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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : A SYSTEM FOR EXPERIMENTAL INVESTIGATION BY REVERSE ENGINEERING TOOL FOR RECOVERING DESIGN OF ARTIFACTS

<p>(51) International classification :G05B0019050000, G06F0021140000, G06F0008100000, G06F0008740000, G06T0017200000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA Filing Date :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Mr. Arvind Chaudhary Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Dr. Vaibhav Trivedi 3)Mr. Mayank Bharadvaj 4)Mr. Vivek Shankhdhar 5)Mr. Ayush Saxena 6)Mrs. Bhavana Singh 7)Mr. Mohammad Javed 8)Mr. Shashank Kumar 9)Mr. Prashant Sharma</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Mr. Arvind Chaudhary Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Dr. Vaibhav Trivedi Address of Applicant :Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>3)Mr. Mayank Bharadvaj Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>4)Mr. Vivek Shankhdhar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>5)Mr. Ayush Saxena Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>6)Mrs. Bhavana Singh Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>7)Mr. Mohammad Javed Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>8)Mr. Shashank Kumar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>9)Mr. Prashant Sharma Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p>
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(57) Abstract :
The present invention relates to a system (100) for experimental investigation by Reverse Engineering Tool for Recovering Design of Artifacts. The system (100) comprises a source code file unit comprises of java code file, a model unit is configured to retrieve artifacts, relation and components, a mapping unit is configured to map the model through relation, function, type and variable and a design artifacts comprises of class, sequence, activity and use case diagram. The system (100) employed an algorithm that reverse-engineered the java code to produce class diagrams, use case diagrams, and activity diagrams. The system (100) overcomes the limitations of traditional systems.

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