

Department of Biomedical Engineering
BM-413 Final Year Design Project
Project List



F/SOP/FYDP 02/03/00

Batch _2021__

Semester _Fall 2024_

S.No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
01	Augmentation of thin films using synergistic effect of herbs for buccal mucosal ulcer: A potential tissue engineering application	1.Nashra Ashraf Gatta 2.Alizah Rehman 3.Warisha Athar 4.Syeda Zoha Ahmed	Dr. Madeeha Sadia (S) Dr. Iftikhar Ahmed Channa (Co) Ms. Rehana Kausar (Co)	
02	Design and evaluation of hydrogel scaffolds for breast reconstruction applications	1.Muneeb Mohammad Inam 2. Muhammad Hassan Asif 3. Rafay Jamal 4.Faizan Siraj	Dr. Engr. Eraj Humayun Mirza (S) Dr. Syed Faraz Jawed (Co) Engr. Amna Amin Sethi (Co) Engr. Nafia Jawaid Kurd (Co)	
03	Fabrication of composite nanoparticles and its coating and characterization on 316L stainless steel for orthopedic application	1.Maryam Fatima 2.Muhammad Humaiz Nawaid 3. Muhammad Daniyal 4.Izaan Ur Rehman Kidwai	Dr. Syed Faraz Jawed (S) Dr. Engr. Eraj Humayun Mirza (Co) Dr. Muhammad Rizwan (Co)	Engr. Hajra Ghafoor Noor International
04	Synthesis and characterization of Silver nanoparticles from Musa Paradisiaca as antibacterial additive in Dental Fillers	1. Mahnoor Naeem 2. Maham Javed 3. Tooba Amir 4. Fatima Abbas	Dr. Saima Kashif (S) Dr. Ali Dad Chandio (Co)	Dr. Afshen Aman KIBGE, University of Karachi
05	Fabrication of polymer engineered herbal biomaterial for cardiovascular graft intervention	1.Ramsha Khan 2. Hafsa Ali 3. Ifra Amir 4. Hafsa Fatima	Dr. Madeeha Sadia (S) Dr. Iftikhar Ahmed Channa (Co) Ms. Rehana Kausar (Co)	
06	Fundus Image Analysis: A Comparative Study of Texture Features and Deep Learning for Disease Diagnosis	1.Shanza Rizwan 2.Zunairah Nomaan 3.Syed Fahad Ali	Dr. Engr. Eraj Humayun Mirza (S) Dr. Ahmad Zahid Rao (Co)	

FYDP Coordinator

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30/09/2024

FYDP Review Committee Head

Chairperson

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20/09/2024

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S.No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
		4. Salha Minhaj		
07	Fabrication and Characterization of electroconductive hydrogels	1.Aliza Yousuf 2.Laraib Ahmed 3.Bisma Batool 4.Anshara Salik	Engr. Nafia Jawaid Kurd (S) Dr. Engr. Eraj Humayun Mirza (Co)	Engr. Tooba Khan Salim Habib University
08	From Graphite to Graphene Oxide: Fabrication and Material Characterization	1.Bisma Arif 2.Romesa Arshad 3.Ramna Ayub 4.Hoorain Sajjad	Engr. Amna Amin Sethi (S) Dr. Engr. Eraj Humayun Mirza (Co)	
09	Synthesis and characterization of silver nanoparticles from Azadirachta indica for biodegradable wound healing applications	1.Saman Arif 2.Nabiha Tahir 3.Nabia Sohail 4.Barrirah Amir	Dr. Saima Kashif (S) Dr. Fayaz Hussain (Co)	Dr. Asma Ansari KIBGE, University of Karachi
10	Design and Development of a Neuro-stimulation Device	1.Samavia Mushtaq 2.Alishba Mushtaq 3.Syeda Ayesha Sohail 4.Sadia Fatima	Dr. M. Abul Hassan (S) Dr. M. Danish Mujeeb (Co)	
11	Synthesis and characterization of zinc oxide nanoparticles from biowaste for toxic dye: A green approach	1.Muhammad Sohaib Shahid 2.Hafiz Syed Anas Majid 3.Shanzay Aziz	Dr. Saima Kashif (S)	Dr. Asma Ansari KIBGE, University of Karachi
12	Cost-Effective Chitosan Extraction from Marine Waste with Potential for Blood Clotting in Wound Care	1.Batool Zehra 2.Aleeza Khalid 3.Fatima Asim 4.Syed Ameer Tahir	Engr. Fizza Zia Shaikh (S) Engr. Nafia Jawaid Kurd (Co)	

FYDP Coordinator

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CDM

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S.No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
13	Human movement and force analysis for sports application	1.Rutabah Saad 2.Syeda Dua Fatima 3.Muhammad Wasil Usmani 4.Farva Naqvi	Dr. Ahmad Zahid Rao (S) Dr. M. Abul Hassan (Co)	M. Talha Khan HPSS Karachi University
14	EEG-Based Evaluation for Neuromodulation Therapy	1.Ayesha Junaid 2.Anoosh Hussain Kadri 3.Saleem-uz-zaman 4.Raja Shehryar Ahmad	Dr. M. Danish Mujeeb (S) Dr. M. Abul Hassan (Co)	
15	Deep Cortical Structural Analysis During Neuromodulation for Attention Enhancement	1. Kanz-ul-Eman Ahmed 2.Fatima Ziauddin 3.Batool Mujtaba 4.Samya Tahseen	Dr. M. Abul Hassan (S) Dr. Ahmad Zahid Rao (Co)	
16	Unified Speech Disorder Therapy System	1.Muhammad Zuhaib Khan 2.Abdur Rehman 3.Abdul Wasay Shahid 4.Muhammad Hood	Dr. M Danish Mujeeb (S) Dr. Ahmad Zahid Rao (Co)	Dr. Kehkashan Kanwal Ziauddin University

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