

# Ext JS - The Chart

Group - 4

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## Introduction

- This document provides a detailed overview of the recruitment process visualization and its significance.
- The system helps HR teams track candidate progress and analyze hiring trends efficiently.
- Visualization methods used:
  - **Line Chart:** Shows the time taken for each recruitment stage.
  - **Bar Chart:** Represents the number of selected and rejected candidates.
  - **Pie Chart:** Highlights candidate source distribution.
- These insights allow HR teams to optimize recruitment strategies and reduce hiring bottlenecks.

## Line Chart - Time Taken for Hiring Process

- This chart displays the time taken (in days) for different stages across multiple months.
- HR teams can analyze this data to identify inefficiencies and delays in hiring.
- Helps in reducing the time-to-hire by optimizing slow recruitment stages.
- Provides a comparative view of past and present hiring durations to measure improvements.



```

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                layout: 'fit',
                title: 'Line Chart - Time Taken for Hiring Process',
                margin: 10,
                items: [{
                    xtype: 'container',
                    layout: 'fit',
                    listeners: {
                        render: function () {
                            var ctx = document.getElementById('lineChart').getContext('2d');
                            var lineChart = new Chart(ctx, {
                                type: 'line',
                                data: {
                                    labels: ['January', 'February', 'March', 'April', 'May', 'June', 'July'],
                                    datasets: [{
                                        label: 'Time Taken for Hiring Process (Days)',
                                        data: [10, 15, 20, 18, 12, 14, 16],
                                        fill: false,
                                        borderColor: 'rgb(75, 192, 192)',
                                        tension: 0.1
                                    }]
                                },
                                options: {
                                    responsive: true,
                                    scales: {
                                        y: {
                                            beginAtZero: true
                                        }
                                    }
                                }
                            });
                        }
                    }
                }]
            }
        ]
    }
}

```

## Bar Chart - Selection and Rejection Analysis

- This visualization represents the number of selected (blue) and rejected (red) candidates at different recruitment stages.
- Helps in identifying recruitment trends and dropout rates at each phase.
- Insights gained:
  - If rejection rates are high in early stages, the screening criteria may need adjustments.
  - If final-stage rejections are frequent, it indicates issues with candidate expectations or evaluation methods.
  - The final stage in this dataset shows 10 rejections, signaling potential areas for improvement.
- Helps HR managers refine their hiring process to ensure a better success rate.



```

<html lang="en">
<body>
  <script>
    Ext.onReady(function () {
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          layout: 'fit',
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          margin: 10,
          items: [{
            xtype: 'container',
            layout: 'fit',
            listeners: {
              render: function () {
                var ctx = document.getElementById('barchart').getContext('2d');
                var barChart = new Chart(ctx, {
                  type: 'bar',
                  data: {
                    labels: ['Application Review', 'Interview Stage', 'Offer Stage', 'Final Decision'],
                    datasets: [{
                      label: 'Selected Candidates',
                      data: [200, 150, 120, 100],
                      backgroundColor: 'rgba(75, 192, 192, 0.6)',
                      borderColor: 'rgba(75, 192, 192, 1)',
                      borderWidth: 1
                    }, {
                      label: 'Rejected Candidates',
                      data: [50, 40, 30, 10],
                      backgroundColor: 'rgba(255, 99, 132, 0.6)',
                      borderColor: 'rgba(255, 99, 132, 1)',
                      borderWidth: 1
                    }
                  ]
                });
              }
            },
            options: {

```

## Pie Chart - Candidate Source Distribution

- This chart helps HR teams understand which sources contribute the most applicants.
- Candidate applications are categorized into:
  - **Job Portals:** Includes platforms like LinkedIn, Naukri, and Indeed.
  - **Employee Referrals:** Internal employee recommendations.
  - **Social Media:** Applications via platforms like Twitter and Facebook.
- This information helps HR departments allocate resources to the most effective recruitment channels.
- If a source has low conversion rates, it may require better engagement or targeting strategies.



## Conclusion

- The recruitment process visualization system provides key insights into the hiring process.
- HR teams can use these visualizations to:
  - Improve efficiency by identifying delays in hiring.
  - Reduce rejection rates through better candidate selection and evaluation methods.

- Optimize sourcing channels for better applicant quality.
- Future enhancements can include:
  - More granular filtering options.
  - Predictive analytics for hiring success rates.
  - AI-based automation to improve screening efficiency.
- Implementing such improvements will ensure a streamlined and data-driven recruitment process.