



**TECHNOLOGY**  
SOLUTIONS



**Scoring guide**  
**for**  
**Quality Evaluation**

## ABOUT US

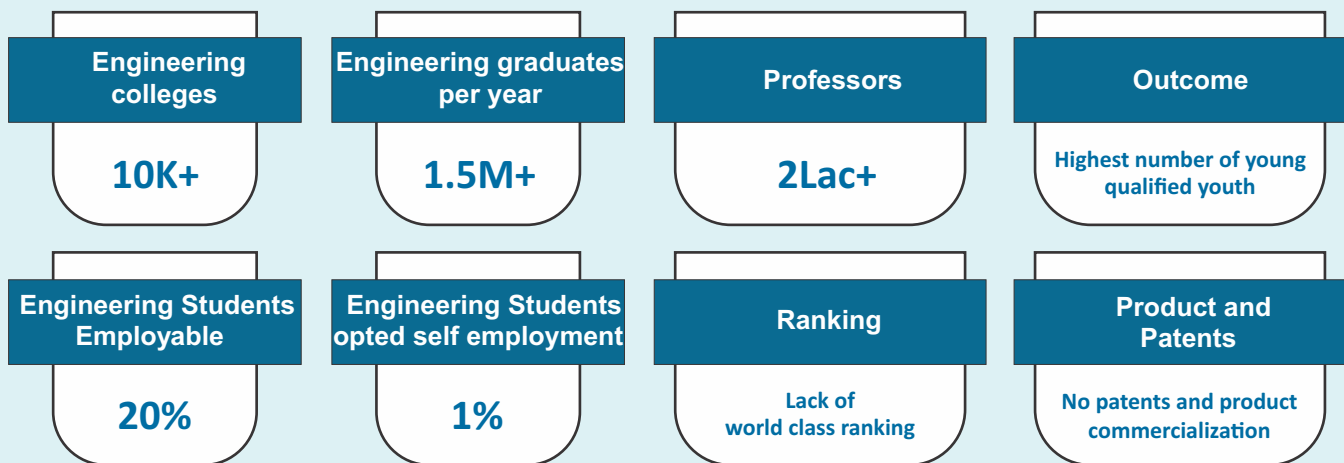
Rubrics (Speed Techserve Private Limited), is a highly focused initiative, founded by experienced academicians and professionals towards excellence in education. Our objective is developing innovative software's and rendering consultancy services to ease educational institute in self-evaluation, NBA/NAAC accreditation, autonomy, permanent affiliation, National and International ranking and overall quality improvement in education.

Rubrics (Speed Techserve Private Limited), is associated with technical institutes aspiring for Quality initiative, Quality sustenance and Quality enhancement. We aim to help institutes to define standard process for Planning, Implementation, Monitoring, Measurement, Analysis and Control for overall development of students.

Our core competencies are customized software solutions for documentation in logical way, automatic analysis of student's knowledge, skills and NBA/NAAC consultancy.

Presently we launched two products for effective documentation through data storage, report generation, and automatic analysis of Course Outcomes (CO's), Programme Outcomes (PO's), Programme Specific Outcomes (PSO's) and Programme Educational Objectives (PEO's) through direct and indirect methods.

### CURRENT ENGINEERING EDUCATION SCENARIO



### WHY WE ARE LAGGING?

- Lack of standard processes
- Lack of Data for Analysis
- Lack of analysis tools for students interest assessment

#### STANDARDIZATION OF PROCESSES

- Adaptation of innovative solutions
- Use of ICT (Information and Communication Technology)

#### USE OF TECHNOLOGY

- Results based on Memorization not on Concepts
- Lack of Assessment Tools and Processes for various student outcomes

#### IMPLEMENTATION OF OUTCOME BASED EDUCATION SYSTEM



## OUR SOLUTIONS

For optimizing problems encountered by educational institutes, we help them by

- Standardizing the processes used for planning, implementation, monitoring and evaluation
- Making use of innovative solutions
- Helping institutes in NBA/ NAAC process

As a part of it we proposed two software solutions

- **Data Storage And Report Generation(DSRG)**
- **Automatic Outcome Based Analysis Tool (AOBAT)**

## DATA STORAGE AND REPORT GENERATION

### Students:

- Admission Details
- List of students
- Mentoring System
- Attendance Monitoring
- Curricular Activities: - Syllabus, Previous University Question Papers, Assignments, Tutorials, Question Bank, MCQ's, Subject Notes, Presentations, List of Experiments, Lab Manuals.
- Co- Curricular Activities: - Guest Lecture/ Seminars, STTPs / Workshop / Conference, Training Programs, Paper Presentation / Project Exhibition/ Design Contests, Industrial Visits, Industrial Trainings, Value Added Programs, Entrepreneurship Development Initiatives, Student Forum and its Activities, Technical Events.
- Extra Curricular Activities: - NSS, Sports, Cultural.

### Faculty and Staff:

- Details
- Qualification
- Participation in co-curricular activities
- Organization of co-curricular activities
- Retention
- Innovations
- Teaching and Learning process
- Research Publication
- Intellectual Property Rights
- Funded R&D Projects
- Appraisal
- Visiting/ Adjunct/ Emeritus Faculty
- Technical Manpower/ Staff
- Industry interaction
- Consultancy

### Institute:

- Vision, Mission, PEOs Details
- Budget Allocation, Utilization
- R&D, MOUs and Consultancy Details
- Library
- First Year Academics
- Training and Placement
- Language Lab
- Counseling and Emergency Medical Care
- Feedback Mechanism
- Faculty Appraisal
- Internet
- Self-learning
- Entrepreneurship Development Initiatives/ Cell
- Organization, Governance and Transparency
- Facility to monitor and generate reports of any departmental activity

### Department

**Planning:** - Departmental Information, Defining Outcomes, Load Distribution, Teaching Plan Monitoring, Details of Infrastructure Facilities, Details of Laboratories, Budget Preparation.

**Implementation and Monitoring:** - Internal Examinations, External Examinations, Assignments, Tutorials and Practicals, Mini Project, Project and Seminar, Departmental Forum Details, Industry Institute Interaction, House Keeping Details, Maintenance Details, Consultancy Details, R&D Details, MOUs Details, Library Details, NSS, Sports and Cultural Activities.

**Evaluation:** - Feedback Process, Faculty Appraisal, Outcomes Assessment, Result Analysis.

### Stakeholders:

- Government • Industry • Society • Other Educational Institutes • Regulatory bodies (AICTE/ DTE/ University)
- Students • Parents • Faculty and Staff • Former Faculty • Alumni • Recruiter/ Employer .

# AUTOMATIC OUTCOME BASED ANALYSIS TOOL

## Outcome Based Education and Assessment System:

- Defining Outcomes • Mapping of Outcomes • Tools and Processes for assessment of Outcomes • Assessment of various Outcomes • Analysis of results obtained in assessment • Action taken based on analysis for futuristic planning.

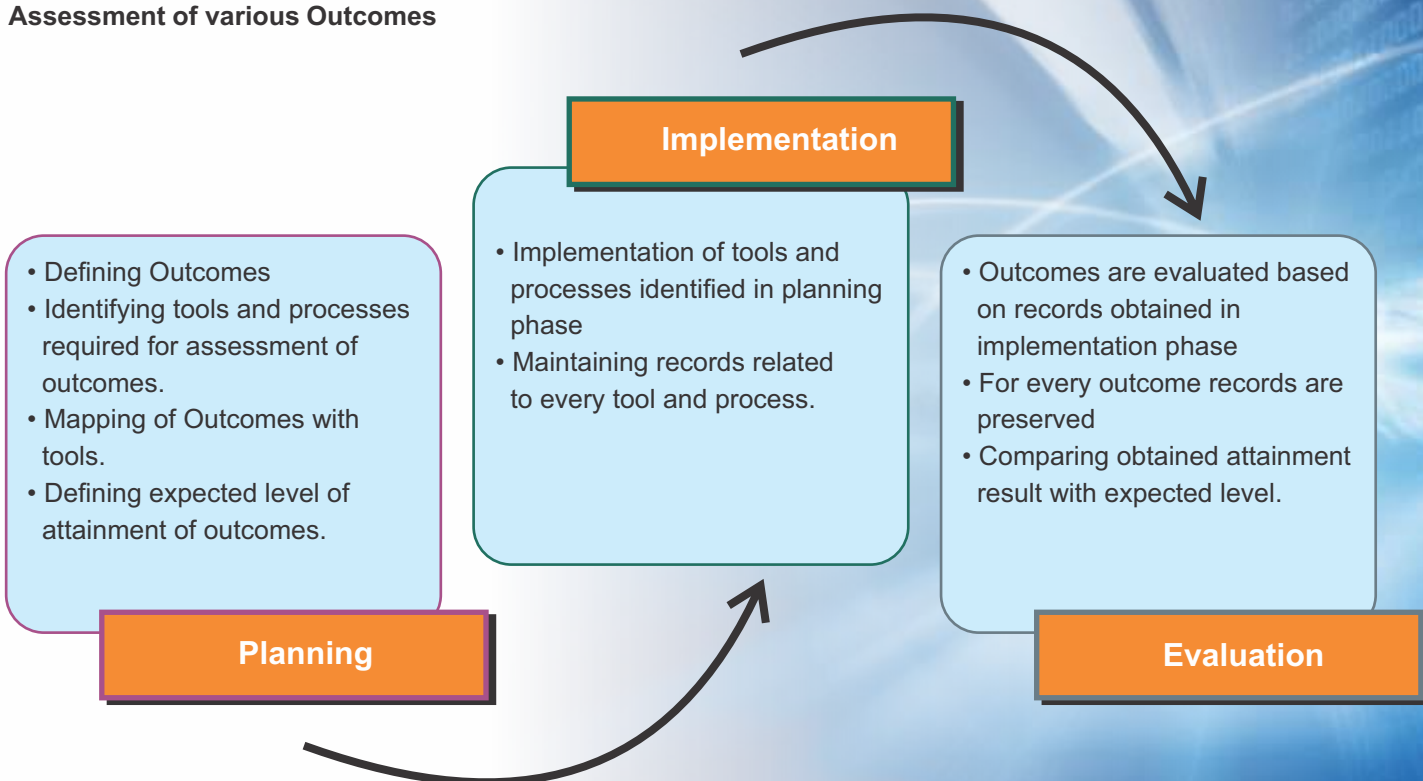
## Defining Various Outcomes:

- Vision and Mission
- Programme educational Objectives (PEO's)
- Programme Outcomes and Programme Specific Outcomes (PO's & PSO's)
- Course Outcomes (CO's)

## Tools and Processes for assessment of Outcomes:

- Direct Tools - Internal Examinations, University Examinations, Assignments, Tutorials and Practicals, Co curricular activities, Quizzes .
- Indirect Tools - Alumni Survey, Employer Survey, Course End Survey, Exit Survey, Higher Studies and Placement Record, Parents feedback, Employer feedback.

## Assessment of various Outcomes



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