University of Duhok

College of Engineering

Final Year Projects (FYP) Regulations

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ﺔﺳﺪﻨﻬﻟﺍ ﺔﻴﻠﻛ ﺝﺮﺨﺗ ﻉﻭﺮﺸﻣ ﺕﺎﻤﻴﻠﻌﺗ

ﻉﻭﺮﺸﻤﻟﺍ ﺓﺭﺍﺩﺍ .۱

ﺔﺌﻴﻬﻟﺍ ءﺎﻀﻋﺍ ﻦﻣ ﺪﺣﺍﻭ ﻑﺮﺸﻣ ﻊﻣ ﺏﻼﻁ ﺔﺴﻤﺧ ﻰﻟﺍ ﺔﺛﻼﺛ ﻦﻣ ﻉﻭﺮﺸﻤﻟﺍ ﺔﻋﻮﻤﺠﻣ ﻥﻮﻜﺘﺗ .ﺃ

.ﺺﺼﺨﺗ ﻦﻣ ﺮﺜﻛﺍ ﻉﻭﺮﺸﻤﻟﺍ ﺐﻠﻄﺗ ﺍﺫﺍ ﻲﻧﺎﺛ ﻑﺮﺸﻣ ﺩﻮﺟﻭ ﻦﻣ ﻊﻧﺎﻣﻻﻭ ﺔﻴﺴﻳﺭﺪﺘﻟﺍ

:ﻲﺗﻻﺎﻛ ﺔﺒﻠﻄﻟﺍ ﻦﻴﺑ ﻡﺎﻬﻤﻟﺍ ﻊﻳﺯﻮﺗ ﻰﻠﻋ ﺔﺒﻠﻄﻟﺍ ﻊﻣ ﻑﺮﺸﻤﻟﺍ ﻖﻔﺘﻳ .ﺏ

ﺮﻴﻓﻮﺗ ﻝﻮﺣ ﻑﺮﺸﻤﻟﺍﻭ ﻢﺴﻘﻟﺍ ﺓﺭﺍﺩﺍ ﻦﻴﺑ ﻖﻴﺴﻨﺘﻟﺍ ﻪﺘﻤﻬﻣ ﺔﻋﻮﻤﺠﻤﻠﻟ ﺪﺋﺎﻗ ﺭﺎﻴﺘﺧﺍ •

.ﺕﺎﻋﺎﻤﺘﺟﻻﺍ ﺪﻴﻋﺍﻮﻣ ﺪﻳﺪﺤﺗﻭ ﻉﻭﺮﺸﻤﻟﺍ ﺕﺎﻣﺰﻠﺘﺴﻣ ﻲﺋﺎﻬﻨﻟﺍ ﻞﻜﺸﻟﺎﺑ ﻉﻭﺮﺸﻤﻟﺍ ﺔﺑﺎﺘﻜﻟ ﺔﻳﺭﻭﺮﻀﻟﺍ ﺕﺎﻣﺰﻠﺘﺴﻤﻟﺍ ﺮﻴﻓﻮﺗﻭ ﻖﻴﺛﻮﻨﻟﺍ ﻦﻋ ﻝﺅﻮﺴﻣ •

.ﺓﺩﺎﻤﻌﻟﺍﻭ ﻢﺴﻘﻟﺍ ﻦﻣ ﺔﺑﻮﻠﻄﻤﻟﺍ ﺔﻐﻴﻀﻟﺍ ﺐﺴﺣﻭ

ﻉﻭﺮﺸﻤﻟﺍ ﺕﺎﺟﺎﻴﺘﺣﺍ ﺮﻴﻓﻮﺗ ﺔﻌﺑﺎﺘﻣ ﺔﻌﺑﺎﺘﻣ ﻦﻋ ﻝﻭﺆﺴﻣ •

ﺮﻴﻀﺤﺗﻭ ﺔﻴﺋﺎﻬﻨﻟﺍﻭ ﺔﻴﻟﻭﻻﺍ ﻪﻠﺣﺍﺮﻣ ﻲﻓ ﻉﻭﺮﺸﻤﻟﺍ ﺽﺮﻌﻟ ﺕﺎﺟﺎﻴﻨﺣﻻﺍ ﻦﻋ ﻝﻭﺆﺴﻣ •

.ﺮﺘﺳﻮﺒﻟﺍ

ﻭﺍ ﺝﺭﺎﺧ ﻦﻣ ﻦﻴﺼﺘﺨﻤﻟﺎﺑ ﻝﺎﺼﺗﻻﺍﻭ ﺐﺘﻛﻭ ﺕﺎﻳﺭﻭﺩ ﻦﻣ ﺭﺩﺎﺼﻤﻟﺍ ﻦﻋ ﺚﺤﺒﻠﻟ ﻝﻭﺆﺴﻣ •

.ﺚﺤﺒﻟﺍ ﺺﺼﺨﺗ ﻲﻓ ﺓﺮﺒﺧﻭ ﻡﺎﻤﺘﻫﺍ ﻢﻬﻟ ﻦﻤﻣ ﺔﻌﻣﺎﺠﻟﺍ ﻞﺧﺍﺩ

: ﻲﺗﻻﺍ ﻦﻤﻀﺘﻳ ﻱﺭﺍﺩﺍ ﻝﻭﺪﺠﺑ ﺓﺮﻔﻓ ﻪﻘﻓﺍﺮﻳ ﻥﺍ ﺐﺠﻳ ﻉﻭﺮﺸﻣ ﺡﺮﺘﻘﻣ ﻞﻛ .ﺕ

ﺐﻟﺎﻄﻟﺍ ﺔﻤﻫﺎﺴﻣ ﻥﻮﻜﺗ ﺚﻴﺤﺑ ﺔﻋﻮﻤﺠﻤﻟﺍ ﺔﺒﻠﻁ ﻦﻴﺑ ﺔﻴﻨﻔﻟﺍ ﻉﻭﺮﺸﻤﻟﺍ ﺕﺍﺮﻘﻓ ﻊﻳﺯﻮﺗ •

.ﻲﻠﺟ ﻞﻜﺸﺑ ﺎﺤﺿﺍﻭ ﻉﻭﺮﺸﻤﻟﺍ ﺯﺎﺠﻧﺍ ﻲﻓ ﺔﻴﻨﻔﻟﺍ ﺓﺮﻓﻮﺘﻤﻟﺍ ﺕﺎﻣﺰﻠﺘﺴﻤﻟﺍ ﻊﻣ ﻉﻭﺮﺸﻤﻟﺍ ﺕﺍﺮﻘﻓ ﺬﻴﻔﻨﺘﺑ ﻦﻴﻔﻠﻜﻤﻟﺍ ﺔﺒﻠﻄﻟﺍ ءﺎﻤﺳﺍ •

.ﺎﻫﺬﻴﻔﻨﺘﻟ

ﻰﻠﻋ ﻞﻤﻌﻟﺎﺑ ﺓﺮﺷﺎﺒﻣ ﺐﻟﺎﻄﻟﺍ ﺃﺪﺒﻳ ﺚﻴﺤﺑ ﺐﺗﺮﺘﺗ ﻥﺍ ﺐﺠﻳ ﻉﻭﺮﺸﻤﻟﺍ ﺬﻴﻔﻨﺗ ﺕﺍﺮﻘﻓ •

ﺦﻳﺭﺎﺗﻭ ﺎﻬﺑ ﻒﻠﻜﻤﻟﺍ ﺕﺍﺮﻘﻔﻟﺎﺑ ﺎﻴﻨﻣﺯ ﻻﻭﺪﺟ ﻡﺪﻘﻳ ﻥﺍ ﺐﻟﺎﻄﻟﺍ ﻰﻠﻋﻭ ﻪﺑ ﻒﻠﻜﻤﻟﺍ ءﺰﺠﻟﺍ ﺚﺒﺣ ﻞﺜﻣﺍ ﻞﻜﺸﺑ ﺕﺍﺮﻘﻔﻟﺍ ﻩﺬﻫ ﺪﻔﻨﺗ ﻥﺍ ﻁﺮﺘﺸﻳﻻﻭ ﺎﻫﺬﻴﻔﻨﺗ ﻦﻣ ءﺎﻬﺘﻧﻻﺍﻭ ﺃﺪﺒﻟﺍ

.ﻞﻜﻛ ﻉﻭﺮﺸﻤﻟﺍ ﺬﻴﻔﻨﺗ ﺪﻨﻋ ﻚﻟﺫ ﻙﺮﺘﻳ

.ﻉﻭﺮﺸﻤﻟﺍ ﺬﻴﻔﺘﻨﻟ ﺓﺮﻓﻮﺘﻤﻟﺍ ﺩﺭﺍﻮﻤﻟﺍﻭ ﺕﺎﻣﺰﻠﺘﺴﻤﻟﺍ ﻦﻤﻀﺘﻳ ﻡﺎﻋ ﻝﻭﺪﺟ •

ﻉﻭﺮﺸﻤﻟﺍ ﻝﺎﻤﻛﻻ ﺎﻴﻨﻣﺯ ﻻﻭﺪﺟ ﻦﻤﻀﺘﻳ ﺐﺠﻳ ﻱﺭﺍﺩﻻﺍ ﻝﻭﺪﺠﻟﺍ ﻦﻣ ﻯﺮﺧﻻﺍ ﺓﺮﻘﻔﻟﺍ •

. ﺮﻳﺭﺎﻘﺘﻟﺍ ﻢﻳﺪﻘﺗ ﺕﺎﻗﻭﺍ ﻰﻟﺍ ﺓﺭﺎﺷﻻﺍ ﻊﻣ

ﻑﺮﺸﻤﻟﺍ .۲

ﻥﺍ ﻑﺮﺸﻤﻟﺍ ﻦﻣ ﻊﻗﻮﺘﻳﻻﻭ ﺔﻴﺴﻳﺭﺪﺘﻟﺍ ﺔﺌﻴﻬﻟﺍ ءﺎﻀﻋﺍ ﺪﺣﺍ ﻮﻫ ﻉﻭﺮﺸﻣ ﻞﻛ ﻰﻠﻋ ﻑﺮﺸﻤﻟﺍ

ﺔﻠﻜﺸﻤﻠﻟ ﺔﺑﻮﻠﻄﻤﻟﺍ ﺕﺎﻔﺻﺍﻮﻤﻟﺍ ﻮﺤﻧ ﺎﻣﺪﻘﺗ ﺯﺮﺤﺗ ﺔﻋﻮﻤﺠﻤﻟﺍ ﻥﺍ ﻦﻣ ﺪﻛﺄﺘﻳ ﺎﻤﻧﺍﻭ ﻢﻴﻤﺼﺘﻟﺍ ﻲﻓ ﻢﻫﺎﺴﻳ

.ﺓﺩﺪﺤﻤﻟﺍ ﺎﻬﺗﺎﻗﻭﺍ ﻲﻓ ﺐﻴﻟﺎﻄﻤﻟﺍ ﺔﻓﺎﻛ ﻡﺪﻘﻳﻭ ﺝﺯﻮﻤﻨﻟﺍ ﺺﺤﻔﻳﻭ ﻞﻤﻜﻳﻭ

ﻢﻴﻤﺼﺘﻟﺍ ﻦﻴﺴﺤﺗﻭ

:ﻲﺗ ﻻﺎﺑ ﻑﺮﺸﻤﻟﺍ ﺕﺎﺒﺟﺍﻭ ﺺﻴﺨﻠﺗ ﻦﻜﻤﻳ

ﻢﻠﺴﻳﻭ ﺮﻳﺮﻘﺗ ﻞﻛ ﻢﻴﻘﻳﻭ ﺎﻬﻴﻠﻋ ﻪﺗﺎﺣﺍﺮﺘﻗﺍﻭ ﻪﺗﺎﻈﺣﻼﻣ ﺐﺘﻜﻳﻭ ﺔﺒﻠﻄﻟﺍ ﺮﻳﺭﺎﻘﺗ ﺃﺮﻘﻳ 

.ﻉﻮﺒﺳﺍ ﻝﻼﺧ ﺔﺒﻠﻄﻟﺍ ﻰﻟﺍ ﺮﻳﺭﺎﻘﺘﻟﺍ

ﻉﻭﺮﺸﻤﻟﺍ ﻲﻓ ﻡﺪﻘﺘﻟﺍ ﻢﻴﻴﻘﺘﻟ ﻉﻮﺒﺳﺍ ﻞﻛ ﻞﻗﻻﺍ ﻰﻠﻋ ﺓﺮﻣ ﺔﻋﻮﻤﺠﻤﻟﺍ ﻊﻣ ﻊﻤﺘﺠﻳ 

ﺔﺑﺎﺘﻜﻟﺍ ﻦﻣ) ﻉﻭﺮﺸﻤﻟﺍ ﺓﺭﺍﺩﺍ ﻭ ﻢﻴﻤﺼﺘﻟﺍ ﻰﻠﻋ ﻪﺗﺎﺣﺍﺮﺘﻗﺍﻭ ﻪﺗﺎﻈﺣﻼﻣ ﻲﻄﻌﻳﻭ

.(ﻱﻮﻔﺸﻟﺍ ﺽﺮﻌﻟﺍﻭ

.ﺐﻟﺎﻁ ﻞﻜﻟ ﺔﻴﻨﻔﻟﺍ ﺔﻤﻫﺎﺴﻤﻟﺍ ﻚﻟﺬﻛﻭ ﻞﻜﻛ ﺔﻋﻮﻤﺠﻤﻟﺍ ﻢﻴﻘﻳ 

.ﺔﺤﺿﺍﻭ ﺔﻴﻤﻴﻤﺼﺗ ﺕﺎﻔﺻﺍﻮﻣ ﻊﻣ ﺪﻴﺟ ﺡﺮﺘﻘﻣ ﻢﻳﺪﻘﺗ ﻲﻓ ﺔﺒﻠﻄﻟﺍ ﺪﻋﺎﺴﻳ 

.ﺔﺒﻠﻄﻟﺍ ﺕﺍﺭﺎﻨﻤﻴﺳ ﻲﻓ ﺍﺪﺟﺍﻮﺘﻣ ﻥﻮﻜﻳ 

.ﻉﻭﺮﺸﻤﻟﺍ ﺬﻴﻔﻨﺘﻟ ﺓﺪﻴﺟ ﺔﻄﺧ ﻢﻳﺪﻘﺘﻟ ﺔﺒﻠﻄﻟﺍ ﺓﺪﻋﺎﺴﻣ 

.ﺮﻤﺘﺴﻣ ﻞﻜﺸﺑﻭ ﻪﻴﻟﺎﻋ ﺔﻤﻬﺑ

ﻉﻭﺮﺸﻤﻟﺍ ﻰﻠﻋ ﻞﻤﻌﺗ ﺔﻋﻮﻤﺠﻤﻟﺍ ﻥﺍ ﻦﻣ ﺪﻛﺄﺘﻟﺍ 

ﻞﻴﻬﺴﺗﻭ ﻉﻭﺮﺸﻤﻠﻟ ﺔﻣﺯﻼﻟﺍ ﺓﺰﻬﺟﻻﺍﻭ ﺩﺍﻮﻤﻟﺍ ﻰﻠﻋ ﻝﻮﺼﺤﻟﺍ ﻲﻓ ﺔﺒﻠﻄﻟﺍ ﺓﺪﻋﺎﺴﻣ 

.ﺔﻴﻠﻜﻟﺍ ﻭﺍ ﻢﺴﻘﻟﺍ ﺕﺍﺮﺒﺘﺨﻣ ﻡﺍﺪﺨﺘﺳﺍ ﻲﻓ ﻢﻬﺘﻤﻬﻣ

:ﻲﺗﻻﺍ ﻞﻜﺸﻟﺎﺑﻭ ﺔﺒﻠﻄﻟﺍ ﻰﻠﻋ

ﻢﺴﻗ ﻞﻛ ﻲﺴﻴﻳﺭﺪﺗ ﻞﺒﻗ ﻦﻣ ﺕﺍﺮﺿﺎﺤﻣ ﻰﻘﻠﺗ .٣

.ﺮﺘﺳﻮﺑ ﻞﻤﻋ ﺔﻴﻔﻴﻛﻭ

. ﺮﻳﺮﻘﺘﻟﺍ ﺔﺑﺎﺘﻛ ﺔﻴﻔﻴﻛ •

.ﻉﻭﺮﺸﻤﻟﺍ ﺓﺭﺍﺩﺍ ﺔﻴﻔﻴﻛ •

ﻉﻭﺮﺸﻤﻟﺍ ﺽﺮﻌﻳ ﻒﻴﻛ •

.ﻉﻭﺮﺸﻤﻟﺍ ﺡﺮﺘﻘﻣ ﺔﺑﺎﺘﻛ ﺔﻴﻔﻴﻛ •

عوﺮﺸﻤﻟا ﺬﻴﻔﻨﺘﻟ ﻲﻨﻣﺰﻟا ﺐﻴﺗﺮﺘﻟا .٤

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| --- | --- | --- |
| **ﻞﻴﺻﺎﻔﺘﻟﺍ** | **ﺍﺫﺍ)ﺡﺮﺘﻘﻤﻟﺍ ﺦﻳﺭﺎﺘﻟﺍ****(ﻪﻘﻴﺒﻄﺗ ﻦﻜﻣﺍ** | ﻉﻮﺒﺳﻻﺍ |
| .ﻢﺴﻘﻟﺍ ﺞﻣﺎﻧﺮﺑ ﺐﺴﺣﻭ ﺔﺒﻠﻄﻟﺍ ﻰﻠﻋ ﻊﻳﺭﺎﺸﻤﻟﺍ ﻊﻳﺯﻮﺗﻭ ﻦﻴﻓﺮﺸﻤﻟﺍ ﺪﻳﺪﺤﺗ | ﻲﻧﺎﺜﻟﺍ ﻦﻳﺮﺸﺗ ٥- ١ | ١ |
| ﻉﻭﺮﺸﻤﻟﺍ ﺔﻌﻴﺒﻃ ﻞﺼﻔﻣ ﻞﻜﺸﺑ ﻢﻬﻟ ﺡﺮﺸﻴﻟ ﻑﺮﺸﻤﻟﺍ ﺔﻌﺟﺍﺮﻣ ﺔﺒﻠﻄﻟﺍ ﻰﻠﻋ ﺐﺠﻳ.ﺔﻠﺒﻘﻤﻟﺍ ﺓﺮﻨﻔﻟﺍ ﻝﻼﺧ ﻩﺰﺠﻨﻴﺳﺎﻣﻭ ﻪﺗﺎﻔﺻﺍﻮﻣﻭ | ﻲﻧﺎﺜﻟﺍ ﻦﻳﺮﺸﺗ ١٢ - ٨ | ٢ |
| .ﻉﻭﺮﺸﻤﻠﻟ ﻲﻨﻣﺰﻟﺍ ﺐﻴﺗﺮﺘﻟﺍﻭ ﻲﻟﻭﺍ ﺡﺮﺘﻘﻣ ﻢﻳﺪﻘﺗ ﺔﺒﻠﻄﻟﺍ ﻰﻠﻋ | ﻰﻟﺍ ﻲﻧﺎﺜﻟﺍ ﻦﻳﺮﺸﺗ ٢٩ﻝﻭﻻﺍ ﻥﻮﻧﺎﻛ ٤ | ٥ |
| ﻪﺗﺎﻈﺣﻼﻣ ءﺍﺪﺑﺍﻭ ﻉﻭﺮﺸﻤﻠﻟ ﻲﻨﻣﺰﻟﺍ ﺐﻴﺗﺮﺘﻟﺍﻭ ﻲﻟﻭﻻﺍ ﺡﺮﺘﻘﻤﻟﺍ ﺓءﺍﺮﻗ ﻑﺮﺸﻤﻟﺍ ﻰﻠﻋﺔﻴﻘﺑ ﻡﺎﻣﺍ ﻩﻭﺰﺠﻧﺍﺎﻣ ﻢﻳﺪﻘﺘﻟ ﺮﻴﻀﺤﺘﻟﺍﻭ ﻲﺋﺎﻬﻨﻟﺍ ﺡﺮﺘﻘﻤﻟﺍ ﻢﻳﺪﻘﺗ ﺔﻴﻔﻴﻛ ﻲﻓ ﺔﺒﻠﻄﻟﺍ ﻪﻴﺟﻮﺗﻭ.ﻝﻭﻻﺍ ﻥﻮﻧﺎﻛ ﺮﻬﺷ ﺔﻳﺎﻬﺗ ﻲﻓ ﺔﺒﻠﻄﻟﺍ | ﻝﻭﻻﺍ ﻥﻮﻧﺎﻛ ١٠- ٦ | ٦ |
| .ﻉﻭﺮﺸﻤﻟﺍ ﺬﻴﻔﻨﺘﻟ ﻲﻨﻣﺰﻟﺍ ﺐﻴﺗﺮﺘﻟﺍﻭ ﺡﺮﺘﻘﻤﻟﺍ ﺔﺑﺎﺘﻛ ءﺎﻬﻧﺍ ﺔﺒﻠﻄﻟﺍ ﺔﻓﺎﻛ ﻰﻠﻋ | ﻝﻭﻻﺍ ﻥﻮﺗﺎﻛ ٣١ - ١٣ | ٩ﻭ ٨ ﻭ ٧ |
| -٠ ﻦﻣ ﺔﺟﺭﺩ ﻰﻄﻌﺗﻭ ﺖﻨﻳﻮﺑﺭﻮﺒﻟﺍ ﻡﺍﺪﺤﺘﺳﺎﺑ ﺔﺒﻠﻄﻟﺍﻭ ﻦﻴﻓﺮﺸﻤﻟﺍ ﻰﻠﻋ ﻊﻳﺭﺎﺸﻤﻟﺍ ﺽﺮﻌﺗ.ﻢﺴﻘﻟﺍ ﻲﻓ ﻊﻳﺭﺎﺸﻤﻟﺍ ﺔﻨﺠﻟ ﺪﻨﻋ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻭ ﺐﻟﺎﻃ ﻞﻜﻟ ١٠ | ﻲﻧﺎﺜﻟﺍ ﻥﻮﻧﺎﻛ ٧ - ٣ | ١٠ |
| ﺭﺎﻴﺘﺧﺍ ﺎﻴﻧﺎﺛﻭ ﻉﻭﺮﺸﻤﻟﺍ ﺬﻴﻔﻨﺗ ﺔﻴﻧﺎﻜﻣﻻ ﺔﺳﺍﺭﺩ ﻻﻭﺍ ﻦﻤﻀﺘﻳﻭ ﻝﻭﻻﺍ ﺮﻳﺮﻘﺘﻟﺍ ﺔﺒﻠﻄﻟﺍ ﻡﺪﻘﻳﻑﺮﺸﻤﻟﺍ ﻰﻠﻋﻭ "ﺎﻌﻨﻘﻣ ﺭﺎﻴﺘﺧﻻﺍ ﻥﻮﻜﻳ ﻥﺍ ﻰﻠﻋ ﺬﻴﻔﻨﺘﻠﻟ ﺝﺫﺎﻤﻧ ﺓﺪﻋ ﻦﻴﺑ ﻦﻣ ﺝﺫﻮﻤﺗ ﻦﺴﺣﺍ.ﺮﻳﺮﻘﺘﻟﺍ ﻢﻴﻴﻘﺗ ﻢﺴﻘﻟﺍ ﻦﻣ ﺔﻨﺠﻟﻭ | ﻰﻟﺍ ﻲﻧﺎﺜﻟﺍ ﻥﻮﻧﺎﻛ ١٠ ﻁﺎﺒﺷ ١٨ | ١٢ ﻭ ١١ |
| .ﻥﻻﺍ ﺪﺤﻟ ﺎﻴﻠﻤﻋ ﻩﻭﺮﺠﺗﺃ ﺎﻣ ﻑﺮﺸﻤﻠﻟ ﺔﺒﻠﻄﻟﺍ ﺽﺮﻌﺘﺴﻳ | ﻁﺎﺒﺷ ٢٥ - ٢١ | ١٣ |
| ﻊﻣ ﻉﻭﺮﺸﻤﻟﺍ ﻦﻣ ﻪﻨﻋ ﻝﻭﺆﺴﻤﻟﺍ ءﺰﺠﻟﺍ ﻦﻋ ﻪﻟﻮﻠﺣﻭ ﻩﺭﻮﺼﺗ ﻦﻋ ﺮﻳﺮﻘﺗ ﺐﻟﺎﻃ ﻞﻛ ﻡﺪﻘﻳﺔﻋﻮﻤﺠﻤﻟﺍ ﺎﻬﺣﺮﺘﻘﺗ ﻲﺘﻟﺍ ﻚﻠﺗ ﻦﻋ ﺔﻔﻠﺘﺨﻣ ﻪﺗﺎﺣﺮﺘﻘﻣ ﻥﻮﻜﻳ ﻥﺍ ﻦﻜﻤﻤﻟﺍ ﻦﻣﻭ ﻲﻨﻣﺯ ﻝﻭﺪﺟ.ﻊﻳﺭﺎﺸﻤﻟﺍ ﺔﻨﺠﻟ ﺪﻨﻏ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻭ ﺔﺟﺭﺩ ٥-٠ ﻦﻣ ﺮﻳﺮﻘﺘﻟﺍ ﻢﻴﻴﻘﺗ ﻑﺮﺸﻤﻟﺍ ﻰﻠﻋﻭ | ﺭﺍﺫﺍ ٣ – ﻁﺎﺒﺷ ٢٨ | ١٤ |
| ﻑﺮﺸﻤﻟﺍ ﻡﺎﻣﺍ ﺔﻘﻴﻗﺩ ١٥ ﺓﺪﻤﻟﻭ ﻼﺒﻔﺘﺴﻣ ﻩﻭﺰﺠﻨﻴﺳﺎﻣﻭ ﺔﺒﻠﻄﻟﺍ ﻩﺰﺠﻧﺍ ﺎﻤﻟ ﻲﻧﺎﺜﻟﺍ ﺽﺮﻌﻟﺍﺔﻨﺠﻟ ﺪﻨﻋ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻭ (ﺕﺎﺟﺭﺩ ٥-٠) ﻑﺮﺸﻤﻟﺍ ﻞﺒﻗ ﻦﻣ ﺽﺮﻌﻟﺍ ﻢﻴﻴﻘﺗ ﻢﺘﻳﻭ.ﻊﻳﺭﺎﺸﻤﻟﺍ | ﺭﺍﺫﺍ ٣١ - ٦ | ١٥ ﻭ ١٤ﻭ ١٦ ﻭ١٧ |
| ﻰﻠﻋﻭ ﻉﻭﺮﺸﻤﻟﺍ ﻦﻋ ﻪﻧﺎﻈﺣﻼﻣ ﻦﻋﻭ ﻉﻭﺮﺸﻤﻟﺍ ﻦﻣ ﻩﺰﺠﻨﻟ ﺎﻣ ﻦﻋ ﺮﻳﺮﻘﺗ ﺔﺒﻠﻄﻟﺍ ﻞﻛ ﻡﺪﻘﻳ.ﺎﻬﺳﺎﺳﺍ ﻰﻠﻋ ﺎﻴﻠﻤﻋ ﺔﺒﻠﻄﻟﺍ ﻩﺰﺠﻧﺍ ﺎﻣ ﻢﻴﻘﺗ ﻑﺮﺸﻤﻟﺍ | ﻥﺎﺴﻴﻧ ٢٩ - ٣ | ١٩ ﻭ ١٨٢١ﻭ ٢٠ﻭ |

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| --- | --- | --- |
| .ﻢﺴﻘﻟﺍ ﻰﻟﺍ ﺔﺟﺭﺩ ٢٠ ﻦﻣ ﻪﻤﻴﻴﻘﺗ ﻢﻳﺪﻘﺗ ﻑﺮﺸﻤﻟﺍ ﻰﻠﻋﻭ ﺔﻋﻮﻤﺠﻤﻠﻟ ﻲﺋﺎﻬﻨﻟﺍ ﺮﻳﺮﻘﺘﻟﺍ ﻢﻳﺪﻘﺗ | ﺭﺎﻳﺍ ٨-١ | ٢٢ |
| .ﻱﺩ ﻦﻳﺍﺰﻳﺪﻟﺍ ﺔﻨﺠﻟ ﻰﻟﺍ ﻉﻭﺮﺸﻤﻟﺍ ﺮﺘﺳﻮﺑ ﻢﻳﺪﻘﺗ | ﺭﺎﻳﺍ ١٢ - ٩ | ٢٣ |
| ﻱﺩ ﻦﻳﺍﺰﻳﺩ | ﺭﺎﻳﺍ ١٨ | ٢٤ |
| .ﺭﺎﻳﺍ ٢٥ ﻡﻮﻳ ﻲﻓ ﻥﻮﻜﻳ ﻥﺍ ﻞﻀﻔﻳﻭ ﻉﻭﺮﺸﻤﻠﻟ ﻲﺋﺎﻬﻨﻟﺍ ﻥﺎﺤﺘﻣﻻﺍ ﺪﻋﻮﻣ ﻰﻠﻋ ﻉﻮﺒﺳﺍ.ﻥﺎﺤﺘﻣﻻﺍ ءﺍﺮﺟﺍ ﻦﻣ ﻡﺎﻳﺍ ﺔﺛﻼﺛ ﻝﻼﺧ ﻡﺪﻘﺗ ﺕﺎﺤﻴﺤﻀﺘﻟﺍ | ﺭﺎﻳﺍ ٢٦- ٢٢ | ٢٥٢٦ |

.ﻑﺮﺸﻤﻟﺍ ﻊﻣ ﻉﻭﺮﺸﻤﻟﺍ ﺔﻌﺑﺎﺘﻣﻭ ﺬﻴﻔﻨﻨﺗ ﻰﻠﻋ ﻑﺍﺮﺷﻼﻟ ﻢﺴﻗ ﻞﻛ ﻦﻣ ﺔﻨﺠﻟ ﻞﻴﻜﺸﺗ .٥

ﻉﻭﺮﺸﻤﻟﺍ ﺕﺎﺣﺭﺩ ﻊﻳﺯﻮﺗ ﺔﻴﻔﻴﻛ .٦

ﻱﺩ ﻦﻳﺍﺰﻳﺪﻟﺍ ﺔﻨﺠﻟ ﺔﺟﺭﺩ ١٠ﻭ ﻢﺴﻘﻟﺍ ﻦﻣ ﺔﻨﺠﻟ ١٠ ﻭ ﻑﺮﺸﻤﻟﺍ ﺔﺟﺭﺩ ٣٠ :ﻲﺗﻻﺍ ﻞﻜﺸﻟﺍ ﻰﻠﻋ ﺕﺎﺟﺭﺪﻟﺍ ﻉﺯﻮﺗ ﻊﻳﺯﻮﺗ ﺔﻴﻔﻴﻛ ﻲﻠﻴﺼﻔﺗ ﻞﻜﺸﺑ ﺢﺿﻭ ﻩﺎﻧﺩﺍ ﻝﻭﺪﺠﻟﺍﻭ ﻲﺋﺎﻬﻨﻟﺍ ﻥﺎﺤﺘﻣﻻﺍ ﺔﻨﺠﻟ ﻞﺒﻗ ﻦﻣ ﻊﺿﻮﺗ ﺔﺟﺭﺩ ٥٠ﻭ ﺔﻴﺼﺼﺨﺘﻟﺍ

.ﺕﺎﺟﺭﺪﻟﺍ

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| --- | --- | --- | --- | --- | --- |
| ﺕﺎﻈﺣﻼﻤﻟﺍ | ﺔﺟﺭﺪﻟﺍ | ﻢﻴﻘﻤﻟﺍ | ﺖﻗﻮﻟﺍ | ﺔﻴﻟﺎﻌﻔﻟﺍ |  |
| ﺪﻨﻋ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻊﻳﺭﺎﺸﻣﺍ ﺔﻨﺠﻟ | ١٠ | ﻢﺴﻘﻟﺍ ﻦﻣ ﺔﻨﺠﻟﻑﺮﺸﻤﻟﺍ ﺍﺪﺋﺍﺯ | ١٠ ﻉﻮﺒﺳﻻﺍ | ﻝﻭﺍ ﺽﺮﻋ | ﻲﻌﺴﻟﺍ |
| ﺪﻨﻋ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻊﻳﺭﺎﺸﻣﺍ ﺔﻨﺠﻟ | ٥ | ﻑﺮﺸﻤﻟﺍ | ١٤ ﻉﻮﺒﺳﻻﺍ | ﻞﻜﻟ ﻲﻟﻭﺍ ﺮﻳﺮﻘﺗﺐﻟﺎﻃ |
| ﺪﻨﻋ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻊﻳﺭﺎﺸﻣﺍ ﺔﻨﺠﻟ | ٥ | ﻑﺮﺸﻤﻟﺍ | ١٧ ﻉﻮﺒﺳﻻﺍ | ﻲﻧﺎﺛ ﺽﺮﻋ |
| ﺪﻨﻋ ﺔﺟﺭﺪﻟﺍ ﺖﺒﺜﺗﻊﻳﺭﺎﺸﻣﺍ ﺔﻨﺠﻟ | ٢٠ | ﻑﺮﺸﻤﻟﺍ | ٢١ ﻉﻮﺒﺳﻻﺍ | ﻲﺋﺎﻬﻨﻟﺍ ﺮﻳﺮﻘﺘﻟﺍ |
| ﺮﻴﻳﺎﻌﻤﻟﺍ ﺐﺴﺣﺎﻬﻴﻠﻋ ﻖﻔﺘﻤﻟﺍ | ١٠ | ﺔﻴﺼﺼﺨﺗ ﺔﻨﺠﻟ | ﺭﺎﻳﺍ ١٨ | ﻱﺩ ﻦﻳﺍﺰﻳﺩ | ﻲﺋﺎﻬﻨﻟﺍ |
| ﻉﺯﻮﺘﺗ ﺔﺟﺭﺪﻟﺍﺔﻴﻠﻜﺒﻫ ﻰﻠﻋﺔﺑﺎﺘﻜﻟﺍﻭ ﺮﻳﺮﻘﺘﻟﺍﺔﻐﻠﻟﺍﻭ | ١٠ | ﻥﺎﺤﺘﻣﻻﺍ ﺔﻨﺠﻟﻲﺋﺎﻬﻨﻟﺍ | ﺭﺎﻳﺍ ٢٥ | ﺮﻳﺮﻘﺗ |
| ﺔﻠﺼﺤﺘﺴﻤﻟﺍ ﺞﺋﺎﺘﻨﻟﺍﻉﻭﺮﺸﻤﻟﺍ ﻦﻣ | ١٥ | ﻥﺎﺤﺘﻣﻻﺍ ﺔﻨﺠﻟﻲﺋﺎﻬﻨﻟﺍ | ﺭﺎﻳﺍ ٢٥ | ﻲﻤﻠﻌﻟﺍ ﻯﻮﻨﺤﻤﻟﺍﺮﻳﺮﻘﺘﻠﻟ |
|  | ٥ | ﻥﺎﺤﺘﻣﻻﺍ ﺔﻨﺠﻟﻲﺋﺎﻬﻨﻟﺍ | ﺭﺎﻳﺍ ٢٥ | ﻉﻭﺮﺸﻤﻟﺍ ﺽﺮﻋ |
|  | ٢٠ | ﻥﺎﺤﺘﻣﻻﺍ ﺔﻨﺠﻟﻲﺋﺎﻬﻨﻟﺍ | ﺭﺎﻳﺍ ٢٥ | ﺔﺸﻗﺎﻨﻣ |  |
| ﺔﺟﺭﺩ | ١٠٠ | ﻉﻮﻤﺠﻤﻟﺍ |

.ﺮﻳﺮﻘﺘﻟﺍ ﺔﺑﺎﺘﻛ ﺪﻨﻋ ﺔﻘﻓﺮﻤﻟﺍ ﺕﺎﻤﻴﻠﻌﺘﻟﺎﺑ ﻡﺍﺰﺘﻟﻻﺍ ﺔﺒﻠﻄﻟﺍ ﻰﻠﻋ .٧

Cover Page

1. The color of front cover binding for the project report should be blue for all the students of departments.

2. . The front cover of the report should be in printed form. The required print spacing on front cover page is as follows:

Size: A4 size,

Margin: Left: 3.5 Cm, Right: 2.5 Cm, Top: 2.5 Cm, bottom: 2.5 Cm (see Figure 1)

3. The title of the project should also be printed on the bind area of the report.

4. Only one side of the page should be printed. The other side should be left blank.

5. The font used should be times new roman, 12 points plain, with Double spacing between two consecutive lines.

The project report should be soft bound, three copies: Library copy, chairman copy, and supervisor copy.

The Report

1. General

1.1 The project report should be soft bound, three copies: Library copy, chairman copy, and supervisor copy.

1.2 The number of pages in the report should be in between 30 to 50, excluding

appendices.

1.3 The name of the project should be in in the header at the right and number in footer at middle.

1.4 . Students have to prepare two extra copies of their report for exam committee.

2. Report Structure

2.1. Primarily pages (Small Latin numbering ie i,ii, iii, iv,…..)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Name of the page | Page Title Font |  |
| a. | Approval Page | [16+Bold] Upper case[centered] | Compulsory |
| B | Declaration Page | [16+Bold] Upper case[centered] | Compulsory |
| C | DEDICATION | 16 Upper case Centred | (optional) |
| d | ABSTRACT | 16, Upper case Centered | (Compulsory) |
| e | ACKNOWLEDGEMENTS | [16]Upper case, Centered | (optional) |
| f | TABLE OF CONTENTS | [16+bold] Upper caseCentered | (Compulsory) |
| g | LIST OF FIGURES | [16] Upper Case centered | (Compulsory) |
| m | LIST OF TABLES | [16+Bold] Upper caseCentered | (Compulsory) |
| h | LIST OF ABBREVIATIONS | [16+Bold] Upper casecentered | (Compulsory) |

2.2 Main body (start format numbering, ie 1,2,3,….)

2.2.1 Main body

i- Introduction and Theoretical background ii- Overall system explanation

iii- Description of components of the system iv- Selection of tools for developing project v. Overall operation of the system.

2.2.2 Discussion, conclusion and future recommendation.

2.2.3 Appendices

I. Cost and Time analysis of the Project.

II. Data sheets of the Major Components (If applicable).

2.2.4 References

2.2.5 The students are also required to provide the overall material of project report on CD which should be placed in proper jacket within library copy.

3. Detailed Structure of Final Year Report

3.1 Format: The following format is applicable to the report

3.1.1 The report and synopsis must be prepared in the English language using

12 point *“*Times New Romani” font, using only black ink on white, at least 80 gram/square meter, A4 standard paper size. Lines must be double spaced. Margin must be as shown in Figure 1.

3.1.2 The page number should not appear on the title page or section title pages.

3.1.3 The project title , project number and department’s name should be appeared in the header of every page.

3.1.4 In the table of contents, four levels of heading can be used, inclusive of the chapter titles. There must be at least two subheadings within a level of heading.

3.1.5 The references must be arranged in the order of their appearance.

Each entry of the reference must be referred to at least once in the body of the report by using a format as follows:

[Index number] For example, [12], [23].

3.1.6 Every figure must have the figure number in an Arabic numeral, i.e · Figure 1.1, Figure 2.5, etc. and the figure title is centered at bottom of the figure.

3.1.7 Every table must have the table number, e.g. Table 1.1, Table 2.10, and so on and the table name is centered at the top of the table.

3.1.8 Note that, for example Figure 2.5 or Table 1. the first number (i.e., 2 and

1) represents chapter to which the figure or table belongs, while the second number (i.e., 5 and 3) indicates their order in the chapter.

3.1.9 The appendices should be used to contain lengthy or detailed Supplementary documentation that may not be appropriate if inserted in the body of the report. Examples are data sheets of components, diagrams models, sample documents, system structured charts, program listing, user's manuals, system's manuals, and glossary terms.

3.2 Report Content

The report should contain the following order:

3.2.1 A title page contains:

3.2.1.1 Project Title.

3.2.1.2 Name of the department.

3.2.1.3 Name of the student’s group’s members.

3.2.1.4 Supervisor’s Name.

3.2.1.5 Submission month and year including Kurdish year.

3.2.2 An Approval Page contains:

3.2.2.1. Project title

3.2.2.2 Name of the department

2.2.2.3 Name of the group members

2.2.2.4 Project supervisor name

2.2.2.5 Academic year

2.2.2.6. Students must show the following statement:

"The department of [Department Name] in College of Engineering, University of Duhok has approved this final year project. The project is submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in [Department Name].

2.2.2.7 Approval committee names: (Committee comprises of the Project coordinator, project supervisor, and the chairman of electrical and computer engineering department)

3.2.3 Declaration Page students of the project should sign the following page

**Student Declaration**

We being members of final year project group , declare that this report contains only work

completed by members of our group except for information obtained in a legitimate way from literature, company or university sources. All information from these other sources has been duly referenced and acknowledged in accordance with the University of Duhok Policy on Plagiarism.

3.2.4 The validation Page: The Students should sign the following statmrnt

**Validation of Project**

We the students of final year project group \_, declare that this said project shall be placed officially in the library of [department name] with the abiding interest and rights as follows:

• This Project/Thesis is the sole legal property of University of Duhok.

• The [name of the department] has the lawful right to make copies for the purpose of academic and research purposes.

• The [Name of the department] has the lawful right to digitalize the content for the

Local Content Database.

• The [name of the department] has the lawful right to make copies of the Project for academic exchange between Higher Learning Institute.

• No dispute or any claim shall arise from the student itself neither third party on this

Project once it becomes the sole property of the University of Duhok.

• This Project or any material, data and information related to it shall not be distributed, published or disclosed to any party by the student except with [Name of the Department].

***3.2.5 Acknowledgements [ 16 point+Bold]***

It is usual to acknowledge your supervisor, examination committee, chairman of department, and help given by technical support staff and others as appropriate at the start of your report.

**3.2.6 Synopsis [Abstract]**

A short summary (100-200 words) distilled from the introduction conclusion and recommendation of your project after the report is written.

3.2.7 Table of Content

3.2.7.1 All chapter topics should be written in upper case without bold.

3.2.7.2 Subtopics written in each chapter should be numbered using Arabic numerals and indented one tab as shown below.

Chapter 1 Introduction

1.1 Background of the project

1.2 Objectives

3.2.8 List of Figures Examples Figure 1.1, Figure 2.1

3.2.9 List of Tables. Examples Table 1.2, Table 3.1.

3.2.10 Bibliography and References

A bibliography is a complete list of books and paper that you have consulted during your work. The following format should be applied:

3.2.10.1 Books

• One Author

[35] Smith, Gerald M. “Statistical Process Control and Quality

Improvement”, 3rd Edition. New Jersey, Prentice Hall Inc., 1998

• Two or More Authors

• [17] Gonzalez, Rafael C., and Richard E. Woods. “Digital Image

Processing”. New York, Addison-Wesley Publishing Company, 1993.

[42] Shelly Garry B., et al. Business Data Communications. Massachusetts, Course Technology, 1999.

• A selection from an edited collections

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2.2.10.2 Periodical Articles

 One Author

[5] Dubuois, Betty Lou. "The Uses of Slides in Biomedical

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 Two Authors or more

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Or

[20] Gupta, L., et al,"Robust automatic target recognition using a localized Boundary representation," Pattern Recognition./ Vol. 28, No. 10, 2000.

 No Author

[4] "An Unemployment Wallop." Times,115, May 12, 1980;

pp.54-55.

3.2.11 Appendices

Only include items that are referred to in the report. Do not include published work- this should just be listed in the references. CD- ROMs must be securely attached to the inside-back cover of the

accessible and replaceable. If student has a large document as an

appendix e.g. a user manual, this may be submitted separately, if absolutely necessary. In this case it must be labeled clearly on the cover and on the spine to indicate its contents.

3.2.13 Summery of the report Organization

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Proposed title or cover page

The University of Duhok

College of Engineering

Civil Engineering Department

3.5 Cm

2.5 Cm

An investigation into the developments of the 4th year graduation project for the College of Engineering

by

1. Yousif Yousif Yousif

2. Mohammed Mohammed Mohammed

3. Kovan Kovan Kovan

4. James James James

5. Nazeer Nazeer Nazeer.

Supervised by

Kurdistan Kurdistan Kurdistan

2.5 Cm

Submitted for in partial-fulfillment of the requirements for the BSc in [Name of the department] Engineering

Gulan 2628-M

Figure 1

2.5 C

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| Supervisor’s Evaluation Report |
| Department: |  |
| Project's Titleand number: |  |
| Supervisor'sName: |  |
| Sheet Number : |  | SubmitedDate: | To be submitted to department's monitoring committie after every 4 meetings |
| # | Studentsname | Role | Meeting'sNumber | Date | Supervisor'sEvaluation Comments | Marks | Student's NextJob (optional) | TotalMarks |
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| 2 |  |  |  |  |  |  | 0 |
| 3 |  |  |  |  |  |  | 0 |
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Approval Page

Students must show the following statement:

"The department of [Department Name] in College of Engineering, University of Duhok has approved this final year project. The project is submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in [Department Name].

The Approval page must be signed by Approval Committee members

Approval committee names: (Committee comprises of the Project coordinator, project supervisor, and the chairman of electrical and computer engineering department)

**Discipline of [Department’s Name] Final Year Project**s

**Student Declaration**

We the students of final year project group , declare that this report contains only work completed by myself except for information obtained in a legitimate way from literature, company or university sources. All information from these other sources has been duly referenced and acknowledged in accordance with the University of Duhok Policy on Plagiarism.

**Validation of Project**

We the students of final year project group , declare that this said project shall be placed officially in the library of [department name] with the abiding interest and rights as follows:

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|  |
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| University of Duhok /College of EngineeringDepartment of [Name] Engineering |
| **Basic Information** | Content (15 Marks) | Poster(5Marks) | Presentation (10 Marks) |  |  |
| **Student****Team #** | **Name** | **Project****Title** | **Clearly defined****statement of the problem with supporting materials and methods used for research** | Results/solutionclearly presented and summarized | Clearlyaddresses what was learned or how this project would impact the field |  | Team wasable to convey the purpose of the project | The team wasable to answer questions and articulate information in/outside the field | TotalScore- Up to30 points | Comments |
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