University of Mosul

College of Computer Science and Mathematics

Department of Operations Research and Intelligent Techniques

Names of Graduation Projects for the Fourth Stage

For the Academic Year 2022-2023

Sequence	Instructor's name	Project Name	Student names
.1	Dr. Huda Issam Ahmed	Using the Firefly Algorithm to Solve Nonlinear Problems	Mohammed Younis + Ziad Dakhil
.2		Using the Firefly Algorithm to Solve Nonlinear Problems	Hussein Sabah + Saud Nashwan
.3	Dr.Eman Tarik hamed	Using the bat algorithm to solve nonlinear equations and find the optimal solution	Omar Hazem + Hashem Ammar
.4	Dr.Edrees M.Nori	Encryption using matrices	Sahar Khalil + Aida Mohammed
.5		Approximation using the least squares method	Mahdi Mohammed + Shukria Salah
.6	Dr.Hutheyfa Hazeim Taha	Using Artificial Neural Networks to Adapt Weather Conditions in Nineveh Governorate	Hala Diab
.7		Using Rules to Predict Weather Conditions	Nour Falah
.8	Dr.Niam Abdulmunim Abdulmajeed	Using Intelligent Techniques to Solve the Traveling Salesman Problem	Zaid Salem Ramadan
.9		Improving the Complementary Method for Solving Linear Fractional Programming Problems	Zaid Salem Ramadan
.10	Dr.Ghazwan Alsoufi	Some shortest path and spanning tree algorithms	Imad Boutros + Mariana Wissam
.11	Dr.Oday Abdulrahman jarjies	Using the optimization program (Lindo) to solve linear programming problems in business organizations	Baidaa Abdel Razzaq + Rahma Salah
.12		Event scheduling in a multi-M/M/2 queue simulation	Sara Farid + Michel Zuhair
.13	Dr.Saleh Muayad Shakir	Digital Image Processing	Shahed Mohammed + Nour Ibrahim
		Using the Fortified Method to Estimate Regression Parameters	Hanin Jassim + Rahma Talib
.14	Dr.Zahraa Abed-Al-Aziz Taha	Branching Process	Ahmed Muhand + Harith Amer

.15		Decision Theory and Its Role in Operations Research	Abdul Salam Nasser + Khaled Abdullah

Sequence	Instructor's name	Project Name	Student names
.16	Dr.Manal Salim Hamdi	Using (Matlab/Simulink) in Electromechanical Applications	Najah Hassan + Younis Mohammed
.17		Using (ARIMA) Models for Forecasting in Time Series	Ahmed Talal + Lina Khaled
.18	Dr.Zainab tawfiq hamid	Using the range chart and standard deviation chart in quality control with application	Haider Mohammed + Hatem Hamou
.19	Dr.Neaam hazem ahmed	Decision Making Using Fuzzy Techniques	Tamara Ghassan + Shahd Fawaz
.20		Training and Testing Artificial Neural Networks	Ziad Shaker + Khamail Abdul
.21	Asmaa abdulmnem abdullah	Numerical Differentiation and Integration in MATLAB	Heba Mohamed Ragab
.22		Solving Differential Equations Numerically	Abdullah Marwan + Yassin Shukr
.23	Saifuldeen Dheyauldeen Saeed	Improving the ratio estimation capabilities for estimating the population mean using the maximum value of the auxiliary variable	Ruba Jassim + Mohammed Mahmoud
.24			
.25	Lamyaa Jasim Mohammed	Using business network models in project planning and monitoring. An applied study of the Spring Park project in Nineveh Governorate	Shahd Wassim + Heba Saad
.26			
.27	Mazin Mohammed Ghanim	heterogeneity problem	Rasul Youssef + Marwa Ahmed
.28	Ahmed Naziyah Abdullah	A comparative study of some fuzzy regression models	Saleh Khaled + Aouf Abdel Rahman
.29			
.30	Ghalya tawfiq hamid	Finding the optimal solution to the backpack problem	Zahraa Raed + Sarah Maysar
		Finding the optimal solution to the traveling salesman problem	Ibrar Mohammed + Dalia Saddam