

Good Morning



welcome



HUMAN RESOURCE DEVELOPMENT FOR SUSTAINABLE AGRICULTURE UNDER PRESENT CLIMATE CHANGE

By

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INTRODUCTION

- Five Scientific Revolutions have emerged under changing global climate in the world during this millennium like (1) Genetic Engineering and ability to use this understanding to develop new process and products. (2)Eco-technology and blending of best traditional knowledge with frontier technologies (3) Information technology and its rapid growth in the systematic assimilation and timely dissemination to the concerned. (4) Motivation techniques for efficient utilization of available technologies by ultimate users. (5) Appropriate policies to technology development, technology dissemination and technology utilization.

Narayana's Innovation Attributes Lotus Model

- Narayana's Innovation Attributes Lotus Model (Fig.1) explains four attributes with seven sub components under each for appropriateness of technologies to adopt like Relative advantage, Compatibility, Practibility and Complexity in the emerging global order.

NARAYANA'S INNOVATION ATTRIBUTES LOTUS MODEL

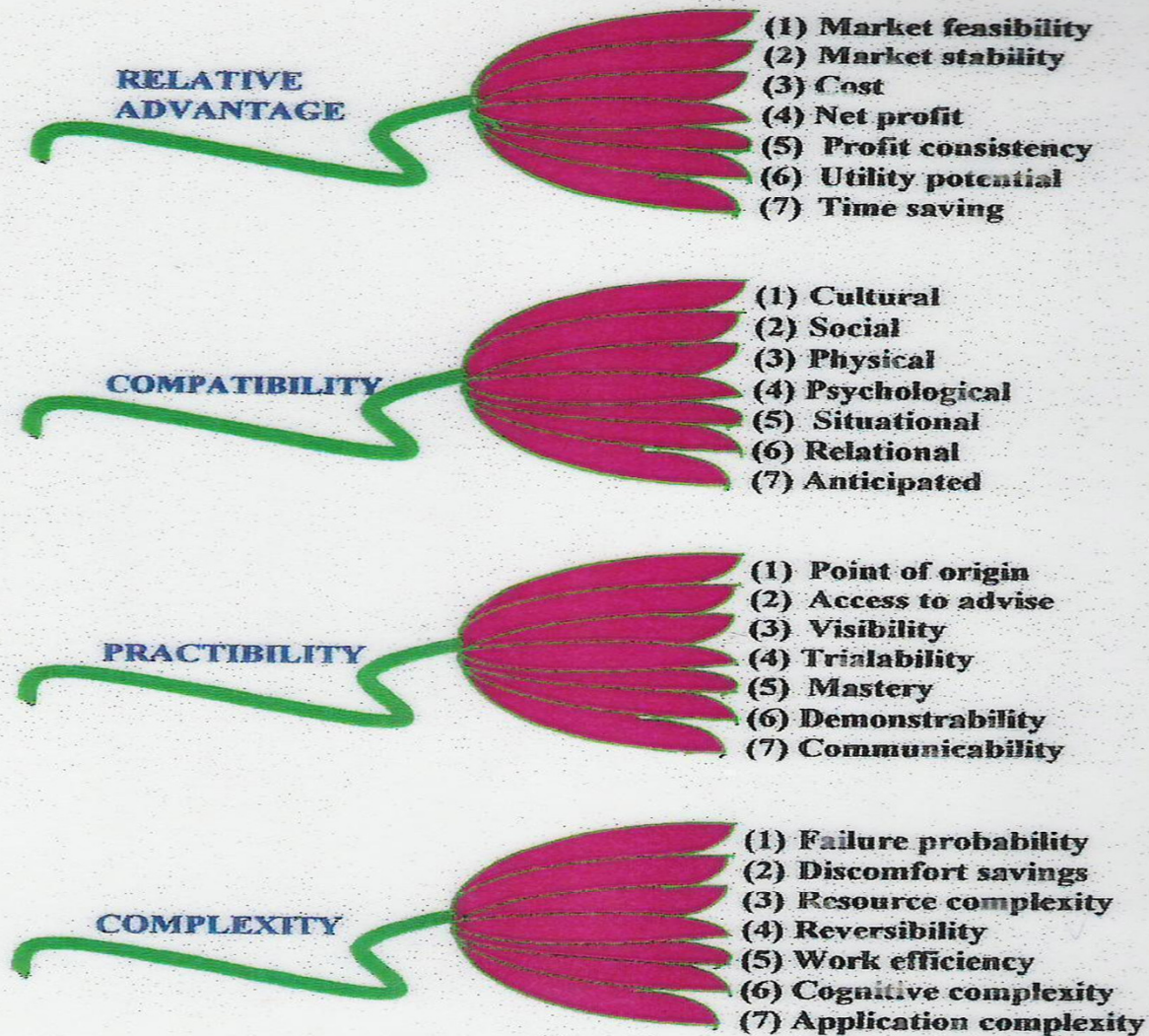


FIG:1

Appropriate attributes of modern technolgies are shown on the lotus

NARAYANA'S WHEEL MODEL OF MANAGEMENT SERVICES TO SMALL FARMERS

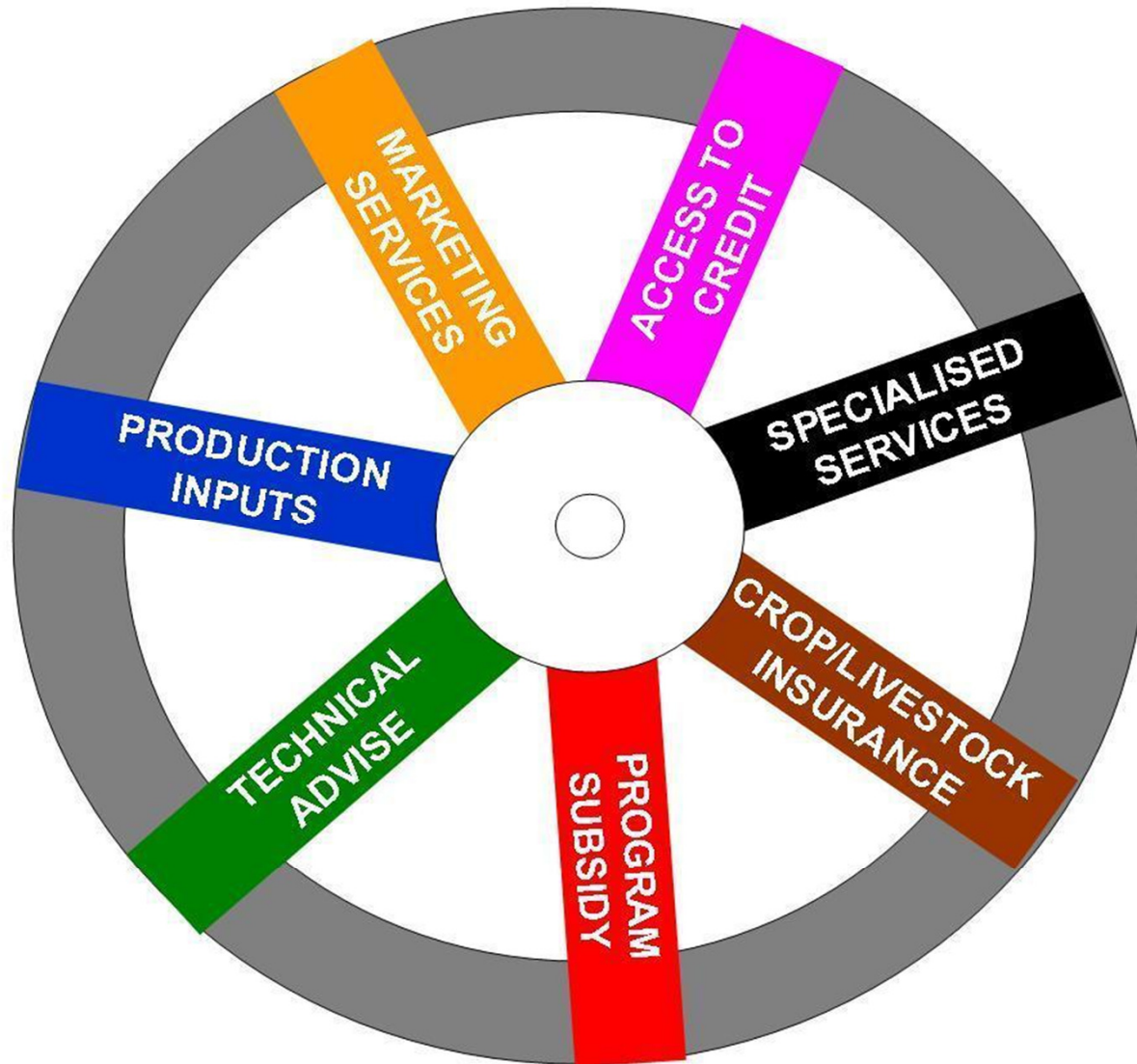
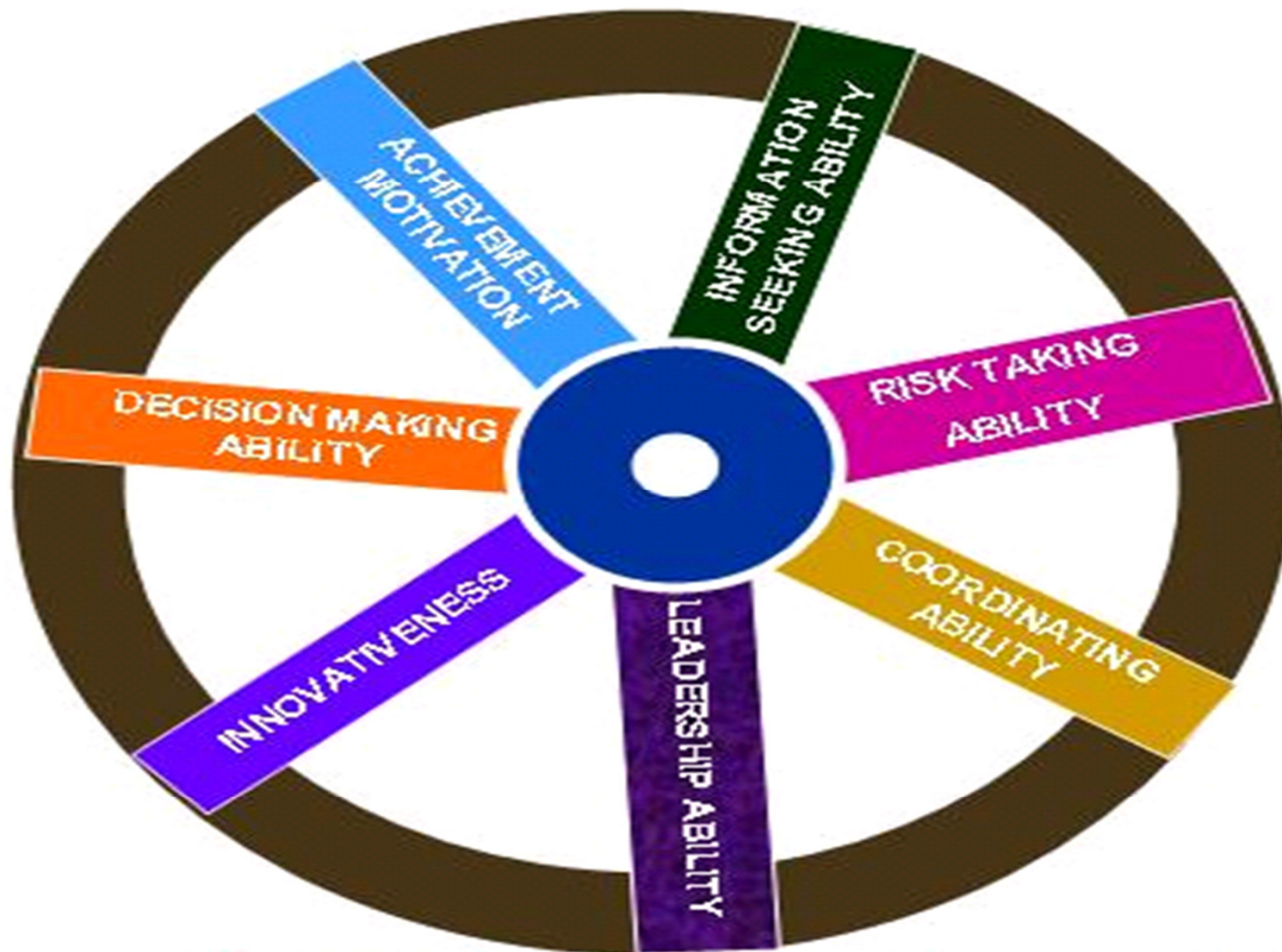


Fig.4 Provided management services to Seven Orchestrated, Concerted, Comprehensible Operational Activities in the agricultural system are shown on the Wheel

NARAYANA'S WHEEL MODEL FOR CAPACITY BUILDING



**: Seven Orchestrated, Concerted, Comprehensible
shown on the Wheel**

Narayana's Algebraic Formula

- **Narayana's Algebraic Formula** explains how to get better performance from the professional. Which indicates that $P=A+W$ i.e. P = performance, A = ability, W = willingness, Ability is further given as $A=K+S$ i.e. K = knowledge, S = skill and further $W=V+A$ i.e. V = values, A = attitudes. For better performance all the above i.e. knowledge, skill, values, attitudes are equally important. However, wisdom should be developed for application of knowledge and skill in sustainable Agriculture Information System appropriately for better performance and to increase sustainable agricultural production.

Narayana's Algebraic Formula

$$B.P=A+W$$

(Better Performance= Ability+Willingness)

$$A=K+S$$

(Ability= Knowledge + Skill)

$$W=V+A$$

(Willingness=Value+ Attitude)

Fig:7



Skill Development among Professionals

- **Narayana's Wheel Model** describes seven orchestrated, concerted comprehensible skills required among professional for efficiency like
 - (1) Technical skill
 - (2) Human Skill
 - (3) Conceptual Skill
 - (4) Managerial Skill
 - (5) Design Skill
 - (6) Creative Skill
 - (7) Communicative Skill

NARAYANA'S WHEEL MODEL FOR SKILL DEVELOPMENT

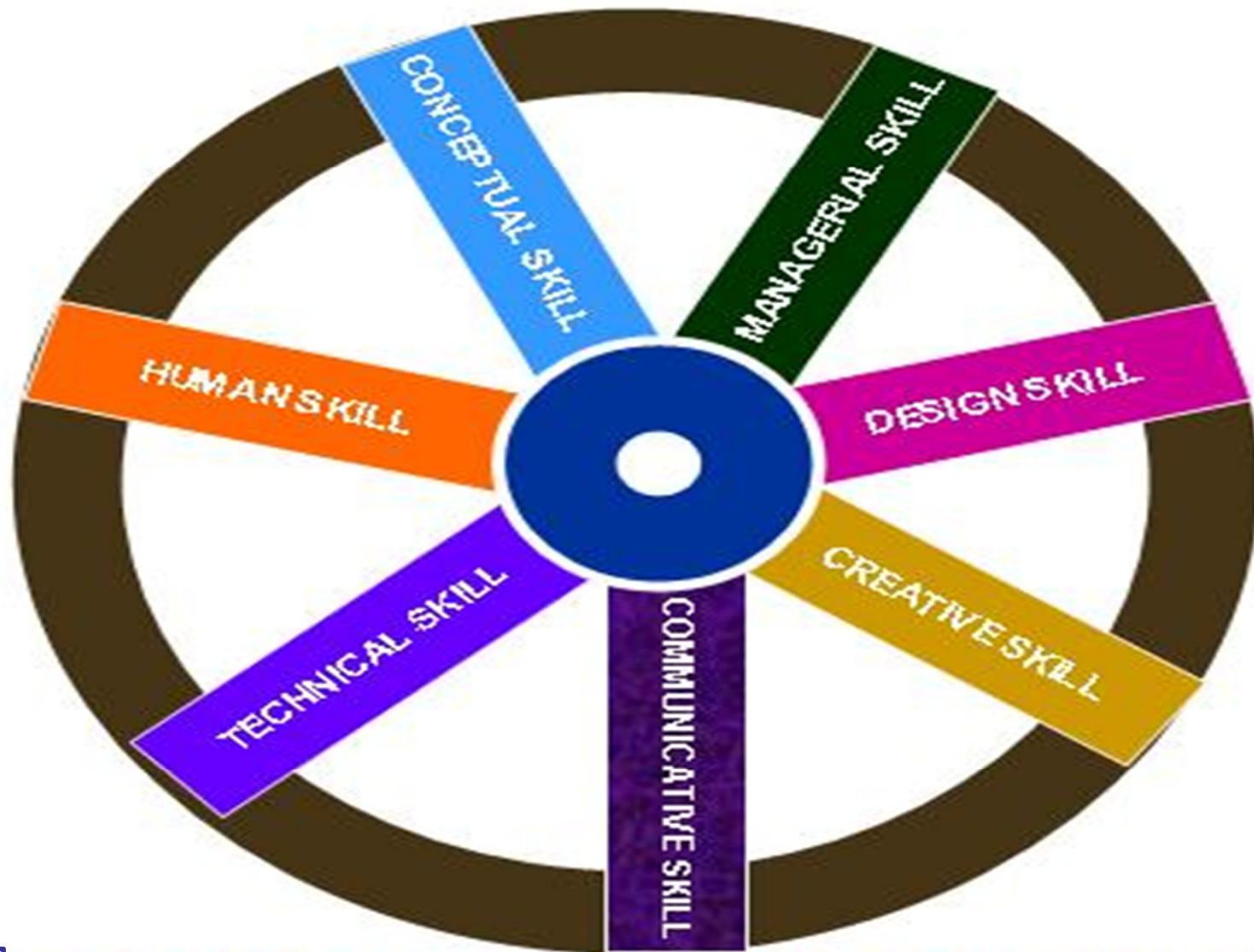


FIG. 4

Seven Orchestrated, Concerted, Comprehensible
shown on the Wheel

CONCLUSION

**Need for Dynamic Strategy with Appropriate
“POSDCORB”**

P=PLANNING

O=ORGANIZING

S=STAFFING

D=DIRECTING

CO=COORDINATING

R=REPORTING

B=BUDGETING



**The world has changed..
So as We..
Then Why not ..
Agriculture..??**



THANK YOU

