Project work form –
Soft computing methods in engineering application

<table>
<tr><td colspan="2">Title: Soft computing methods in engineering application</td><td>Project work - ID:
MEI-082</td></tr>
<tr><td colspan="3">Aim of the project work: The aim of this work is to get familiar with soft computing methods, prepare, fulfill and evaluate measurements, draw own conclusions and present experimental results.</td></tr>
<tr><td>Topic Announcer:</td><td colspan="2">Dr. Lukács Judit (OE-BGK-MEI, assistant professor)</td></tr>
<tr><td>Supervisor(s):</td><td colspan="2">Dr. Lukács Judit,
Dr. Horváth Richárd</td></tr>
<tr><td>Contact</td><td colspan="2">lukacs.judit@bgk.uni-obuda.hu,
horvath.richard@bgk.uni-obuda.hu</td></tr>
<tr><td>Group size: (min./max.):</td><td colspan="2">3-5 person
The project work is not available under 3 applicants.</td></tr>
<tr><td>Available resources:</td><td colspan="2">—</td></tr>
<tr><td>Required resouces:</td><td colspan="2">—</td></tr>
<tr><td>Budget:</td><td colspan="2">—</td></tr>
<tr><td>Precondition(s):</td><td colspan="2">Mandatory: -
Recommended: Knowledge in Matlab</td></tr>
<tr><td rowspan="3">Schedule:</td><td>1-4th weeks</td><td>Getting familiar with soft computing methods</td></tr>
<tr><td>5-8th weeks</td><td>Specify measurement parameters and experimental design</td></tr>
<tr><td>10-14th weeks</td><td>Evaluate experimental results, draw conclusions, determine limitations, probable future goals. Prepare documentation and presentation.</td></tr>
<tr><td colspan="3">Comments:
Both mechanical and mechatronical engineers can apply for the project work.</td></tr>
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