

Department of Metallurgical Engineering
MY-408 Final Year Design Project
Project List



F/SOP/FYDP 02/03/00

Batch **2019**

Semester **Fall Semester 2022**

S. No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
1	Assessment and characterization of Electrical steels	1. MY-16 Fatima Irshad 2. MY-44 Ateeb Aslam 3. MY-45 Nabiya Fahim	Prof. Dr. Ali Dad Chandio/ Dr. Muhammad Ali Siddiqui	N.A
2	To study the problem of adherence of moulding sand mass on cast surfaces of cast iron Sugar Mill Roller (industry project - Karachi Shipyards and Engineering works)	1. MY-27 Musab khan 2. MY-34 S. M. Danish 3. MY-48 M. Umar Ansari	Dr. Nafis ul Haq/ Dr. Laraib Sarfaraz Khanzada	Engr. Muhammad Shoaib Sheikh, Karachi Shipyards
3	Synthesis of ZnO and titania nanostructured for the removal of effluent in Karachi.	1. MY-33 M. Sufyan 2. MY-302 Umer Farooq 3. MY-303 M. Umer Wasim	Dr. Aqeel Ahmed Shah/ Prof. Dr. Ali Dad Chandio	N.A
4	Production and characterization of stainless steel clad rebar. (industry project-Amreli Steels)	1. MY-06 M. Ather Hussain 2. MY-13 Ahsan Muneer 3. MY-22 S. Bazlah Ashfaq	Dr. Muhammad Ali Siddiqui/ Prof. Dr. Ali Dad Chandio	Engr. Noman Sajjad, Amreli Steels
5	Effect of retrogression and re-aging heat treatment of aluminum alloys on the impact and corrosion properties.	1. MY-18028 Amna Sahar 2. MY-23 Hania Shahzad 3. MY-24 Hareem Mansoor 4. MY- 20 Afreen	Dr. Muhammad Ali Siddiqui/ Prof. Dr. Ali Dad Chandio	N.A
6	Enhancement of thermal stability as well as antibacterial properties in the edible packaging films.	1. MY-04 Salah ud Din 2. MY-17 Pakeeza Abid 3. MY-43 Ali Raza Khan	Dr. Iftikhar Ahmed Channa/ Prof. Dr. Ali Dad Chandio	N.A
7	To study the effect of reduction ratio on suppression of internal defects of continuously cast products (industry project-Peoples Steel Mill)	1. MY-02 S. Arhum Hassan 2. MY-10 Anus Bin Usman 3. MY-41 Umer Ahmad	Dr. Laraib Sarfaraz Khanzada/ Dr. Nafis ul Haq/	Mr. Dilawar Muhammad Amjad, Peoples Steel Mill Ltd (via DIL)
8	Electrophoretic deposition of bioactive layer on Ti alloy.	1. MY-18 Maimoona Riaz 2. MY-37 M.Zubair Mukhtar 3. MY-40 Mavia Shahid	Dr. Muhammad Rizwan/ Dr. Muhammad Ali Siddiqui	N.A
9	Investigate the effect of Cu on Titanium based Manganese alloys for bio-medical applications	1. MY-12 Syed Muteeb 2. MY-26 M. Abdullah 3. MY-38 Mirza baig Usama	Dr. ShafaqAsrar/ Dr. Ambreen Azmat	N.A
10	Synthesis and characterization of Ti alloy for biomedical applications.	1. MY-25 Saqaib 2. MY-301 Safia 3. MY-304 Nasar Shah	Dr. Ambreen Azmat/ Dr. Muhammad Ali Siddiqui	N.A
11	Effect of chlorine-based environment on boiler tubes steel grades in waste to energy plant	1. MY-19 Hafsa Shahid 2. MY-49 M. Ibrahim	Dr. Waseem Khan/ Dr. Zubia Anwer	N.A

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		3. MY-50 M. Younus		
12	High-Temperature study of diffusion aluminide coated martensitic stainless steel	1. MY-07 Ahmed Irtasam 2. MY-08 S. Baqir Ali Kazmi	Dr. Zubia Anwer/ Prof. Dr. Ali Dad Chandio	N.A
13	To study the causes of a high percentage of rejection in Foundry shop Karachi Shipyards and Engineering works ltd) (industry project - Karachi Shipyards and Engineering works)	1. MY-11 M. Faisal Nafees 2. MY-14 Humna Hassan 3. MY-28 Muhammad Haris	Engr. Hammad ur Rahman / Dr. Nafis ul Haq	Engr. Muhammad Shoaib Sheikh, Karachi Shipyards
14	Studying and enhancing the corrosion resistance of outer body panel of car.	1. MY-09 Hafiz Muddsar 2. MY-29 M.Sohaib Sarfaraz 3. MY-17074 S. Irtaza Hussain	Engr. Jahanzeb Bhatti/ Prof. Dr. Ali Dad Chandio	N.A

FYDP Coordinator: **Dr. M. Ali Siddiqui**
Dated 28-10-2022

FYDP Review Committee Head: **Prof. Dr. Shahid Hussain**

Chairperson: **Prof. Dr. Ali Dad Chandio**