

Operations Research aims to reduce “muddy” business problems into well-defined mathematical constructs, while also defining expected behaviour and goals (well rooted in computer science and analytics).

Operation research is used in business where the managers need to take risk since there are very few things are certain. They must learn to manage and often make decisions based on their instincts instead of being able to use reliable data

Scope Of Operation Research.

- Production / Manufacturing Management
- Finance Budgeting / Investments
- Purchasing / Procurement / Logistics / Supply Chain Management
- Marketing & Revenue Management
- Telecommunication Networks
- Healthcare Management
- Energy / Environment/ Agriculture
- Military Defence
- National Plans / Budgets
- Government Development / Public Sector Units

Historical background of operations research

operations research originated from the efforts of army advisors at the time of World War II. In the years following the war, the methods started to be employed extensively to problems in business, industry and society.

Operations research (OR) is an analytical method of problem-solving and decision-making that is useful in the management of organizations.

In operations research, problems are broken down into basic components and then solved in defined steps by mathematical analysis.