



ST. JOSEPH'S DEGREE & PG COLLEGE

(AUTONOMOUS), AFFILIATED TO OSMANIA UNIVERSITY
RE-ACCREDITED BY NAAC (3RD CYCLE) WITH B++
KING KOTI ROAD, HYDERABAD

DEPARTMENT OF COMPUTER SCIENCE

ORGANIZES

INDUSTRY ACADEMIA MEET 2024



-17 FEBRUARY, 2024



10am - 12noon



-BOARD ROOM





ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
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King Koti Road, Hyderabad

Industry Academia Meet


Date: 17 February , 2024

Time: 10:00 am to 12:00pm

Venue: Board Room

Agenda

- Prayer
- Report on Industry Academia Meet held on 15th February , 2023
- Discussion on Curriculum offered to III Year BSc(MPCs/MECs/MSCs) Programmes
- Discussion on Curriculum offered To BCom(Comp/IT)/BBA(IT) Programmes
- Discussion on New Programme BSc(Data Science)
- Discussion on Internship/Projects
- Discussion on Value Added Courses / Online Courses / Certifications
- Any other points
- Vote of Thanks


HoD




14/2/24
Principal

Principal
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King Koti Road, Hyderabad

Industry Academia Meet

Date: 1st February, 2024

Time: 10:00 AM to 12:00 PM

Venue: Board Room

PROGRAM FLOW	
Prayer	
Introducing Members	Mrs. M. Kiran Jyothi, HoD, Computer Science, St. Joseph's Degree & PG College
Welcome Address	Rev. Fr. Anthony Sagayaraja, Principal, St. Joseph's Degree & PG College
Presenting the Curriculum	Mrs. M. Kiran Jyothi, HoD, Computer Science, St. Joseph's Degree & PG College
Discussion on Curriculum offered (B.Sc)	Mr. M. Sai Ramakrishna
Discussion on Curriculum offered (B.Com)	Mr. S. Srikanth
Discussion on Curriculum offered (BBA)	Mr. K. Sundeeep
Discussion on Internships Projects	Mrs. V. Sailaja
Discussion on Value Added Courses / Online Courses - Certifications	Mrs. V. Sailaja
Any other points	
Vote of Thanks	Mrs. M. Kiran Jyothi, HoD, Computer Science, St. Joseph's Degree & PG College



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Department of Computer Science


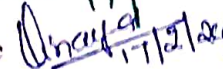

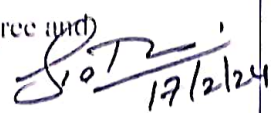
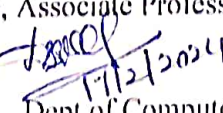


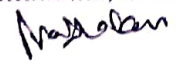
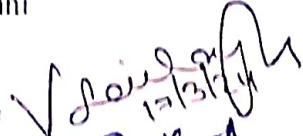
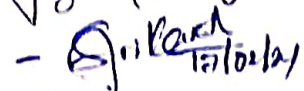


Industry- Academia Meet

Date : 17th February , 2024

Time : 10:00 AM to 12:00PM

Venue: Board Room

Members Present:

1. Rev. Fr. Anthony Sagayaraja, Principal, St. Joseph's Degree and PG College 
2. Mrs. Mary Vinaya Sheela, Dean Academics , St. Joseph's Degree and PG College 
3. Mrs. M Kiran Jyothi, Head, Dept. of Computer Science, St. Joseph's Degree and PG College 
4. Mrs.C.Swathi , Additional Head, Dept. of Computer Science , St. Joseph's Degree and PG College 
5. Dr. D. Lakshmi Srinivasa Reddy, Associate Professor ,Dept of Information Technology, CBIT- Academic Representative 
6. Dr A Innareddy , Incharge Head , Dept of Computer Science & Applications (online) Government Degree College, Chanchalguda , Hyderabad. - Academic Representative 
7. Dr. Arif Shaik, Project manager, Wipro Ltd., Hyderabad.- Industry Representative 
8. Mr. Avijit Roy, Data Scientist, Microsoft, Bangalore (online)
9. Mr.Prabhakar kuttuboina, Senior Manager, Cupgemni, Hyderabad - Alumni Representative 
10. Mrs.V.Shailaja, Assistant Professor , St. Joseph's Degree and PG College 
11. Mr. S.Srikanth , Assistant Professor , St. Joseph's Degree and PG College - 
12. Mr. K.Sundeep, Assistant Professor , St. Joseph's Degree and PG College 
13. Mr. M.Sai Ramakrishna, Assistant Professor , St. Joseph's Degree and PG College 



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Report on Industry Academia Meet held on 17th February 2024

Department of Computer Science conducted Industry Academia Meet on 17th Feb, 2024 in Boardroom at 10:00 AM. The meet was started by seeking the blessings of Almighty through a prayer by Mrs. Vinaya Sheela Dean Academics. Mrs. Kiran Jyothi, HoD of Computer Science welcomed the distinguished resource persons who are attending through offline and online mode followed by welcome address. In her address stated that the main objective of this meet is to understand the industry requirements and bring changes in the curriculum which should focus on Skill Development, better employment opportunities and Scope for Entrepreneurship. Head, Department of Computer Science Mrs. Kiran Jyothi, in her presentation, highlighted the Computer Science and IT Courses of B.Sc(MPCs/MECs/MSCs), B.Com(Comp), B.Com(IT), BBA(IT), BBA(BA) and Madam Discussed on New Programme BSc(Data Science).

Mr. M. Sai Ramakrishna, Asst Professor in Computer Science explained in detail the course wise topics covered in Curriculum offering to III Year BSc(MPCs/MECs/MSCs) Programs.

Mr. K. Sundeep and Mr. S. Srikanth, Asst Professor in Computer Science explained in detail course wise topics covered in Curriculum offering to III year BCom(Comp/IT)/BBA(IT) Programmes

Experts appreciated the way Computer Science Courses are structured in B.Sc(MPCs/MECs/MSCs) program. Experts appreciated the syllabus of IT Courses offered to B.Com(Comp), B.Com(IT), BBA(IT), BBA(BA).

Following suggestions are given by the Experts for B.Sc(MPCs/MECs/MSCs) and B.Sc(Data Science) program:

- Change the title of Advanced Web Technologies to Full Stack Development.
- Instead of Elective paper-Python can be converted to Core Paper or Value added Course.
- In Every Subject prefer to include Use Case Studies.
- In Advance Python Seaborn can be included and use Anaconda.
- In Computer Network and Cloud Computing, use Google Colab(It is a free cloud based platform)
- New Course of B.Sc (Data Science), in Advance Python Programming Numpy in Unit II, Pandas in Unit III, Data Visualization specify it.
- In B.Sc(Data Science) instead of Hadoop include Spark Framework technology.
- In B.Sc(Data Science) Machine learning and Deep learning as a core subjects, web technologies and cyber security as a elective paper.

Following suggestions are given by the Experts for B.Com/BBA program:

- PowerBi should be prefer instead of Tableau as one Visualization tool
- Clementine tool can be used in Datawarehousing and Data Mining Lab
- Change the title of Advanced Web Technologies to Full Stack Development
- In Advance Python Seaborn can be included and use Anaconda.

The programme ended by vote of thanks given by Mrs M.KiranJyothi, HoD of Computer Science.



JPR
HoD



[Signature]
Principal
2/3/24

Principal
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To

Dr. Arif Shaik,
Project Manager,
Wipro Ltd,
Hyderabad.

Date: 17-02-2024

Sub: Request to attend Industry-Academia Meet - reg.

Dear Sir / Madam,

Greetings from St. Joseph's Degree & PG College!

We are pleased to invite you as subject expert to the **Industry Academia Meet** scheduled on 17th February, 2024 from 10:00 am to 12:00 pm organized by Department of Computer Science to review and revise the curriculum offered to B.Sc / B.Com / BBA Programmes as part of our **Curriculum Review and Redesign Process**.

Looking forward for an intellectual interaction and suggestions on the curriculum offered to our students.

Thanking you,

Yours Sincerely


15/2/24
To Anthony Jagayaraja

Principal

St. Joseph's Degree & PG College
Hyderabad.



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To

Dr. D. Lakshmi Srinivasa Reddy,
Associate Professor,
Dept of Information Technology,
CBIT, Gandipet, Hyderabad

Date: 17-02-2024

Sub: Request to attend Industry-Academia Meet - reg.

Dear Sir / Madam,

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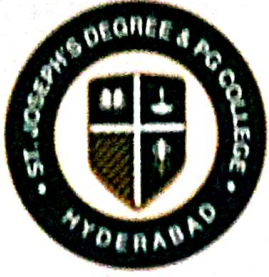
Thanking you,

Yours Sincerely


15/2/24
Rev. Fr. Anthony Sagayaraja

Principal

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To
Dr. A. Inna Reddy,
Assistant Professor,
Department of Mathematics,
Osmania University.

Date: 17-02-2024

Sub: Request to attend Industry-Academia Meet - reg.

Dear Sir / Madam,


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Rev. Fr. Anthony Sagayaraja
Principal

St. Joseph's Degree & PG College
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To
Mr. Avjit Roy,
Data Scientist,
Microsoft,
Hyderabad.

Date: 17-02-2024

Sub: Request to attend Industry-Academia Meet - reg.

Dear Sir / Madam,

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Thanking you,

Yours Sincerely


15/2/24
Fr. Anthony Sagayaraja

Principal
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Department of Computer Science

Industry Academia Meet

17th February 2024

Feedback

Date : 17-02-2024

Venue : Board Room

Time : 10:00 AM to 12:00 PM

S. No.	Program	Subject	Suggestions	Suggested by
1.	Data Science	B.Sc (Data Science)	Machine Learning & Deep Learning should be a core papers in Data Science.	Dr. D. Lakshmi Srinivas Reddy Sir.
2.	B.Sc. Data Science.	For Machine learning Mathamatic papers to be included	Linear Algebra,	
3.	BSc (MPCS/MECS/MSCS)	Adv. Web Technology	Advance technologies can be replaced by <u>full stack</u> . (FSD)	Dr. D. Lakshmi Srinivas Reddy Sir.
		"	Adv. Web can be used as core. instead of elective.	

S. No.	Program	Subject	Suggestions	Suggested by
		Python Program	P. As a Value added Course.	Vinayanan.
		Adv. Python Program in Data Science VI Sem.	Numpy in unit II & Pandas in unit III Unit IV as Data visualization & Course in matplotlib - frameworks - tensorflow, opencv & MA AV	Dr. D. Lakshmi Srinivas Reddy.
		Python Program in Data Science.	Unit I - Widgets, Creating Parameters, user level form - Notebook utilize, Anaconda RDP's	Mr. Prabhakar.
		Python Program for Data Science.	Anaconda in python unit-3	Dr. D. Lakshmi Srinivas.
		BSc Curriculum.	Case studies in each unit	Dr. Jnna Reddy.
		Python for Data Science.	Pandas, - Python libraries - Pandas, Numpy, Matplotlib - Maths for Machine Learning	Mr. Avijit
		Computer N/W.	Unit - III How to apply Policies for the buckets - Already done. Google Colab Services - free - Dr. D. Lakshmi Srinivas.	

- Creating a resource in Data Lake Layer in Practical of C/N
- 5 & 6 can be combined & add one more lab security.
- Lab Practical
- 8 & 9 Questions need to be changed.



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			<p>→ One cloud platform is enough.</p> <p>→ Projects for student with problem in <u>respond basket</u> ISRO.</p>	
			<p>Conduct Ideathon & Hackathon yearly once</p> <p>→ Artificial Neural Networks.</p>	P. L. Latshani Sainiv S. S.
	B.Sc. Data Science.	III rd Yr / I st Sem Hadoop.	<p>Spark technology - framework instead of HADOOP.</p> <p>- DL.</p>	
			<p>- Differential Calculus, Linear Algebra.</p> <p>- Vector, Vector Spaces, P.C.</p> <p>Optimization Problems.</p> <p>Region app</p> <p>- Cont Hypothesis testing.</p>	Dr. Avisit

S. No.	Subject	Suggestions	Suggested by
		Discrete mathematics not needed Linear Algebra Included Calculus in Sem I ^{mathematics} Matrices, Vectors	Dr. Lakshmi Srinivas Reddy
		Machine learning as a Core & Tech Technologies as Elective	
		Deep learning as a Core & Cyber Security as Elective	
		→ Machine learning in IV Sem.	
	Machine →	Basic probability with independent variables, Bayes' theorem, classification Dependent variable - Bayes belief N/A	
	learn. →	Basic level of statistics for visualization Gaussian Distribution.	
		- Regression technique with single, linear, non linear.	
		Deep	
	→ Deep learning	Calculus is required Differential Equations is not required.	



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S. No.	Program	Subject	Suggestions	Suggested by
1.	Bsc	cybersecurity		V. Sailaja Lakshmi Srinivas Reddy
1.	B-sc	suggesting full stack web development technology → make subject name as: Advance web technologies full stack development.		
2.	B-sc	python	→ keep python as an elective → can be converted to value-added course	Ms. Prabhakar
3.	BSC	advanced python	numpay (N), pandas (P), python. keep the heading user level, notebooks, utilites, RDD's. then logical ord.	Lakshmi Srinivas Reddy
4.	B-SC	advance pytho	In Anaconda Tool.	Mr. prabhakar
5.	B-SC	every subject	→ Include case studies	Dr- Inna Reddy
6.	B-SC	python	python library, include machine learning, basis of machine learning	Avisit
7.	B-SC	computer network	google colab → free service →	Lakshmi Srinivas Reddy
8.	B-SC	computer network	Include, Blob and data Lake → include in practical part club 556 lab, exercises and add one more cloud service	Mr. prabhakar

S. No.	Subject	Suggestions	Suggested by
1.	B.Sc Google Data Source	<ul style="list-style-type: none"> Include 'data', need of data different types? → Include → ERD files will be project files → respond based on 	Mr. Prabhakar
2	B.Sc Data Science	<ul style="list-style-type: none"> → Idea generation → Artificial Intelligence neural networks 	Mr. Somraj Reddy
3	B.Sc Data Sci	<ul style="list-style-type: none"> → natural language → spark framework instead of data lake 	Mr. Prabhakar
4.	B.Sc (Data Science)	<ul style="list-style-type: none"> Linear algebra, vectors, matrices calculated Differential Calculus Vector spaces → Probability (Bayes) approach 	
5.	B.Sc (Data Science)	<ul style="list-style-type: none"> → Hypothesis testing → including linear algebra (vectors, matrices) → Calculus with multivariable (Deep Learning) 	
6	B.Sc (Data Science)	<ul style="list-style-type: none"> → machine learn (core) → deep learning (core) → Bayesian machine learning → classification techniques 	Mr. Prabhakar Mr. Somraj Reddy
7	B.Sc Data Sci	<ul style="list-style-type: none"> → Gaussian distribution → Regularization techniques → removing web technologies → Data forcs by An Python machine learning → Instance of social networks generation 	

In. Orques, add datawarehouse
remove datawarehouse and using

Prabhakar



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V. Sait

S. No.	Program	Subject	Suggestions	Suggested by
Bcom (IT)	Data Visualisation Bcom (IT)	Data Visualisation	<ul style="list-style-type: none"> → Include either Power BI, Tableau → Classification → regression, clustering → Time Series analysis → case study 	
Bcom (IT)			<ul style="list-style-type: none"> → FSD → Dynamic content → Automated Report 	
Bcom (IT)		Data Mining and AI	<ul style="list-style-type: none"> → student → include C, RDD, databases → case studies, data (dataset) → social network data → title is not → generate AI → include deep learning, deep 	
			<ul style="list-style-type: none"> → PGIA Tool 	



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	B.Sc (Data Science)	Data structure with python, Databases. Can be merged with 4 th sem paper.		Dr. Lakshmi Srinivas & Mr. Prabhakar.
		Web Technologies Can be removed for Data Science Program. & include deep learning.		
		→ Social N/A Analysis → Generative AI Can be included	In RDBMS we can include Data warehousing & mining concepts. & remove Data warehousing & mining paper = Spark, SQL.	Mr. Prabhakar.
			Data science will be of more demand - 4 years. 4. Years of courses will have more job opportunities.	- Dr. Lakshmi Srinivas Reddy - Mr. Prabhakar.

S. No.		Subject	Suggestions	Suggested by
		Data Science Program	→ 2 Semesters Data structure & Algorithms	Mr. Anil
	Blom / BBA	Data visualization & mining	Regression in Data	
		one visualization Tool.	Tableau or Power BI Preferably Power BI regression, Time series space-forecasting Classification, Clustering can be included in Power BI unit III	Mr. Prabhakar, Dr. Lakshmi Srinivas Srik.
			Case study in	
			Data Connecting database through URL. Climantime - from IBM. Student version	Dr. Lakshmi Srinivas Srik.
			Data visualization → instead of Matplotlib → include <u>cborn</u>	
		Business Transformation using AI	- Social N/w Analysis - Decision making Structure data	

→ Gathering social n/w data
Structuring & making decision
→ gather data from different resources &