(54) Title of the invention : A system for calculating binomial Mathematical expression and method thereof

(51) International classification	:G06F0021600000, G09B0019020000, G09B0023040000, G09B0023020000, G06F0017100000
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :
  1)Dr. V. Naganjaneyulu
     Address of Applicant :Associate Professor, Department of S & H (Mathematics), Lords Institute OF Engineering and Technology (A), Hyderabad, Telangana, India, Pincode: 500091 ----------- -----------
  2)Dr. Y. Hari Krishna
  3)Dr. Tenneti Ramprasad
  4)Dr. Bonu Akkayya
  5)Dr. B. Nageswara Rao
  6)Dr. Y. Bhargavi
  7)Dr. K. Kavita
  8)Mr. P. Shanthan Kumar
  9)Dr. C. Siva Sankar
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
  1)Dr. V. Naganjaneyulu
Address of Applicant :Associate Professor, Department of S & H (Mathematics), Lords Institute OF Engineering and Technology (A), Hyderabad, Telangana, India, Pincode: 500091 ----------- -----------
  2)Dr. Y. Hari Krishna
Address of Applicant :Assistant Professor, Department of H&S (Mathematics), Anurag Engineering College, Ananthagiri, Kodad, Suryapet, Telangana, India, Pincode: 508206 ----------- -----------
  3)Dr. Tenneti Ramprasad
Address of Applicant :Assistant Professor, Department of Mathematics, MVGR College of Engineering (Autonomous), Vizianagaram, Andhra Pradesh, India, Pin Code: 535002 ----------- -----------
  4)Dr. Bonu Akkayya
Address of Applicant :Assistant Professor (Mathematics), Basic Science and Humanities Department, Seshadri Rao Gudlavalleru Engineering college, Gudlavalleru, Krishna District, Andhra Pradesh, India, Pincode: 521356. ----------- -----------
  5)Dr. B. Nageswara Rao
Address of Applicant :Associate Professor, Department of Mathematics, Lendi Institute of Engineering and Technology, Jonnada, Vizianagaram, Andhra Pradesh, India, Pincode: 535005 ----------- -----------
  6)Dr. Y. Bhargavi
Address of Applicant :Assistant Professor, Department of Mathematics, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, Andhra Pradesh, India, Pincode: 522302 ----------- -----------
  7)Dr. K. Kavita
Address of Applicant :Associate Professor, Department of Mathematics, BVRIT Hyderabad College of Engineering for Women, Bachpally, Telangana, India, Pincode: 500090 ----------- -----------
  8)Mr. P. Shanthan Kumar
Address of Applicant :Assistant Professor, Department of Mathematics, Institute of Aeronautical Engineering (IARE), Hyderabad, Telangana, India, Pincode:500090 ----------- -----------
  9)Dr. C. Siva Sankar
Address of Applicant :Associate Professor, Department of Education, Rajiv Gandhi University, Rono hills, Doimukh, Arunachal Pradesh, India, Pincode: 791112 ----------- -----------

(57) Abstract :
The binomial theorem provides us with the possibility to include a variety of mathematical concepts into a single unit of instruction. It has an interesting history, which may be studied in order to have a better grasp of how mathematics developed through time. As a result, we have integrated computer graphics with geometry, algebra, and combinatorics to arrive at the binomial theorem, which is presented in this work. Students will gain an understanding of some of the more subtle aspects of functions that have a domain and range that are limited to the set of real numbers via the study of functions that have finite domains and ranges.

No. of Pages : 17 No. of Claims : 5