



Editorial

Classification Approach of Research

Hearty congratulations to the honorable members of ISRMTT on the grand successful completion of 25 years. H.E. Sri Narendra Modi, our beloved Prime Minister of India, has gifted us with many hydroelectric projects, high dams, infrastructures and tunnelling projects in Himalaya specially. We could not have asked for more from blissful God and government. Hearty congratulations to the designers and builders of the mega Tehri Hydroelectric project which withstood a severe flood of Kedarnath, Uttarakhand in 2013. The civil engineers have created many vast engineering miracles in India, Bhutan and Nepal. ISRMTT has started the revolution of tunnelling in India. ISRMTT has been serving India by the publication of JRM TT, organizing conferences and a large number of training courses.

In fact, the rock mass classification approach has played a major role in the successful completion of the civil engineering projects specially in Himalaya. It is amazing that complex rock mass may be rated approximately by just one number which predicts nearly all the properties of the rock mass. The 40 years of research work on RMR, Q, GSI and J_f has highlighted the vast utility of the simple classification approach which is proving to be the basic research nowadays. The simple classifications are being used in the preliminary design and planning the vast civil engineering and mining engineering structures within even variable weak rock mass conditions. Further, the research at IIT Roorkee has shown that the tunnelling management conditions may also be rated by one number approximately.

Thus the truths may also be expressed approximately as ratings and rankings. Even the leadership and management may be rated approximately. Management rating needs to be improved at the projects for fast progress. The ethical rating should now be done courageously. We are happy to note that the simple classification approach is now being used in all the spheres of the people's life by Grace of God. The rankings may also be used in the honest decision-making during meetings. Now the rating and ranking is being gradually used by the governments for the decision-making. Now the consumer products are rightly rated and ranked in some cases. The leaders with psychopathic traits are rated and ranked with acceptance by the peoples. Thus the classification is a very powerful thought. The sincere belief is the most powerful belief.

The horoscopes appear to be reliable classification of the peoples from the ancient times. It is true in the majority of ($\cong 65\%$) cases. We are unequal but unique. Yet we become all strong whenever we unite. The unity in diversity is the natural inspiration. The inner joy unites us. Further, the classification approach has been generating the fair-healthy-creative competition between the creative institutions all over the world. Thus the fair competition has transformed many nations into the originally creative nations recently. IITs need more Grace of God for better rankings in the world. Hospitals are being ranked. The fair competition will make peoples stronger persons.

The people's choice is clearly the simple classification approach in every sphere of lives. The accuracy of the quantitative classifications is improving with time. The extensive data base are becoming more accurate with time. The government should fund more the institutes of higher rankings to perform better. The banks are also rated nowadays. The inner happiness may also be rated on the log scale (0-10).

So the rating and ranking systems are giving the justice to the institutions and the peoples all over the world. More research is needed on the quantitative classification approaches.

- Bhawani Singh
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