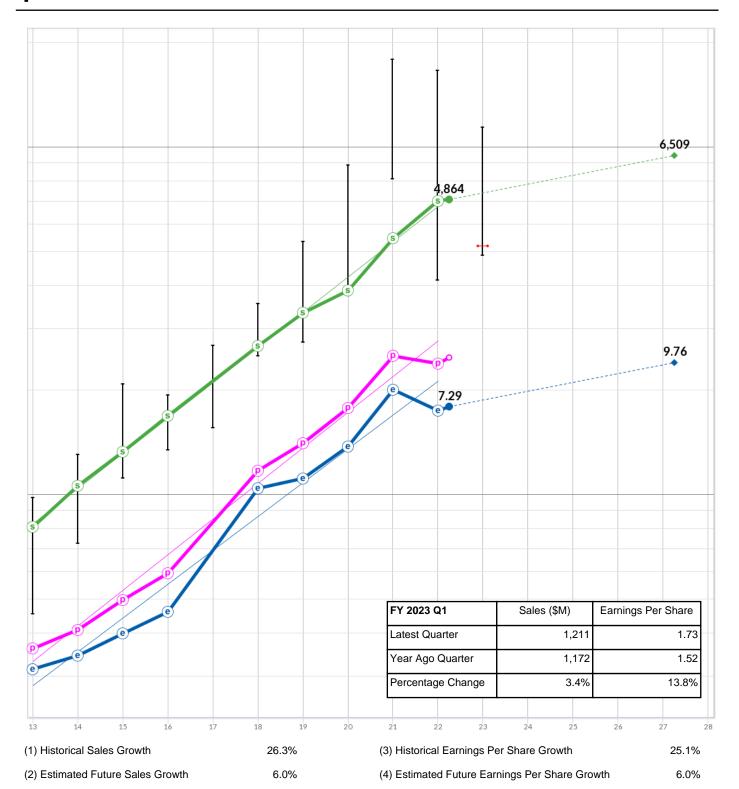


Stock Selection Guide

Company EPAM Sys Date 06/09/23												
Prepared by BASKAR Data taken from BI Stock Data												
Where traded NYS Industry Information Technology Services												
Capitalization Outstanding Amounts Reference												
Preferred (\$M)		0.0	% Insiders	% Institution								
Common (M Shares) 59.3 2.5 91.0												
Debt (\$M) 187.1	% to Tot Ca	Cap 5.6 % Pot Dil 2										

Symbol: EPAM

VISUAL ANALYSIS of Sales, Earnings, and Price



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Last 5 Year Avg.
% Pre-tax Profit on Sales	13.8%	11.9%	11.6%	10.9%	12.0%	13.6%	13.1%	14.2%	14.2%	10.5%	13.1%
% Earned on Equity	17.0%	15.2%	14.2%	12.7%	7.1%	19.2%	16.8%	16.9%	19.8%	14.8%	17.5%
% Debt To Capital	0.0%	0.0%	5.4%	3.1%	2.5%	1.9%	14.2%	11.8%	8.8%	6.0%	8.5%

3 PRICE-EARNINGS HISTORY as an indicator of the future

This shows how stock prices have fluctuated with earnings and dividends. It is building block for translating earnings into future stock prices.

CLOSING PRICE 211.33 (06/09/23) 52-WEEK HIGH 462.99 52-WEEK LOW 197.99

	Α	В	С	D	E	F	G	Н
Year	Price		Earnings	Price Earn	ings Ratio	Dividend	% Payout	% High Yield
	High Low		Per Share	High A / C	Low B / C	Per Share	F/C*100	F/B*100
2018	144.2	102.0	4.24	34.0	24.1	0.00	0.0	0.0
2019	217.0	111.4	4.53	47.9	24.6	0.00	0.0	0.0
2020	360.9	152.0	5.60	64.4	27.1	0.00	0.0	0.0
2021	725.4	328.9	8.15	89.0	40.4	0.00	0.0	0.0
2022	675.3	168.6	7.09	95.3	23.8	0.00	0.0	0.0
AVERAGE		172.6		48.8	24.9		0.0	
CURRENT/TTM			7.29	63.5	27.2	0.00	0.0	
AVERAGE PRICE EA	RNINGS RATIO	36.8	CURRENT PRI	CE EARNINGS	RATIO: 29.0			

4 EVALUATING RISK and REWARD over the next 5 years

Assuming one recession and one business boom every 5 years, calculations are made of how high and how low the stock might sell. The upside-downside ratio is the key to evaluating risk and reward.

A HIGH PRICE - NEXT 5 YEARS

Avg. High P/E 45.0 X Estimate High Earnings/Share 9.76 = Forecasted High Price \$ 439.0

BLOW PRICE - NEXT 5 YEARS

(a) Avg. Low P/E 23.0 X Estimate Low Earnings/Share 7.29 = Forecasted Low Price \$ 167.7

(b) Avg. Low Price of Last 5 Years 172.6(c) Recent Market Low Price 168.6

(d) Price Dividend Will Support Indicated Dividend = 0.00 = 0.00 = 0.00

Selected Forecasted Low Price \$ 167.7

C ZONING using 25%-50%-25%

Forecasted High Price 439.0 Minus Forecasted Low Price 167.7 = 271.3 Range. 25% of Range 67.8

 Buy Zone
 167.7
 to
 235.5

 Hold Zone
 235.5
 to
 371.2

 Sell Zone
 371.2
 to
 439.0

Present Market Price of 211.33 is in the BUY Zone

D UPSIDE DOWNSIDE RATIO (POTENTIAL GAIN VS. RISK OR LOSS)

High Price 439.0 Minus Present Price 211.33 = 227.67 = 5.2 To 1

E PRICE TARGET (Note: This shows the potential market price appreciation over the next five years in simple interest terms.)

5 5-YEAR POTENTIAL

This combines price appreciation with dividend yield to get an estimate of total return. It provides a standard for comparing income and growth stocks.

Α	Indicated Annual Dividend	0.00					
			_	0.0000		0.0 %	Current Yield
	Closing Price	211 22	_ =	0.0000	=	0.0 %	Current field

B AVERAGE YIELD - USING FORECAST HIGH P/E AVERAGE YIELD - USING FORECAST AVERAGE P/E

Avg. % Payout Forecast High PE	=	<u>0.0 %</u> 45.00	=	0.0 %	Avg. % Payout Forecast Average PF	=	<u>0.0 %</u> 34.00	=	0.0 %	
Forecast High PF		40.00			FOIECASI AVEIAGE FF		.34.00			

C COMPOUND ANNUAL RETURN - USING FORECAST HIGH P/E COMPOUND ANNUAL RETURN - USING FORECAST AVG P/E

Annualized Appreciation	15.7 %	Annualized Appreciation	9.4 %
Average Yield	0.0 %	Average Yield	0.0 %
Annualized Rate of Return	15.7 %	Annualized Rate of Return	9.4 %



Company: EPAM Sys

Symbol: EPAM

Notes: NEW STOCK-EPAM-Baskar-8/28/20

Date	Subject	Description	Туре
06/12/23	HOLD	Company sales and earnings has increased compared to year ago quarter. Q2 earnings report earnings calls - company says many of their clients are reducing the budget spent and as a result, the next 2 quarters and 2023 estimates are reduced. Sales estimate: 6% from 10% EPS Estimate: 6% from 10% High P/E: 45 from 50 Low P/E: 23 from 25 SSG is still a BUY. I recommend to HOLD and watch since the company's Management section is good with ROE. Sales is not impacted so far and company is preparing itself for the economic conditions.	Study
03/12/23	EPAM is a BUY/HOLD	Modified the average high p/e estimate from 63.8 to 60.4. Removed the 2022 high p/e as an outlier (93) which brought down the average to 60.4. Used it as a high p/e estimate. Modified the 5 year avg low p/e from 32 to 24.9. EPAM is still a BUY with it's current price of \$282. EPAM lowered it's Sales & Earnings estimates for 2023. CFRA: HOLD. Valueline: HOLD but 5 year growth potential is very high. Morningstar does not have any analysts covering it. But Quantitative rating fair value price is \$344. Company announced shares buyback in the next 1-2 years upto \$500M. My recommendation is to consider BUY ing if planning to hold for longer time as it's current price is attractive.	Study
01/02/23	Positive Comments on Dec. Manifest Investing RT	https://www.youtube.com/watch?v=psjVJJ5nkjQ&t=927s	Community
11/13/22	EPAM is HOLD	Adjusted the High P/E to 63.6 which is the 5 year average. Used 32.8 as Low P/E which is 5-yrs average. With it's current price of \$360, EPAM shows as HOLD with US/DS of 2.5:1. Total return of 14.3%. CFRA: Strong BUY and VL: Good recovery stock for the next 12-18 months. Recommend to HOLD. If price drops to \$300, consider BUY.	Study
08/16/22	Stock Update 16Aug2022: EPAM is SELL	No changes to estimates. Sales: 10, EPS: 10, High P/E: 49 Low P/E: 32.8 Current P/E is 72.5. We bought it for \$ and with current price of \$448.53, EPAM is a SELL based on my SSG.	Study
05/30/22	EPAM May 2022	Recently EPAM has been adversely impacted b geopolitical conflicts - 58% of EPAM staff were locate in Ukraine and Belarus. EPAM has wound down headcount in troubled areas and shifted work to India and South America. The shares have tanked and recovered slightly - even though the company expects a full return to growth in the second half of 2022. Operating margins during the transition are expected to contract a bit as they stand up new delivery areas. The company has a solid balance sheet with more than \$1 Billion in cash and \$300 million of FCF in 2022	Community

02/06/22	EPAM 2/7/22	4th Qtr results to be announced 2/17/22 EPAM formed in 1993, went public in 2012 Market cap is \$26.6B 2 purchases announced in last 3 moths Emakina GroupA Digital Agency Optiva MediaProfessional Services These are on top of 5 purchases made in 2021 Value Line expects 31% YOY revenue & earnings in 2022 EPAM is in 40 countries across 5 continents. Revenue comes from North America 60% Europe 33.1% Baltic Region 4.3% APAC (Asia) 2.6% Listed among top 15 companies in IT Services on Fortune 1000 Top IT services company on Fortunes 100 Fastest Growing Co	Community
01/09/22	EPAM - watch the stock for now	for last 3 years EPAM has shown significant and consistent growth in the past, and as a result stock has had a considerable run up. - PE has run up from a five year low of 27.36 in 2018 to an all time high of 79 in recent days (end of 2021). - Prices to sales ratio has gone from 3 in 2016/2017 to 9.7 in 2021! Thus the stock has gone into stratosphere briefly trading at \$717 in 12/2021, but is now receding back to reality trading recently at \$557. - Yet, there is still more for it to come down. Buy below \$328, and hold below \$525. At \$557, the stock still has ways to go before it becomes attractive. If Fed decides to taper down, stock will likely turn south and then there might be a true buying opportunity	Community
12/05/21	EPAM	EPAM is a consulting & engineering business that helps clients stay relevant & up to date with emerging technolgies. To provide this service, tehy partner with solftware & cloud service providers like Adobe, Salesfprce, Amazon & MNicrosoft. Plans revealed to acquire German digital agency Emakina Group who offers advertising, analytics, consulting content creation, cata science, marketing and platform development throu 26 offices in 18 countries. It's customers include Nike, Honda & Kitchen Aid. 3rd Qtr Results Sales +51.6%, Earnings +46.7% Forecast revenue +40%, Earnings +38.6% Conservative Buy Below 710.00 (Top 5 Stock Pick Nov)	Community
11/29/20	PTG.TO removed from peer listing	The "Refresh Study Data" function removed PTG.TO from peer listing as of 11 -29-2020 because it is no longer covered in the BetterInvesting stock data.	Study

Company: EPAM Sys Symbol: EPAM

Quarterly Growth Trend Data

Graph: Trailing 4 Quarters, Last 5 Years of Data



			Qı	uarterly	/ Data				Last 12 Months Data									
Period	Е	Pre-Tax Profit		Sales		Income Tax Rate	EPS	EPS Pre-Tax Profit		Sales	ales Income Tax			%Change				
	\$	%Change	\$ Mil	%Sales	%Change	\$ Mil	%Change		\$	\$ Mil	%Sales		\$ Mil	%Rate	EPS	Pre-Tax Profit	Sales	
03/23	1.73	13.8	127.3	10.5	19.7	1,210.9	3.4	19.6	7.29	528.3	10.9	4,864.0	-71.3	-13.5	-6.7	0.7	17.2	
12/22	2.61	8.8	201.2	16.3	25.8	1,231.3	11.2	22.9	7.08	507.3	10.5	4,824.7	-73.6	-14.5	-13.1	-4.9	28.4	
09/22	2.63	34.9	191.1	15.6	41.2	1,226.9	24.1	18.4	6.87	466.0	9.9	4,700.9	-81.4	-17.5	-4.7	-2.0	39.3	
06/22	0.32	-83.5	8.7	0.7	-93.0	1,194.9	35.6	-114.9	6.19	410.3	9.2	4,462.5	-75.6	-18.4	-8.8	-7.6	46.9	
03/22	1.52	-18.3	106.3	9.1	-7.5	1,171.6	50.1	15.6	7.81	524.8	12.6	4,149.0	63.1	12.0	30.4	32.2	48.8	
12/21	2.40	64.4	159.9	14.4	56.8	1,107.5	53.1	11.1	8.15	533.4	14.2	3,758.1	50.2	9.4	45.5	40.9	41.3	
09/21	1.95	27.5	135.4	13.7	30.2	988.5	51.6	14.6	7.21	475.5	14.1	3,374.2	50.8	10.7	32.8	31.6	31.4	

Quarterly Growth Trend Data

Company: EPAM Sys

Symbol: EPAM

Graph: Trailing 4 Quarters, Last 5 Years of Data

	Quarterly Data									Last 12 Months Data									
Period	Е	PS	Pr	e-Tax Pı	ofit	Sal	es	Income Tax Rate	EPS	Pre-Ta	x Profit	Sales	Income	Тах		%Change			
	\$	%Change	\$ Mil	%Sales	%Change	\$ Mil	%Change		\$	\$ Mil	%Sales		\$ Mil	%Rate	EPS	Pre-Tax Profit	Sales		
06/21	1.94	70.2	123.2	14.0	61.9	881.4	39.4	6.9	6.79	444.1	14.6	3,037.9	46.8	10.5	34.2	31.7	21.3		
03/21	1.86	26.5	114.9	14.7	19.2	780.8	19.9	5.1	5.99	397.0	14.2	2,788.9	47.3	11.9	21.3	19.7	15.1		
12/20	1.46	13.2	102.0	14.1	20.3	723.5	14.3	16.2	5.60	378.5	14.2	2,659.5	50.9	13.5	23.6	26.4	15.9		
09/20	1.53	31.9	104.0	15.9	30.0	652.2	10.9	14.0	5.43	361.3	14.1	2,568.8	44.9	12.4	26.6	23.1	18.6		
06/20	1.14	11.8	76.1	12.0	7.9	632.4	14.6	12.4	5.06	337.3	13.5	2,504.6	43.9	13.0	18.2	20.7	22.4		
03/20	1.47	38.7	96.4	14.8	50.1	651.4	24.9	11.3	4.94	331.7	13.7	2,423.8	46.6	14.1	19.0	24.6	24.9		
12/19	1.29	22.9	84.8	13.4	7.7	632.8	25.3	12.1	4.53	299.5	13.1	2,293.8	37.7	12.6	6.8	19.9	24.5		
09/19	1.16	0.9	80.0	13.6	21.2	588.1	25.6	16.2	4.29	293.5	13.6	2,166.0	45.6	15.5	64.4	31.6	24.7		
06/19	1.02	14.6	70.5	12.8	23.4	551.6	23.8	16.6	4.28	279.5	13.7	2,046.0	32.5	11.6	91.9	34.6	24.3		
03/19	1.06	-7.8	64.3	12.3	34.1	521.3	22.9	5.4	4.15	266.1	13.7	1,940.1	27.9	10.5	105.4	37.5	25.2		
12/18	1.05	281.0	78.8	15.6	51.3	504.9	26.5	23.9	4.24	249.8	13.6	1,842.9	1.2	0.5	223.7	43.3	27.1		
09/18	1.15	49.4	66.0	14.1	30.4	468.2	24.0	0.6	2.61	223.1	12.8	1,737.3	76.6	34.3	11.1	44.6	27.3		
06/18	0.89	30.9	57.1	12.8	32.7	445.6	27.7	12.0	2.23	207.7	12.6	1,646.6	79.2	38.1	7.7	51.7	28.1		
03/18	1.15	161.4	47.9	11.3	67.5	424.1	30.6	-34.5	2.02	193.6	12.5	1,549.9	74.4	38.4	9.2	55.1	27.0		
12/17	-0.58	-226.1	52.1	13.0	62.5	399.3	27.4	159.3	1.31	174.3	12.0	1,450.4	89.6	51.4	-29.6	37.8	25.0		
09/17	0.77	57.1	50.6	13.4	52.2	377.5	26.6	15.7	2.35	154.3	11.3	1,364.7	26.6	17.2	22.4	19.5	23.3		
06/17	0.68	47.8	43.0	12.3	39.2	349.0	23.0	13.2	2.07	136.9	10.7	1,285.4	25.5	18.6	10.7	9.9	23.1		
03/17	0.44	-2.2	28.6	8.8	-5.5	324.7	22.7	17.3	1.85	124.8	10.2	1,220.3	25.7	20.6	3.9	5.7	24.7		
12/16	0.46	-11.5	32.1	10.2	-7.7	313.5	20.5	22.7	1.86	126.5	10.9	1,160.1	27.2	21.5	14.8	19.2	26.9		
09/16	0.49	11.4	33.2	11.1	15.9	298.3	26.4	21.3	1.92	129.1	11.7	1,106.9	27.0	20.9	30.6	34.6	29.3		
06/16	0.46	24.3	30.9	10.9	26.5	283.8	30.3	21.0	1.87	124.6	11.9	1,044.6	25.7	20.7	32.6	39.0	28.5		
03/16	0.45	55.2	30.3	11.4	66.0	264.5	32.2	21.0	1.78	118.1	12.1	978.6	24.5	20.7	32.8	41.3	27.1		
12/15	0.52	40.5	34.7	13.3	41.3	260.3	28.7	20.4	1.62	106.1	11.6	914.1	21.5	20.3	15.7	22.0	25.2		
09/15	0.44	15.8	28.7	12.1	28.1	236.0	22.5	20.2	1.47	95.9	11.2	856.1	20.6	21.5	4.3	11.9	24.9		
06/15	0.37	23.3	24.4	11.2	32.8	217.8	24.7	21.3	1.41	89.6	11.0	812.8	18.0	20.1	2.9	7.1	28.4		
03/15	0.29	-17.1	18.2	9.1	-15.6	200.0	24.7	19.3	1.34	83.6	10.9	769.7	16.4	19.7	-1.5	1.1	30.2		
12/14	0.37	-2.6	24.6	12.2	5.4	202.2	28.3	25.1	1.40	87.0	11.9	730.0	17.2	19.8	9.4	13.3	31.5		
09/14	0.38	11.8	22.4	11.6	9.9	192.8	37.5	14.9	1.41	85.7	12.5	685.4	15.7	18.4					
06/14	0.30	3.4	18.4	10.5	5.5	174.7	31.2	19.5	1.37	83.7	13.2	632.8	16.3	19.5					
03/14	0.35	29.6	21.6	13.5	37.8	160.4	29.1	19.6	1.36	82.7	14.0	591.3	16.0	19.3					
12/13	0.38		23.3	14.8		157.6		19.5											



Quarterly Growth Trend Data

Company: EPAM Sys

Symbol: EPAM

Graph: Trailing 4 Quarters, Last 5 Years of Data

	Quarterly Data									Last 12 Months Data									
Period	Е	PS	S Pre-Tax Profit		Sal	Sales Income Tax Rate		EPS	EPS Pre-Tax Profit		Sales	Income Tax		%Change					
	\$	%Change	\$ Mil	%Sales	%Change	\$ Mil	%Change		\$	\$ Mil	%Sales		\$ Mil	%Rate	EPS	Pre-Tax Profit	Sales		
09/13	0.34		20.4	14.5		140.2		19.3											
06/13	0.29		17.4	13.1		133.2		19.0									·		
03/13	0.27		15.7	12.6		124.2		19.1											