

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




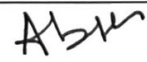
F/SOP/FYDP 02/03/00

Batch 2019

Semester Fall 2022

S.No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
01	Identification of Biomarkers for Colorectal Cancer.	1. Fatima Hashmi 2. Saim Ali Akber 3. Rameen Naeem 4. Saad Khan	Engr. Amna Sethi	Engr. Asma Abrar (AKUH)
02	Estimation of Mean Arterial Blood Pressure Using Simultaneous Oscillometric Blood Pressure Measurement.	1. Rida Saleem 2. Afifa Meraj 3. Osama Khan 4. Yasir Hashmi	Engr. Fizza	Engr. Muhammad Irtiza Sajjad (Sciencq Engineering)
03	Assessing Cue Induced Craving in Cannabis Use Disorder.	1. Wardah Siddiqui 2. Paras Shaikh 3. Muhammad Faizan Ul Haq 4. Bisma Naeem	Dr. Muhammad Abul Hasan Dr. Ahmad Zahid Rao	Mr. Muhammad Sohail Malik (New Horizon Care Center) Engr. Faryal Raees (NCAI)
04	Gender Based Connectomic Comparison of Emotional Health.	1. Maryam Misaal 2. Dua Ijaz 3. Fareha Asif Khan 4. Ehtisham Muqeem	Engr. Tajwar Sultana	Dr. Saadia Aman (Kalyana Medical Center)
05	Combined effect of TDCS and TENS to improve cognitive ability of healthy individuals in pain conditions.	1. Danish Rahim 2. Rahima Ghazi 3. Samra Junaid 4. Shehrzad Mallick	Dr. Muhammad Danish Mujib Dr. Muhammad Abul Hassan	Engr. Maham Hamad (NCAI)
06	Fabrication and Purification of Hydroxyapatite using Biogenic Sources.	1. Elisha Owais 2. Amtul Munum 3. Ayesha Hasan 4. Iraj Fatima	Dr. Syed Faraz Jawed Dr. Eraj Humayun Mirza Dr. Muhammad Rizwan	Engr. Faiza Batool (Alson Technology)
07	Development of Acquisition System for Textile based Sensors Embedded on a smart Shirt for Medical Applications.	1. Mohammad Osaid 2. Sijil Zehra 3. Wardah Fatima 4. Syed Hasan Bin Aman	Dr. Muhammad Abul Hasan Dr. Shenela Naqvi	Engr. Muhammad Afzal Khan (Research Associate, Smart Textile)

  
AHMAD ZAHID RAO  
ASST. PROF.

  
FYPD Review Committee Head

  
DR. ERAJ

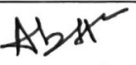
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08	Designing an Adjustable, Wearable Posture Correcting Device.	<ol style="list-style-type: none"> <li>1. Muhammad Ansub</li> <li>2. Madiha Qureshi</li> <li>3. Muhammad Rayyan Merchant</li> <li>4. Obaid Qurni</li> </ol>	<p style="text-align: center;">Engr. Mustafain Ali Dr. Syed M. Wasim</p>	<p style="text-align: center;">Engr. Muhammad Irtiza Sajjad (Sciencq Engineering)</p>
09	Coating and Characterization of Biomaterial on Titanium Substrate for Implant Application.	<ol style="list-style-type: none"> <li>1. Rabika Ahtesham</li> <li>2. Savera Shafiq</li> <li>3. Anum Javed</li> <li>4. Sadia Rashid</li> </ol>	<p style="text-align: center;">Dr. Syed Faraz Jawed Dr. Engr. Eraj Humayun Mirza Dr. Muhammad Ali Siddiqui</p>	<p style="text-align: center;">Engr. Faiza Batool (Alson Technology)</p>
10	Modifying Binaural Beat Stimulation for Improving the Working Memory of Alzheimer's Patients.	<ol style="list-style-type: none"> <li>1. Sarah Syeda Vasty</li> <li>2. Syeda Sehar Hussai</li> <li>3. Shaheera Shoaib</li> <li>4. Faryal Siddiq</li> </ol>	<p style="text-align: center;">Dr. Muhammad Danish Mujib Dr. Muhammad Abul Hasan</p>	<p style="text-align: center;">Dr. Atif Saeed Anjum (Brain and Mind Diagnostic and Rehabilitation Center) Engr. Maham Hamad (NCAI)</p>
11	Design and Development of an Adjustable Lateral Tilt Mechanism for Patient Bed.	<ol style="list-style-type: none"> <li>1. Fareha</li> <li>2. Aliza Khan</li> <li>3. Qudisa Hassan</li> <li>4. Wardah Waseen</li> </ol>	<p style="text-align: center;">Dr. Ahmad Zahid Rao</p>	<p style="text-align: center;">Dr. Faizan Qaiser (Medline Technologies)</p>
12	Design and Development of Powered Exoskeleton for Arm Support.	<ol style="list-style-type: none"> <li>1. Hamza Ebad</li> <li>2. Khushbakht Ashar</li> <li>3. Hadia Nazakat</li> <li>4. Fatima Binte Ali</li> </ol>	<p style="text-align: center;">Dr. Ahmad Zahid Rao</p>	<p style="text-align: center;">Dr. Hadi Rao (MaxilloElite Dental and Implant Centre)</p>
13	Design and Development of Multi-Function Patient Lifting Wheelchair.	<ol style="list-style-type: none"> <li>1. Mohibuddin Ahmed Umer</li> <li>2. Muhammad Saim Asif</li> <li>3. Muhammad Huzail Isani</li> <li>4. Fatima Rashid</li> </ol>	<p style="text-align: center;">Dr. Ahmad Zahid Rao</p>	<p style="text-align: center;">Dr. Salman Farooq (Ma Ayesha Memorial Center)</p>
14	Predicting Early Response of Immunotherapy in Lung Cancer Patient.	<ol style="list-style-type: none"> <li>1. Areesha Asif</li> <li>2. Syeda Minza</li> <li>3. Yumna Fatima</li> <li>4. Fizza Saadat</li> </ol>	<p style="text-align: center;">Engr. Amna Sethi</p>	<p style="text-align: center;">Engr. Muhammad Adeel (JPMC)</p>

  
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15	Neurorehabilitation for Cannabis Use Disorder.	<ol style="list-style-type: none"> <li>1. Manahil Mustafa Khan</li> <li>2. Syed Muhammad Farrukh Mehdi</li> <li>3. Syeda Muneeba Bukhari</li> <li>4. Bibi Zahra Khoso</li> </ol>	Dr. Muhammad Abul Hasan Dr. Ahmad Zahid Rao	Mr. Muhammad Sohail Malik (New Horizon Care Center) Engr. Faryal Raees (NCAI)
16	Synthesis of Chitosan from Exoskeleton of Crustaceans.	<ol style="list-style-type: none"> <li>1. Samrah Khan</li> <li>2. Hamza Bin Haseeb</li> <li>3. Syed Muhammad Talib Ali</li> <li>4. Sadia Hanif</li> </ol>	Dr. Eraj Humayun Mirza Dr. Muhammad Rizwan Dr. Faraz Jawed	N/A
17	Designing a Gait Control Algorithm for a Biped Humanoid Robot.	<ol style="list-style-type: none"> <li>1. Bushra Kaleem</li> <li>2. Tabinda Abidi</li> <li>3. Abid Khan</li> <li>4. Zaha Fatima</li> </ol>	Dr. Riazuddin Engr. Mustafain Ali	Engr. Humayun Khan (NCRA)

FYDP Coordinator   
 AHMAD ZAHID RAO  
 ASST. PROF.

FYDP Review Committee Head   
 Muhammad Abul Hasan

Chairperson   
 DR. ERAJ.