

IT CLUB, ABVSME

2025

Volume 2 | Issue 1 >>>

NEWSLETTER

*Beyond the Bottom-Line
Aligning IT Budgets with
Budget 2025*



[infomatrix \(IT Club\)](https://www.linkedin.com/company/infomatrix-(IT-Club))



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INDEX



1	From the Editors'
2	Current Happenings
3	Club Activities
4	Readers Section
5	Case Studies
6	IT Budget Quiz
7	IT Survey Analysis
8	Volume 1 - Case Study Solutions

From the Editor's Desk: - Shaping Tomorrow with Strategic IT Investments for 2025

Dr Priya Gupta

Welcome to the First edition Volume II of the Infomatrix IT Club Newsletter at ABVSME, JNU, themed "Beyond the Bottom Line: Aligning IT Budgets with Budget 2025." As we step into a new fiscal year, our exploration centers on the transformative role of IT budgets. These are not just financial plans but strategic blueprints essential for shaping the digital future.

This issue dissects the implications of the Indian Government's Budget 2025, which earmarks significant funding for technological advancements, highlighting our focus on how IT is leading transformations in both business and education. We explore how strategic allocations in IT can act as catalysts for robust infrastructural evolution and sustainable economic growth.

Our content includes a mix of analyses, interactive features, and expert opinions that map out the IT landscape, offering insights into the use of cutting-edge technologies such as Artificial Intelligence, Blockchain, and Cybersecurity. These technologies are foundational, supporting future industries and economic paradigms. The newsletter also highlights club activities and workshops, showcasing how our members are not just passive recipients but active contributors to the technological dialogue.



These segments provide a hands-on look at real-world applications of theoretical models, enhancing operational understanding in the digital domain.

We encourage you to engage with the content, challenge the concepts, and contribute to the discussions. This platform is not just for sharing ideas but for fostering intellectual exchange and growth. Let's inspire each other to think beyond the conventional narratives and navigate the complexities of a networked world.

Thank you for your enthusiastic engagement and continuous support. Let us continue to lead in the digital age with insights.

Happy Reading!



Editor of this Issue >>>



Yuktika Duggal

As we step into a new fiscal year, IT budgets are no longer just about numbers on a spreadsheet—they are strategic roadmaps shaping the future of businesses. The theme of Budget 2025 underscores the growing need for organizations to move beyond cost-cutting and focus on investments that drive innovation, resilience, and long-term value.

In this issue, we concentrate on articles and case studies that centre around this theme, providing insights into how IT budgets are being aligned with the Indian Budget for 2025. In addition to expert viewpoints, we feature crucial advancements and up-to-date news stories that illuminate financial

patterns and policy transformations affecting the IT industry.

We also provide updates on the current activities of Infomatrix, including informative discussions and practical workshops that give attendees a deeper understanding of innovative technologies and business trends. These initiatives have provided valuable insights, enabling members to develop the skills necessary for navigating the rapidly changing IT environment.

We hope this edition sparks meaningful discussions and provides the strategic perspectives needed to think beyond the bottom line. Because in today's digital age, the right IT investments are not just about cost efficiency—they are about building the future.

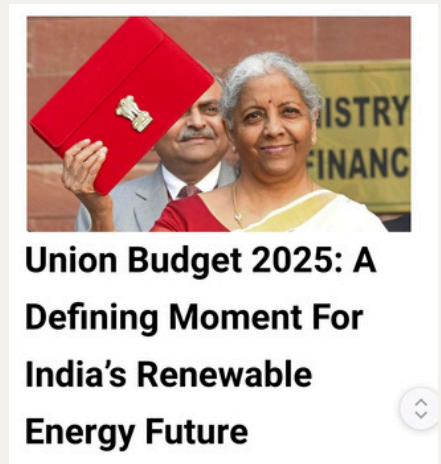
Happy reading!

Current Happenings

By Divya Sharma & Nandini
(ABVSME)

Union Budget 2025: What India tech executives said about FM's focus on AI and skill development?

Indian tech leaders welcomed the Union Budget 2025 as it emphasized AI and skill development, especially the creation of AI Centres of Excellence and a Deep Tech Fund. Microsoft and Accenture stressed the need for AI training and workforce preparedness for a future-oriented tech future. The budget's focus on research, digital innovation, and technology centers in Tier-2 cities was appreciated, although there was a sense of disappointment that there were no changes in cryptocurrency rules. Overall, the budget is viewed as a move towards realizing a globally competitive technology ecosystem.



Union Budget 2025-26 – How Much Income Tax Rebate Is Available Under Section 87A in New Tax Regime?

The Union Budget 2025-26 increases the Section 87A income tax rebate to Rs. 60,000, offering substantial relief to taxpayers with annual incomes up to Rs. 12 lakh. The budget also increases the income threshold for exemption from tax to Rs. 12 lakh and offers salaried taxpayers an extra standard deduction of Rs. 75,000. All these are part of efforts to simplify taxation, enhance disposable incomes, and propel economic growth. Taxpayers can opt either for the new or old regime of taxation based on deductions that are available at present and long-term planning.



MRAI's 12th IMRC and Union Budget 2025 Set the Course for India's Leadership in Sustainable Recycling

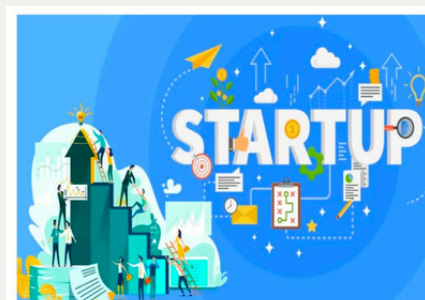
The 12th International Material Recycling Conference (IMRC), which took place on January 28 to 30, 2025, at the Novotel Jaipur Convention Centre, was a pivotal platform for industry stakeholders, policymakers, and International stakeholders to discuss the challenges and opportunities in India's recycling industry. Hosted by the Material Recycling Association of India (MRAI), the conference reaffirmed India's commitment to a circular economy and sustainable resource management of resources.



**Union Budget 2025-26:
India's Booming Startup
Ecosystem's Testament**

Union Budget 2025-26: India's Booming Startup Ecosystem's Testament

The Union Budget 2025-26 enhances India's startup ecosystem with enhanced tax relief, higher funding, and improved credit schemes. Key measures are an increased Fund of Funds, improved Credit Guarantee Scheme, and new scheme for the first-time women, SC, and ST entrepreneurs. The budget also focuses on women entrepreneurship, deep tech innovation, and skilling, together with regulatory changes to improve business ease. These measures, including the recognition of AIF securities as capital assets, aim to fuel growth and inclusion in India's dynamic startup landscape.



**Union Budget 2025-26
– How Much Income
Tax Rebate Is
Available Under
Section 87A in New
Tax Regime?**



Laying A Strong Foundation

The Union Budget for 2025-26 emphasizes India's commitment to clean technology manufacturing, focusing on domestic production of solar PV cells, EV batteries, and other critical components. The government's National Manufacturing Mission aims to reduce import dependence and support the "Make in India" initiative. While the renewable energy sector shows growth, challenges remain in scaling up production, especially for solar cells and energy storage systems. To compete globally, India needs to bridge the investment gap, particularly in manufacturing, and foster collaboration between public and private sectors, including in the nuclear sector.



Budget 2025: No income tax upto ₹12 lakh income under new tax regime

Union Budget 2025: A Defining Moment For India's Renewable Energy Future

The Union Budget 2025 emphasizes India's commitment to renewable energy, focusing on solar, wind, electric vehicles (EVs), and green hydrogen. Key initiatives include a Rs 10,000 crore investment in solar power, incentives for hybrid renewable energy projects, and a Rs 4,000 crore allocation for EV adoption. The National Green Hydrogen Mission receives Rs 600 crore to support green hydrogen production. The budget also fosters domestic manufacturing, strengthens grid infrastructure, and aims to create thousands of jobs in the renewable energy sector, positioning India as a global clean energy leader.



Laying A Strong Foundation



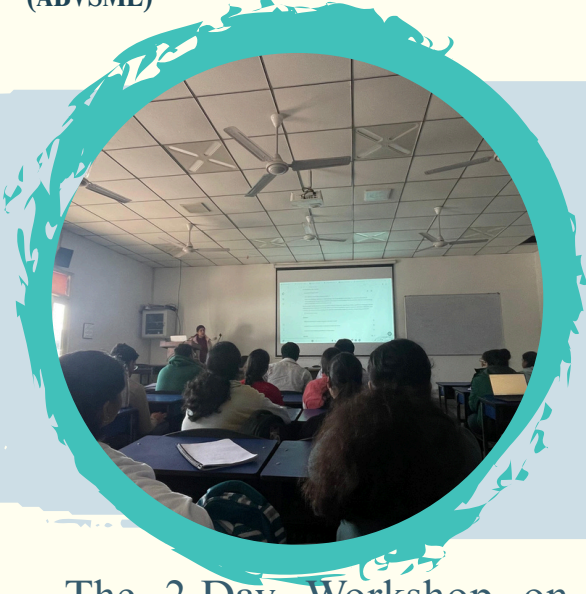
Budget 2025: No income tax upto ₹12 lakh income under new tax regime

In the Union Budget 2025-26, Finance Minister Nirmala Sitharaman announced significant relief for the middle class by making income up to ₹12 lakh tax-free under the new tax regime. With a standard deduction of ₹75,000, salaried individuals can earn up to ₹12.75 lakh without paying taxes. This change aims to boost household consumption, savings, and investments. The government expects to forgo ₹1 trillion in direct taxes. However, no changes were made to the old tax regime.



Club Activities

By Ankush Yadav
(ABVSME)



2-Day Workshop on AI Tools for Academic Writings

The 2-Day Workshop on AI Tools provided an enriching and intellectually stimulating experience, offering participants a comprehensive understanding of emerging AI-driven platforms and their practical applications. The sessions were meticulously designed to equip attendees with the necessary knowledge and technical expertise to leverage AI tools effectively in research, project development, and professional engagements.

We explored various AI platforms, including ChatGPT, Consensus, Trink AI, and many others, to deepen our understanding of leveraging prompts more effectively. This hands-on experience provided valuable insights into utilizing AI-driven tools innovatively, ensuring optimal engagement with emerging technologies. By mastering these platforms, we aim to stay ahead of the curve, enhancing our ability to adapt and excel in an evolving digital landscape. This workshop has significantly enhanced our collective understanding of AI-driven technologies, enabling us to integrate these tools into our respective fields with greater efficiency. As AI continues to evolve, the insights gained from this session will serve as a foundation for harnessing its full potential in research, industry, and beyond.



WORKSHOP ON UNRAVELING STOCK MARKET MYSTERIES WITH PREDICTIVE ANALYSIS

Guest Lecture on 'Unraveling Stock Market Mysteries with Predictive Analytics' by Dr. Ajay Chauhan Sir taught us the importance of using stock market and use of historical data for making predictions and analyzing trends, and they introduced us to Orange as a tool for performing these tasks. He taught about making graphs and possibly visualizations for analysis. He show how to make Line Graphs that can help in recognizing long-term price movements or short-term fluctuations,

Candlestick Charts which are useful for visualizing stock price action within a specific time frame. They show the opening, closing, high, and low prices, helping to understand market sentiment, Scatter Plots By plotting different features of the stock data (e.g., volume vs. price), you can visually identify correlations or patterns that might help predict stock price behavior.

Infomatrix
IT club of ANU/SO

JAWAHARLAL NEHRU UNIVERSITY
ATAL BIHARI VAJPAYEE SCHOOL OF
MANAGEMENT AND ENTERPRENEURSHIP

UNRAVELING
**STOCK MARKET
MYSTERIES** WITH
PREDICTIVE ANALYTICS

DR. AJAY CHAUHAN
SixthQResearchH LLP

SPEAKER

DETAILS

GUEST LECTURE
29th JANUARY, 2025
02:00 Pm - 06:00 Pm

Faculty Coordinator
- Dr Priya Gupta
Student Coordinator -
-Devesh Chauhan - Priyanshu Gupta
(+919599609173) (+919136002384)



WORKSHOP ON CYBERCRIMES AND IT LAWS



Workshop on Cyber Security & IT Laws: A Knowledge-Enriching Session

The Infomatrix IT Club of ABVSME, JNU, successfully organized a one-day workshop on Cyber Security & IT Laws on March 19, 2025, at Vikas Hall. The session aimed to enhance awareness of cybersecurity challenges, IT laws, and data protection among students.

The event featured distinguished speakers:

Mr. Gaurav Kumar (Assistant Professor, IILM), who provided insights into the evolution of cyber laws and the pressing challenges of cybercrimes.

Dr. Moumita Mandal (Assistant Professor, TERI), who discussed AI-driven cybersecurity threats and data privacy regulations.

Prof. Manju Khari (JNU) skillfully moderated the session, fostering an engaging discussion.

The workshop was further honored by the presence of Prof. Shobha, Dean, School of Languages, as a special invitee.

A key highlight of the event was the launch of the Management Manuscript by Gyanmanch, marking a significant academic milestone. The session concluded with an interactive Q&A, allowing students to gain valuable insights into real-world cybersecurity issues. The event was a resounding success, reinforcing the importance of cyber awareness in today's digital landscape.

JAWAHARLAL NEHRU UNIVERSITY
ATAL BIHARI VAJPAYEE SCHOOL OF
MANAGEMENT AND ENTREPRENEURSHIP
INFOMATRIX organizes

ONE DAY WORKSHOP
Cyber Security and IT Laws

This workshop aims to enhance awareness of cyber security and IT laws among students.

Keynote Speakers

 MR. GAURAV KUMAR Assistant Professor, IILM Speaker	 DR. MOUMITA MANDAL Assistant Professor, TERI School of Advanced Studies Speaker	 PROF. MANJU KHARI IC Pressing officer and Professor of IISU, JNU Moderator	 PROF. SHOBHA Dean, School of Languages Special Invitee
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TOPICS

- Gaurav Kumar
 - Evolution of Cyber Laws Jurisprudence in India
 - Cyber Crimes and Cyber Security - Issues and Challenges
- Moumita Mandal
 - Artificial Intelligence and New Challenges in Cybersecurity
 - Data Privacy and Data Protection Laws

CO-ORDINATORS

Faculty: Dr. Priya Gupta
Devesh (President of IT club)
Kirti (Member)
Krishav (Member)

HIGHLIGHTS
Launch of Management Manuscript by Gyanmanch club

MARCH 19, 2 PM
2025 **OWNWARDS**

Registration Link
<https://forms.gle/Ts1oaq2W1N1MoiLV9A>

VENUE
VIKAS HALL, ABVSME, JNU





WORKSHOP ON CYBER CRIME AWARENESS AND SAFETY TIPS

We attended an eye-opening cybercrime awareness session by Dr. Gaurav Kumar at ABVSME, JNU, and I'm still thinking about how much I learned! He broke down some of the sneakiest cyber threats out there—like AI scams with fake voices and videos, fake helplines that trick you through search engines, shady loan apps, call forwarding hacks, and social media risks like identity theft. It was a bit scary to realize how creative cybercriminals have gotten!

But Dr. Kumar didn't just leave us worried—he shared super practical tips to stay safe. Things like using strong passwords (no more "password123" for me!), being cautious with links, tightening up my social media settings, keeping my software updated, and avoiding risky transactions on public Wi-Fi. He also walked us through reporting scams on portals like sancharsaathi.gov.in, cybercrime.gov.in, and npci.org.in, stressing how important it is to speak up if something goes wrong.

Honestly, We left the session feeling more empowered than paranoid. It's reassuring to know there are simple steps I can take to protect myself—and that there's help out there if I need it. Dr. Kumar's talk was a wake-up call, but in the best way possible!

JAWAHARLAL NEHRU UNIVERSITY
ATAL BIHARI VAJPAYEE SCHOOL OF
MANAGEMENT AND ENTREPRENEURSHIP
 INFOMATRIX, HARIYALI, GYANMANCHA
 Clubs of ABVSME organises

WORKSHOP ON
Cyber Crime Awareness
and Safety Tips

Guest Speaker

DR. GAURAV KUMAR
 JNU Alumni
 (Founder and Director of Coll/Com)
 Asst. Prof at Gautam Buddha University,
 Greater Noida
 Speaker

TOPICS
 • Social Media Cyber Crime
 • Physiological Tricks, Digital Arrest, Online Gaming
 • Digital Shopping and Banking Cyber Frauds
 • Case Studies of Cyber Victims
 • Safety Precautions Tips
 • Cyber Complaining Procedures

Registration Link
<https://forms.gle/MQ2h1BncTLYpD6>

MARCH 28, 10:30 AM
2025 OWNWARDS

VENUE
 MANIKARNIKA HALL,
 ABVSME, JNU
CO-ORDINATORS
 Faculty: Dr. Priya Gupta
 Student: Divyesh (President of IT club)
 Pulkit (Member)

Readers Section

Tech-Driven Growth: Aligning IT Investments with India's 2025 Budget Priorities

Yogesh Sharma

Senior Research Fellow & PhD Scholar, ABVSME, JNU

The Union Budget 2025 has chalked out an ambitious agenda for technology-driven growth, consolidating India's status as a rising digital economy. With businesses planning their fiscal strategies, synchronizing IT spending with national goals has become essential. The budgetary emphasis on artificial intelligence, semiconductor manufacturing, green technology, and cybersecurity offers challenges and opportunities for companies across industries alike. Industry analysts from EY, International Data Corporation (IDC), and Observer Research Foundation (ORF) propose that organizations aligning their IT expenditure strategically along these priority areas will reap immense competitive benefits in the next few years.

Artificial intelligence surfaces as a cornerstone of Budget 2025 with the government committing a comprehensive National AI Mission funded with ₹10,000 crore. According to EY, this effort focuses on tapping into India's abundant talent pool coupled with promoting the private sector role in AI R&D and applications development. Additional tax relief, the 3i-Infotech report documents, is now being provided for startups and organizations deploying AI applications in strategic fields such as agriculture and healthcare. But, this quick adoption of AI needs to be weighed against ethical concerns, especially data privacy and algorithmic bias. Firms would do well to invest not only in AI capabilities but also in governance structures that provide for responsible use.

The semiconductor industry gets renewed focus in this year's budget, capitalizing on the momentum of the current Production Linked Incentive (PLI) scheme. ORF's analysis brings to light the large tax incentives and R&D grants aimed at making India a worldwide hub for chip making and designing. IDC analysts believe that this is an opportunity of a lifetime for industries that depend on electronic components, be it automotive or consumer electronics, to redesign their supply chain planning. Companies must think about directing IT budgets into collaborations with local semiconductor players and investments in IoT infrastructure that can take advantage of these emerging capabilities. The government's initiative in this area



is not merely about lowering import reliance but establishing a whole hardware innovation ecosystem. Sustainability becomes the star of Budget 2025's technology story, with unmistakable incentives for going green in IT. EY's report outlines tax incentives being provided for energy-efficient data centers and computing infrastructure powered by renewable energy. This is in line with worldwide trends toward green technology deployment and offers opportunities for businesses to upgrade their IT infrastructure while enjoying fiscal benefits. The budget's provisions encourage investments in areas like optimized cloud storage solutions, e-waste management systems, and carbon footprint tracking tools - all of which can contribute to both environmental and bottom-line benefits. Cybersecurity receives heightened attention in this budget, reflecting growing concerns about digital threats to India's expanding digital economy. The government has offered substantial funding to enhance the protection of key infrastructure and beef up enforcement of the Digital Personal Data Protection Act. IDC's research suggests that organizations place heavy investments in advanced threat detection products, zero-trust architectures, and in-depth employee training programs. As data localization regulations grow more stringent, organizations need to make sure their IT budgets provide for compliance-related expenses while ensuring robust security postures.

Digital Public Infrastructure remains a major area of emphasis, with Budget 2025 providing funds to further enhance the capabilities of India Stack. The observations of ORF bring into focus how various businesses across industries - especially in fintech, health tech, and agritech - can be empowered by deeper integration with such government-supported platforms. The budget also brings forth initiatives to make funding more accessible and lighten regulatory loads for technology startups, especially those operating in AI, semiconductors, and cybersecurity. This makes it an ideal setting for both mature businesses and new entrants to innovate and expand their operations.

For business decision-makers and IT leaders, Budget 2025 brings a compelling call to action. Strategic alignment of IT spending with national priorities provides a way towards organizational expansion and contribution to India's digital evolution. Firms that actively modify their IT roadmaps to leverage opportunities in AI, semiconductor indigenization, the adoption of green technology, and improved cybersecurity controls will be better placed to survive and succeed in the changing digital environment. This budget sets out the template for what may turn out to be a revolutionary time in India's technological advancement - one where commercial innovation and country progress go hand in hand.

ALIGNING IT BUDGETS WITH BUDGET

2025

-Shivangi

MBA Student 1st Year, ABVSME, JNU

Developing a comprehensive IT budget necessitates a thorough grasp of the current economic environment. In the context of India's Budget 2025, businesses must synchronize their IT strategies with the government's key objectives to maximize their investments and capitalize on developing opportunities. Here's a summary of the main factors to be taken into account.

IT Focus Areas for Key Budget 2025.

The government's ongoing focus on digital transformation is expected to fuel investment in areas such as cloud computing, cyber security, and digital infrastructure. IT departments should synchronize their budgets with initiatives that foster digital inclusion and improve citizen services.

- The government's continued emphases on digital transformation will likely drive investments in areas like cloud computing, cyber security, and digital infrastructure.
- IT departments should align their budgets with initiatives that promote digital inclusion and enhance citizen services.

Businesses should invest in integrating Artificial Intelligence (AI) into their operations, allocating considerable resources toward AI Centers of Excellence and Deep Tech Funds. Their budgets should also account for investments in AI-driven solutions, data analysis, and associated technologies.

- With significant allocations towards AI Centers of Excellence and Deep Tech Funds, businesses should explore opportunities to integrate AI into their operations.
- Budgeting should reflect investments in AI-powered solutions, data analytics, and related technologies.

As digital adoption rises, robust cyber security measures become an essential priority.

- As digital adoption increases, cyber security becomes paramount. IT budgets must prioritize robust security measures to protect sensitive data and mitigate cyber risks.
- Alignment with national cyber security frameworks and standards is essential.



- Invest in training and up skilling programs to equip IT professionals with the necessary skills to support digital transformation.
- Address the skills gap in areas like AI, data science, and cyber security.

Streamlining IT operations, utilizing cloud services, and implementing cost-saving solutions can help to optimize IT expenditure. Emphasis should be placed on achieving the maximum return on investment and reducing avoidable expenses.

- Optimize IT spending by streamlining operations, leveraging cloud services, and adopting cost-effective solutions.
- Focus on maximizing return on investment and minimizing unnecessary expenses.

IT budgets should allocate funds for comprehensive risk management strategies, particularly in the area of cyber security. Adherence to evolving regulatory requirements should also be considered during budget planning.

- IT budgets should include resources for robust risk management, especially regarding cyber security.

Compliance with new or changing regulations must be factored into the budget



Case Studies



By Ananya Rastogi & Keshav Sharma
(ABVSME)

Metropolitan Memorial Parks (MMP) – Streamlining Operations with Cloud-Based ERP

Metropolitan Memorial Parks (MMP), a New South Wales government organization responsible for managing cemeteries and parklands, faced significant operational challenges following the merger of three different cemetery trusts. The primary issue stemmed from the fact that each trust had its own outdated IT infrastructure, which led to inefficiencies across the newly combined organization. This lack of uniformity also meant that data consolidation was a slow and complex undertaking. Moreover, employees were largely reliant on manual, paper-based workflows, further hindering productivity. The need to maintain these separate systems also resulted in high maintenance costs for MMP.

To resolve these problems, MMP implemented a cloud-based Enterprise Resource Planning (ERP) system, specifically Technology One's SaaS Plus solution. This implementation allowed MMP to centralize its operations by creating a unified platform for finance, IT management, and employee workflows. The new system also enabled remote access, allowing staff to access real-time data from any location via a mobile-friendly interface. Furthermore, it automated various processes, streamlining routine tasks and reducing the administrative burden of paperwork.

The resulting benefits for MMP were substantial. Consolidating the systems led to cost savings through reduced software licensing and IT support expenses. The organization also experienced increased efficiency, as real-time approvals and task completion improved overall productivity. The employee experience was enhanced, with employees finding the new system more intuitive, which reduced frustration and increased job satisfaction. Beyond these immediate improvements, the scalable nature of the ERP system provided MMP with a future-ready infrastructure, positioning them for seamless growth. MMP's adoption of a cloud-first approach and focus on operational cost optimization aligns with 2025 IT budget trends, which emphasize cloud and hybrid IT environments, operational cost reduction, and improved employee productivity through digital transformation



Global Enterprise – Smarter IT Spending for Greater Productivity

A multinational corporation with operations spanning North America, Europe, and Asia encountered a common business problem: its IT costs were increasing without a corresponding rise in productivity. This issue was intensified by fragmented IT governance, which hindered coordinated decision-making, and underutilized IT resources. Furthermore, the company struggled with high infrastructure costs due to inefficiently optimized on-premise and cloud systems. To counter these challenges, the corporation initiated a comprehensive IT audit to pinpoint inefficiencies and subsequently restructured its IT approach. This restructuring included implementing centralized governance to better align IT decisions with business objectives. The company also reallocated budgets toward productivity-boosting technologies, such as AI-driven automation and real-time analytics.

Further changes involved reducing redundancies through software license consolidation and providing digital training programs to maximize employees' use of IT tools. Cloud optimization was another key strategy, with the company shifting workloads to optimized cloud environments to decrease infrastructure expenses.

The results of these changes were significant. The company achieved a 25% reduction in IT costs by eliminating redundancies.

Productivity increased by 30% as employees utilized AI tools and streamlined workflows. Centralized governance led to a more consistent IT strategy across all regions. Finally, improved cloud utilization contributed to lower expenses.

Ultimately, the company's revised IT strategy aligned with key 2025 IT budgeting trends, emphasizing cost-effective IT management, strategic investments in AI and automation, and greater reliance on cloud solutions for enhanced flexibility and scalability.

Excel Exercise: Leveraging Logical Functions to Analyze Sales Performance

XYZ Corporation is a retail company that sells various products across multiple regions. The sales team has been tasked with analyzing the sales performance of different products over the last quarter to identify the top performers and areas needing improvement. The sales data is stored in an Excel spreadsheet, which includes the following columns:

- Product Name
- Region
- Units Sold
- Unit Price
- Total Sales (Calculated as Units Sold * Unit Price)

Sales data

Product Name	Region	Units Sold	Unit Price	Total Sales
Widget A	North	150	\$10	\$1500
Widget B	South	80	\$15	\$1200
Widget C	East	200	\$20	\$4000
Widget D	West	50	\$25	\$1250
Widget E	North	300	\$30	\$9000
Widget F	South	60	\$12	\$720

1. Provide the formula to categorize each product based on the following criteria:
 - High Performer: Total Sales > \$3,000
 - Average Performer: Total Sales between \$1,500 and \$3,000
 - Low Performer: Total Sales < \$1,500
2. Count the number of products in each performance category (High, Average, Low Performers).
3. Write the formula for a nested IF function to assign a rating to each product based on:
 - Rating A: Units Sold > 200 and Total Sales > \$5,000
 - Rating B: Units Sold between 100 and 200 OR Total Sales between \$2,000 and \$5,000
 - Rating C: All other cases
4. Describe how you would create a chart in Excel to visualize this data. Discuss potential insights that could be drawn from this visualization.
5. Suppose Widget C's unit price increases by 10%. Recalculate total sales using a logical function to check if the new total sales exceed \$5,000. Write an Excel formula that reflects this scenario and determine whether Widget C remains a High Performer after the price increase.



IT Budget Quiz

By Ankita Singh & Mokshika Arya
(ABVSME)

1

In the 2025 government budget, which sector is expected to receive the most funding for IT infrastructure development?

A) Defense

B) Education

C) Healthcare

D) Public Services

2

The 2025 national budget aims to increase spending on cybersecurity. What is the primary reason for this increase?

A) To enhance digital government services

B) To combat rising cyber threats and data breaches

C) To promote new e-commerce platforms

D) To reduce taxes for tech companies

3

Which emerging technology is expected to see a rise in government investment in the 2025 budget to drive economic growth?

A) Virtual Reality

B) Artificial Intelligence (AI)

C) Blockchain

D) 5G Networks

4

In the 2025 budget, which government initiative is being prioritized to promote IT innovation?

A) Tax cuts for traditional tech industries

B) Funding for digital skills training and education

C) Investment in physical infrastructure like highways

D) Banning foreign tech companies



5

In the 2025 budget, which government initiative is being prioritized to promote IT innovation?

A) Tax cuts for traditional tech industries

B) Funding for digital skills training and education

C) Investment in physical infrastructure like highways

D) Banning foreign tech companies

6

How is the 2025 budget planning to address the digital divide in underserved areas?

A) By funding huge-scale internet infra-projects in rural areas

B) By cutting taxes for internet service providers

C) By offering free smartphones to low-income citizens

D) By reducing the cost of digital services for corporations

7

In the 2025 budget, how is the government planning to support the development of 5G technology?

A) By subsidizing smartphone manufacturers

B) By investing in 5G network infrastructure and spectrum

C) By restricting 4G services in favor of 5G

D) By offering tax cuts to international companies building 5G networks

8

Which IT-related project is expected to receive funding as part of the 2025 budget to improve public healthcare systems?

A) AI-driven diagnostic tools

B) Blockchain for patient data management

C) Telemedicine and digital health records

D) Automation of hospital administrative tasks



9

In the 2025 national budget, how does the government plan to combat misinformation and fake news online?

A) By investing in AI-powered content moderation systems

B) By shutting down social media platforms

C) By providing subsidies to news outlets

D) By reducing government regulation on tech companies

10

Which tech industry will likely see the largest boost from the 2025 government budget due to its potential in combating climate change?

A) Renewable energy technologies like solar and wind

B) Cloud computing services

C) Quantum computing

D) Green IT infrastructure and carbon-neutral data centers

11

As part of the 2025 budget, which of the following will be a key investment in IT to enhance national security?

A) Expansion of military digital tools

B) Creation of a national surveillance database

C) Investment in AI-based threat detection and cybersecurity

D) Funding for the development of self-driving vehicles for defense

12

What is one of the primary objectives of the 2025 budget's allocation towards e-commerce and digital trade?

A) To encourage local businesses to move online

B) To ban foreign e-commerce companies

C) To reduce online retail taxes

D) To eliminate import duties on tech products



13

In the 2025 government budget, which digital transformation goal is set for public services?

A) To integrate digital payment systems for tax collection

B) To replace paper-based applications entirely with digital processes

C) To build more data centers

D) To discontinue government mobile apps

14

Which tech-related public project is likely to receive funding in the 2025 budget to enhance education systems?

A) Development of a national blockchain for education

B) Expansion of online learning platforms and digital tools

C) Construction of tech hubs for students

D) Implementation of facial recognition in schools

15

In terms of data privacy and protection, what measure is included in the 2025 government IT budget?

A) Relaxing data protection laws for tech companies

B) Funding for stronger encryption methods and privacy regulations

C) Allowing tech companies to share personal data freely

D) Reducing fines for data breaches

Answer Key

1 - B

2 - B

3 - B

4 - B

5 - B

6 - A

7 - B

8 - C

9 - A

10 - D

11 - C

12 - A

13 - B

14 - B

15 - B

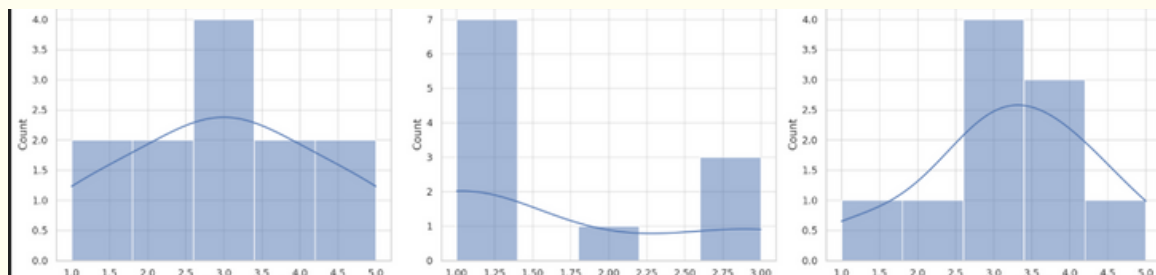
IT Budget Survey

By Vidhi Sharma & Anshul Yadav
(ABVSME)

Graphs and Charts



Beyond the Bottom Line: Aligning IT Budgets with Budget 2025



Knowledge of Budget 2025: The distribution suggests that respondents have varying levels of awareness, with a slight concentration in the middle range. This indicates moderate familiarity among participants. **Knowledge of IT Budget in the Company:** The responses are skewed towards lower levels of knowledge, suggesting that many respondents are not deeply familiar with their company's IT budget. **IT Budget Alignment with Budget 2025:** Most responses cluster around the middle (3), indicating that while some alignment exists, there is still room for improvement.

1. Most Common Level of Knowledge:

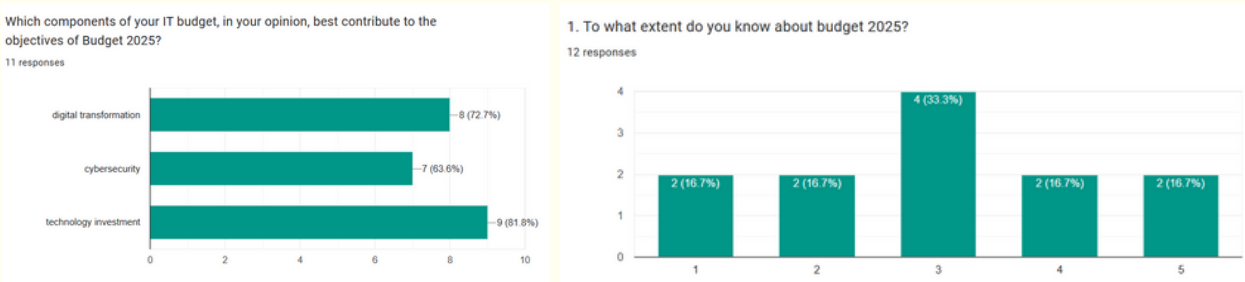
- The majority of respondents, 33.3% (4 out of 12), rated their knowledge as "3" on the scale, indicating a moderate level of familiarity with the budget for 2025.

2. Even Distribution Across Other Levels:

- The rest of the ratings (1, 2, 4, and 5) are equally distributed, with 16.7% (2 respondents each) selecting these options. This suggests a mixed understanding of the budget among participants.

3. Key Insight:

- While there's a central group with moderate familiarity, the responses reveal significant variation. This could indicate that while some participants are well-informed (ratings 4 and 5), others may need more exposure or education on the topic (ratings 1 and 2).

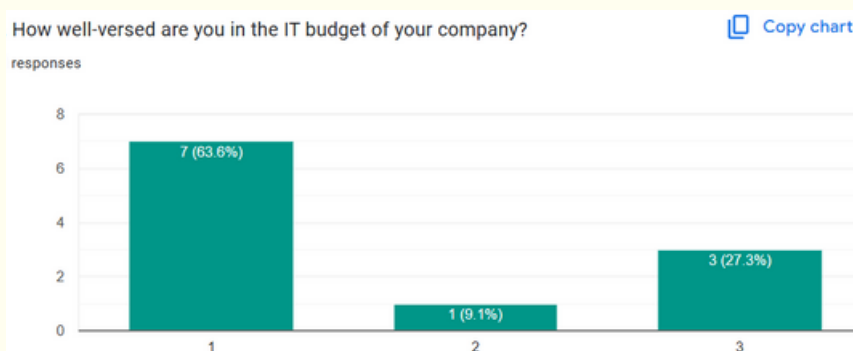


1. Top Priority: Technology Investment- With 81.8% (9 out of 11 respondents) highlighting it, technology investment is seen as the most crucial component. This underscores its significance in driving future budget objectives.

2. Digital Transformation:- Selected by 72.7% (8 respondents), digital transformation is also recognized as a key factor, likely reflecting its role in modernizing processes and enhancing efficiencies.

3. Cybersecurity:- Garnering 63.6% (7 respondents), cybersecurity is regarded as a significant yet slightly lesser priority compared to the other two components. However, its importance cannot be underestimated, given the rising threats in the digital landscape.

Insights:The data suggests that while technology investment leads as a priority, digital transformation and cybersecurity are also regarded as integral parts of an IT budget aimed at achieving future objectives. This highlights a balanced approach where investments drive transformation while safeguarding against potential risks.



1. Majority Lacks Familiarity:- The largest group, 63.6% (7 out of 11 participants), selected category 1, indicating that a significant majority feels they are not very well-versed in the IT budget.

2. Limited Moderate Knowledge:- Only 9.1% (1 respondent) marked category 2, suggesting very few participants feel they have moderate knowledge of the IT budget.

3. Somewhat Familiar:- A smaller but notable group, 27.3% (3 respondents), chose category 3, reflecting a somewhat better understanding compared to category 1.

Key Insights:

- There is a clear knowledge gap among participants, with a substantial portion showing minimal understanding of the IT budget.
- This suggests potential for improvement through targeted communication or training to enhance awareness and engagement with the IT budget.



VOLUME-1 CASE STUDY SOLUTIONS



Insights by Infomatrix VOL. 1 #ISSUE 2

Excel's Goal Seek: The Management Students's Not-so-secret weapon



EXCEL'S GOAL SEEK: THE MANAGEMENT STUDENT'S NOT-SO- SECRET WEAPON

LET'S BEGIN

Ah, management students. A crucible of late nights, caffeine-fueled debates, and group projects that make "Lord of the Flies" look like a kindergarten playdate. But fear not, weary scholar! For nestled within the unassuming confines of Excel lies a hidden gem - a tool so powerful it can turn you from a sleep-deprived zombie into a management mastermind (or at least make it look that way).

This secret weapon is called Goal Seek, and let me tell you, it's the Michael Jordan of "what-if analysis." Here's how it works: imagine your group project is on, oh, let's say, the optimal number of cat cafes a city can sustain (because, priorities). You have a fancy spreadsheet with formulas that predict catnip consumption, yarn ball depletion, and the inevitable existential dread of unemployed hamsters. But here's the kicker: you have a target - a specific number of cafes that will make your professor purr with approval (cat puns not required, but highly encouraged).

Enter Goal Seek. You plug in your desired number of cafes (let's be honest, aiming for maximum adorableness here), and Goal Seek, like a spreadsheet Santa Claus, magically adjusts another variable (say, marketing budget) to reach your cat cafe utopia. Now, you can present your findings with the confidence of a seasoned entrepreneur, all while your groupmates marvel at your financial wizardry (little do they know you just told Excel to "make it work... somehow").

But wait, there's more! Goal Seek can also be your ultimate excuse-generator. The professor asks for a sensitivity analysis on, say, the price of catnip? No problem! Just Goal Seek different catnip prices and - voila! Instant insights into the fragile feline economy. Need to show the impact of a surprise celebrity cat visit? Goal Seek that bad boy in and watch your "projected customer foot traffic" go through the roof (along with your professor's eyebrows).

Of course, with great power comes great responsibility (or at least the responsibility to not get caught using Goal Seek to calculate how many naps you can take before your presentation). But hey, used wisely, this little Excel trick can be your secret weapon for navigating the treacherous waters of group projects and emerging victorious (or at least sleep-deprived but with a decent grade).



Insights by Infomatrix VOL. 1 #ISSUE 3

Ethics of Artificial Intelligence

CASE STUDY

Alex the Lizard Tycoon: A Tale of Scales and Profits



A Slithery Good Business

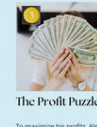
Alex, our scaly entrepreneur, is the proud owner of a pet store specializing in the most exotic lizards this side of the 525. Serengeti. Each of these little critters fetches a cool \$25, making them quite the cash cows. But, like any good business owner, Alex knows the importance of a solid supply chain.



The Lizard Supply Chain

Alex has two main suppliers:

- **Supplier A:** The reliable one, offering up to 50 lizards a month at a reasonable \$5 each.
- **Supplier B:** The more expensive option, but with unlimited supply at a steeper \$10 per lizard.



The Profit Puzzle

To maximize his profits, Alex needs to figure out the optimal number of lizards to buy from each supplier based on monthly demand. It's a balancing act, like juggling a bunch of geckos!

A Visual Feast

We've also created a snazzy graph to illustrate the relationship between lizard sales and profits. You'll see how the profit curve takes a dip when demand exceeds Supplier A's capacity.

Sensitivity Analysis: A What-If Extravaganza!
To further optimize his business, Alex can experiment with different variables:



Let's Crunch Some Numbers

We've whipped up an Excel model to help Alex (and you!) visualize his profit potential. By plugging in different demand scenarios, we can see how his profits fluctuate.



What If Scenarios:

- **Scenario 1: The Chit Chat:** If Alex sells 30 lizards, he'll source them all from Supplier A, pocketing a tidy profit.
- **Scenario 2: The Sweet Spot:** Selling 50 lizards means out Supplier A's capacity, but it's still a profitable venture.
- **Scenario 3: The Big 'Ya:** To meet this demand, Alex needs to turn to Supplier B for the extra 20 lizards, which can eat into his profits.

- **Price Hike:** What if he raises the selling price to \$30?
- **Supplier Discounts:** What if Supplier B offers a discount of \$2 per lizard?
- **The Big Question:** How does Alex's profit change as demand fluctuates?
- **What's the magic number of lizard sales to break even with Supplier B's higher price?**
- **How would a price drop to \$20 impact his bottom line?**



Insights by Infomatrix VOL. 1 #ISSUE 4

Case Study: Trendy Threads - Conquering Data Chaos

CASE STUDY: TRENDY THREADS - CONQUERING DATA CHAOS

The Challenge: Trendy Threads, a rapidly growing online clothing retailer, is facing a data deluge. Sales data from their various platforms (website, Amazon, eBay) is scattered across spreadsheets, each with its own unique format. This data disarray is hindering their ability to:

- Track sales trends across all platforms.
- Analyze customer behavior and preferences.
- Make informed decisions about inventory and marketing strategies.

The Data:

- Available to Readers: Sample sales data from each platform (website, Amazon, eBay) can be downloaded.
- Data Format: Each platform's data will have a different format, including varying column names, data types, and potential errors (e.g., typos, missing values).

Dataset for reference:
Trendy threads website sales (trendythreads_website.csv)

Order ID	Order Date	Product ID	Product Name	Quantity	Unit Price
1001	2024-07-05	TTW001	Blue Summer Dress	1	59.99
1002	2024-07-05	TTW002	Men's Black T-Shirt	2	19.99
1003	2024-07-06	TTW003	Kids' Striped Tee	1	14.99
1004	2024-07-07	TTW001	Blue Summer Dress	3	59.99
1005	2024-07-08	TTW004	Women's Jeans	1	49.99
1006	2024-07-09	TTW002	Men's Black T-Shirt	1	19.99
1007	2024-07-10	TTW005	Summer Sandals	2	29.99
1008	2024-07-11	TTW003	Kids' Striped Tee	2	14.99
1009	2024-07-12	TTW004	Women's Jeans	2	49.99
1010	2024-07-13	TTW001	Blue Summer Dress	1	59.99

SCAN FOR SOLUTIONS



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Welcome to the first edition of Volume 2, 2025 - Insights by Infomatrix!

"Level Up! 🎮"

**Dive in and Stay ahead with Exploring the Latest Trends and Insights
Shaping the Future of the Gaming Industry in Our Next Edition!"**