-II	Gurjinder Pal Kaur	Role of genetically modified food and their role in attaining food security
11	MIC702	Project Part-II	Sarishti Saini	Gut microbiota and it's role in Brain function
12	MIC702	Project Part-II	Ruchhika Thakur	Potential of Shewanella oneidensis MR-1 as microbial fuel cells and it's applications in Waste Water Treatment
13	MIC702	Project Part-II	Jasvir Kumar	Isolation and characterization of alkaline protease producing bacteria and it's application in detergent industry
14	MIC702	Project Part-II	Arushi Verma	Bioremediation of polyethylene terephthalate (PET)
15	MIC702	Project Part-II	Pooja Rani	Biomining of Rare Earth Elements(REEs) from secondary sources (E-waste)
16	MIC702	Project Part-II	Richa Sharma	Sustainable biodiesel production
17	MIC702	Project Part-II	Hairajpreet Kaur	Isolation and characterization of amylase producing bacteria and it's prominent applications
18	MIC702	Project Part-II	Gurpreet Kaur	Microbial assisted Rhizoremediation of heavy metals
19	MIC702	Project Part-II	Upasana Singhal	Bioethanol production from Lignocellulosic Biomass
20	MIC702	Project Part-II	Monika Arya	A comparative study on environmental factors influencing antibiotic resistance

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DEPARTMENT OF MICROBIOLOGY (2021-2022)				
S.No.	Course Code	Course Name	Student Name	Name of Project
1	MIC702	Project Part-II	Sukhvir Kaur	Isolation and characterization of Biofilm producing
2	MIC702	Project Part-II	Manpreet Kaur	Isolation and characterization of acidic protease producing bacteria from environment niche and it's application in bread making
3	MIC702	Project Part-II	Kiran	Development of Sugarcane waste derived antibacterial cellulose gel for wound dressing
4	MIC702	Project Part-II	Komal Preet	Isolation and characterization of Biofilm forming bacteria from dairy products
5	MIC702	Project Part-II	Shehnaz Bano	Isolation and characterization of acidic cellulose producing microorganisms
6	MIC702	Project Part-II	Ruby Mainka	Cancer Immunotherapy by immune checkpoint inhibitors: Current and Future
7	MIC702	Project Part-II	Manisha	Isolation and screening of bacterial isolates for antagonistic activity against <i>Alternaria</i> sp.
8	MIC702	Project Part-II	Mamta Devi	Evaluation of antagonistic activity of rhizospheric bacteria against fungal phytophathogens.
9	MIC702	Project Part-II	Priya	Management of industrial effluents waste by microroragnisms.
10	MIC702	Project Part-II	Heena Dhiman	Plany growth promoting rhizobacteria (PGPR): a promising biocontrol agent for sustainable agriculture
11	MIC702	Project Part-II	Sawani Dhawan	Unlocking the potential of plant growth promoting rhizobacteria (PGPR) in improving the abiotic stress tolerance in plants.

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DEPARTMENT OF MICROBIOLOGY (2022-2023)				
S.No.	Course Code	Course Name	Student Name	Name of Project
1	MIC702	Project Part-II	Kavya Rana	Evaluation of antagonistic activity of rhizospheric bacteria against fungal phytopathogens
2	MIC702	Project Part-II	Kiranpreet	Analysis of antimicrobial activity of plant extract against different pathogenic bacteria
3	MIC702	Project Part-II	Devinder Kaur	Isolation, characterization and study of antibiotic resistant bacteria from local fruit market around Jalandhar city
4	MIC702	Project Part-II	Neha Sharma	From waste to Food: Bioconversion of pineapple peel to vinegar
5	MIC702	Project Part-II	Damanpreet Kaur	Production and characterization of vinegar produced from sweet orange peel
6	MIC702	Project Part-II	Priyanka	Sustainable compounds with potential for use in various industries (Review)
7	MIC702	Project Part-II	Aakriti Thakur	Analysis of antimicrobial activity of plant extract against different pathogenic bacteria
8	MIC702	Project Part-II	Sahil Rana	Management of industrial effluent waste by microorganism
9	MIC702	Project Part-II	Arshiya Dhiman	Isolation of air and soil microflora from waste dumping site
10	MIC702	Project Part-II	Abhishek Kumar	Microbial pigments: A sustainable compound with potential for use in various industry
11	MIC702	Project Part-II	Abilasha sharma	Bacterial food borne zoonotic disease
12	MIC702	Project Part-II	Anjali Kumari	Analysis of antibacterial activity of citrus sinensis, Ficus religiosa extract against pathogenic bacteria
13	MIC702	Project Part-II	Deepika Sharma	Production of ice cream by using probiotics
14	MIC702	Project Part-II	Diksha	Microbiological assessment of raw milk
15	MIC702	Project Part-II	Harpankaj Kumari	Study of microorganisms associated with spoilage of onion
16	MIC702	Project Part-II	Kajal Sharma	Probiotic delivery system: Microencapsulation
17	MIC702	Project Part-II	Kavita	Microbial biofilm an advanced ecofriendly approach for bioremediation
18	MIC702	Project Part-II	Komalpreet	Isolation and identification of water microflora of rural areas
19	MIC702	Project Part-II	Kritika	Spoilage of food

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		II		
20	MIC702	Project Part-II	Neeraj	Biopesticides
21	MIC702	Project Part-II	Nisha Kumari	Isolation and identification of cellulose degrading bacterial from soil
22	MIC702	Project Part-II	Priyanka	Bioremediation of heavy metals from soil
23	MIC702	Project Part-II	Sharanjeet	Production and monitoring of physicochemical changes in wine fermentation from citrus fruit by using saccharomyces cerevisea

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DEPARTMENT OF CHEMISTRY(2020-2021)				
Sr.No	Course code	Course name	Student name	Name of Project
1	CHE612	Project	Shivani Thakur	Synthesis of Charge-Transfer complexes and their gelation studies
2	CHE612	Project	Gurpreet Kaur	Synthesis and characterization of mixed ligand coordination polymer
3	CHE612	Project	Narinderjeet Kaur	Development of Mixed ligand Coordination polymers
4	CHE612	Project	Nitika Guleria	Chalcone Derivative: A New Chemosensor for Ag ⁺ Ions
5	CHE612	Project	Tanvi Sharma	Design, Synthesis and Characterization of Chemosensor for Cyanide Ions
6	CHE612	Project	Aina Thakur	Synthesis of Indole Substituted Imidazopyrazine via Application of GBB Multicomponent Reaction
7	CHE612	Project	Aditi Chandel	Synthesis of Indole C-3 Substituted Imidazo[1,2-a] pyridine via GBB Multicomponent Reaction
8	CHE612	Project	Seema Aarti	Formation of GBB Product via MCR of N-substituted aldehyde
9	CHE612	Project	Renu	Methodology Development for Suzuki Cross-Coupling Reaction
10	CHE612	Project	Manjeet Kaur	Methodology Development for Heck Cross-Coupling Reaction
11	CHE612	Project	Mamta Devi	Cross Dehydrogenative Coupling of Tetrahydroquinoline and Nitroalkane
12	CHE612	Project	Arshdeep Kaur	C-1 Substitution of Tetrahydro-Isoquinolines via C-H Activation
13	CHE612	Project	Anmol Preet Singh	Oxidative Cyanation of Tetrahydroisoquinolines using acetone cyanohydrin
14	CHE612	Project	Swati Thakur	Study of cross-linked hydrogel of chitosan and sodium alginate as a controlled drug delivery system
15	CHE612	Project	Sunidhi	Synthesis of cross-linked hybrid hydrogel of sodium alginate and gelatin
16	CHE612	Project	Arti Chanjotra	Synthesis and characterization of chitosan and dextrin hydrogel using maleic acid as crosslinker

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DEPARTMENT OF CHEMISTRY(2021-2022)				
Sr.No	Course code	Course name	Student name	Name of Project
1	CHE612	Project	Diksha Mahajan	Azotization-based carboxylate ligands for the preparation of Metal-Organic Frameworks
2	CHE612	Project	Kiranpreet Kaur	Synthesis of tricarboxylate ligand for the preparation of Metal-Organic Framework
3	CHE612	Project	Manpreet Kaur	Synthesis of novel ligands for the preparation of porous coordination polymers
4	CHE612	Project	Rupali	Uncalcinated CdFe ₂ O ₄ Nanoparticles for the Degradation Of Brilliant Blue Dye Under Sunlight Irradiation
5	CHE612	Project	Mandip Kour	Facile Synthesis and Characterization of Cadmium Ferrites Nanoparticles
6	CHE612	Project	Anamika	Synthesis and characterization of zinc ferrites nanoparticles
7	CHE612	Project	Kinjal Sharma	Synthesis and characterization of Zn _{1-x} Co _x FeCl ₂ nanoparticles
8	CHE612	Project	Muskan	Synthesis of Ni _{1-x} CoFeCl ₂ ferrites and their characterization
9	CHE612	Project	Pariva Mahajan	Design and evaluation of chitosan and starch based drug carrier for delivery of cefixime
10	CHE612	Project	Sanchita	Design and evaluation of chitosan and karaya gum based drug carrier for delivery of Diclofenac sodium
11	CHE612	Project	Kritika Behal	Drug delivery of Amoxicillin using chitosan and Carboxymethyl cellulose hydrogel

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DEPARTMENT OF CHEMISTRY(2022-2023)				
Sr.No	Course code	Course name	Student name	Name of Project
1	CHE612	Project	Das Manmeet Kaur	Synthesis and study of photocatalytic activity of SiO ₂ monolith
2	CHE612	Project	Harshita Rana	Synthesis of Schiff's base
3	CHE612	Project	Akriti	Doped Perovskite Material for Photocatalytic Wastewater Treatment
4	CHE612	Project	Farha Begum	Reduction of 4-Nitrophenol via Magnesium Doped Bismuth Ferrites Nanoparticles
5	CHE612	Project	Parul Batra	Calcinated Bismuth Ferrites Nanoparticles for the facile Reduction of 4-Nitrophenol
6	CHE612	Project	Diksha Thakur	Design and evaluation of chitosan and karaya gum based drug carrier for delivery of fluorescein
7	CHE612	Project	Sarita	Drug delivery of atenolol using hybrid chitosan and dextrin hydrogel
8	CHE612	Project	Saiman	Design and evaluation of gelatin and sodium alginate based drug carrier for delivery of methylene blue
9	CHE612	Project	Aditi	Facile Synthesis of Perovskite Based Material for the Degradation of Industrial Pollutants

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DEPARTMENT OF BOTANY (2020-2021)				
Sr.No	Course code	Course name	Student name	Name of Project
1	BOT624	Project	Priyanka Saini	Pharmacological activities of <i>Urtica dioica</i>
2	BOT624	Project	Priyanka	Morphology, phytochemistry and pharmacological effects of <i>Myrtus cummunis</i> L.
3	BOT624	Project	Swati	Bioactivities of essential oil and other plant extracts obtained from asteraceae family
4	BOT624	Project	Nentia Chib	Study of medicinal plants of hiranagar tehsil of kathua district, Jammu and Kashmir, India
5	BOT624	Project	Sonali Koundal	Exploring the nutritional, phytochemical and phrmacological properties in fruits of <i>Sechium elude</i>
6	BOT624	Project	Komal Jarmal	Ethnobotanical survey on wild edible plants of ramnagar tehsil of Jammu and Kashmir, India
7	BOT624	Project	Shivali	Phosphorus uptake in plants
8	BOT624	Project	Priya	Toxicity of phosphorus in plants a review

DEPARTMENT OF BOTANY (2021-2022)				
Sr.No	Course code	Course name	Student name	Name of Project
1	BOT624	Project	Sakshi Pathania	Evaluation of structural changes in <i>Cicer arietinum</i> L. genotypes grown under combined stress of NaCl and Anthracene
2	BOT624	Project	Nisha Devi	Evaluation of structural changes in <i>Cicer arietinum</i> L. genotypes grown under combined stress of NaCl and Phenanthrene
3	BOT624	Project	Anavi	Effects of essential oils of <i>Amaranthus caudatus</i>

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DEPARTMENT OF CIVIL ENGINEERING (2019-2020)				
Sr.No	Course code	Course name	Student name	Name of Project
1	BCE425	Project	Krishan kumar	seismic analysis of structure with steel plate shear walls by response spectrum
2	BCE425	Project	Gurpreet Singh	Shear behaviour of steel fiber reinforced self-compacting concrete beams

DEPARTMENT OF CIVIL ENGINEERING (2020-2021)				
Sr.No	Course code	Course name	Student name	Name of Project
1	BCE425	Project	Riya	Behaviour of bamboo reinforced concrete members with partial replacement of cement with seba
2	BCE425	Project	Harminder kaur taraitia	Investigation of mechanical properties of concrete member using bamboo as reinforcement
3	BCE425	Project	Karanbir singh taraitia	To evaluate the bond behaviour of conventional steel bars vis-à-vis GFRP bars subjected to various curing conditions

DEPARTMENT OF CIVIL ENGINEERING (2021-2022)				
Sr.No	Course code	Course name	Student name	Name of Project
1	BCE425	Project	Bharat puri	Partial replacement of cement with fal-g material and silica fume

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS						
S.No	Year	Course Code	Supervisor Name	Course Name	Student Name	Name of Project
1.	2020-22	CSA689	Dr. Arvind Mahindru	Major Project	Namika	Bookspot
2.	2020-22	CSA689	Dr. Arvind Mahindru	Major Project	Komalpreet Kaur	Student Attendance Mangement Sytem
3.	2020-22	CSA689	Dr. Arvind Mahindru	Major Project	Mandip Kumar	SpeedyFood
4.	2020-22	CSA689	Dr. Arvind Mahindru	Major Project	Muskan	Biddind War
5.	2020-22	CSA689	Dr. Arvind Mahindru	Major Project	Arsh	CRINET
6.	2021-22	CSA313	Shaveta Chutani	Minor Project	Abhishek Manhas	Airline Ticket Reservation System
7.	2021-22	CSA313	Shaveta Chutani	Minor Project	Kajal Manhas	Web3.0 Blockchain Application
8.	2021-22	CSA313	Shaveta Chutani	Minor Project	Aniket	Airline Ticket Reservation
9.	2021-22	CSA313	Shaveta Chutani	Minor Project	Sourav Bains	Hotel Management System
10.	2021-22	CSA313	Shaveta Chutani	Minor Project	Amit Bains	Hotel Management System
11.	2021-22	CSA313	Shaveta Chutani	Minor Project	Manvi	Livre(E-Book Website)
12.	2021-22	CSA313	Shaveta Chutani	Minor Project	Nisha	Online Voting System
13.	2021-22	CSA313	Shaveta Chutani	Minor Project	Yogesh	Land Price Prediction
14.	2021-22	CSA313	Shaveta Chutani	Minor Project	Satwinder	Land Price Prediction
15.	2021-22	CSA313	Shaveta Chutani	Minor Project	Muskan	Event Management System
16.	2021-22	CSA313	Shaveta Chutani	Minor Project	Rishav Rana	Online Shopping Digital Products
17.	2021-22	CSA313	Shaveta Chutani	Minor Project	Mridul	Tourism Management System
18.	2021-22	CSA313	Shaveta Chutani	Minor Project	Sapna Devi	Online Voting System
19.	2021-22	CSA313	Shaveta Chutani	Minor Project	Ashutosh Jaggi	Tourism Management System
20.	2021-22	CSA313	Shaveta Chutani	Minor Project	Dheeraj	Job Portal

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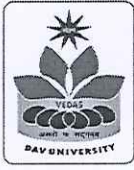
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21.	2021-22	CSA689	Dr. Hiteshwari Sabrol	Major Project	Kunal Singh and Ritik Sharma	Food Ordering
22.	2021-22	CSA689	Dr. Hiteshwari Sabrol	Major Project	Prabhbir Kaur, Vishal Ghai and AAYush Saxena	Frut Leaf Disease Detection System
23.	2022-23	CSA689	Dr. Hiteshwari Sabrol	Major Project	Ankita Mehra	News Website Portal
24.	2022-23	CSA313	Shaveta Chutani	Minor Project	Anamika Thakur	PG Life
25.	2022-23	CSA313	Shaveta Chutani	Minor Project	Onisha	PG Life
26.	2022-23	CSA313	Shaveta Chutani	Minor Project	Mohit Kapoor	Footware Support Management System
27.	2022-23	CSA313	Shaveta Chutani	Minor Project	Rimple	Footware Support Management System
28.	2022-23	CSA313	Shaveta Chutani	Minor Project	Aditi	Footware Support Management System
29.	2022-23	CSA313	Shaveta Chutani	Minor Project	Sahil	Web3 Blockchain Crown Funding Platform
30.	2022-23	CSA313	Shaveta Chutani	Minor Project	Taranpreet Singh	Web3 Blockchain Crown Funding Platform
31.	2022-23	CSA313	Shaveta Chutani	Minor Project	Rimple	Footware store Management system
32.	2022-23	CSA313	Shaveta Chutani	Minor Project	Taranpreet Singh Kalsi	Car Rental Portal
33.	2022-23	CSA313	Gulshan Kumar	Minor Project	Varinder Singh	Vehicle Rental Website
34.	2022-23	CSA313	Gulshan Kumar	Minor Project	Simran	Online Grocery Store System
35.	2022-23	CSA313	Dr Rajdeep Kaur	Minor Project	Adarsh Raj	Electricity Billing Syatem
36.	2022-23	CSA313	Dr Rajdeep Kaur	Minor Project	Karan Singh Ghelon	Training and Development Management system
37.	2022-23	CSA313	Dr Rajdeep Kaur	Minor Project	Prabjot	Training and Development Management system
38.	2022-23	CSA313	Dr Rajdeep Kaur	Minor Project	Tarun	Fitness and Health App Development System
39.	2022-23	CSA313	Dr Rajdeep Kaur	Minor Project	Urvashi Sharma	Training and Development Management system

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40.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Manjinder Kaur	Fees Management System
41.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Samiksha	Online Shopping App
42.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Yogesh Jassi	B1 Gym
43.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Sakshi	Study Resource Management System
44.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Sanjeev Badhan	Shipping Company
45.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Neeti kumari	Optical Character Recognition
46.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Varun Dutt	Web Scrapping
47.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Kanika Rajput	Optical Character Recognition
48.	2021-23	CSA689	Dr. Arvind Mahindru	Major Project	Manpreet Kaur	E Commerce

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