

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

(An Autonomous Institute under Kakatiya University, Warangal)

No.KITS/Acad/Autonomous-BoS(IT)/2022

Date: 03.02.2022

ORDERS

Sub: KITS, Warangal - UGC Autonomous status - Constitution of Board of Studies (BoS) for B. Tech. Information Technology (IT) Programme / - M Tech. Data Science (DS) Programme - Modified Orders - Issued.

Ref: 1. Letter No. F. 22-1/2-14(AC), Dt. 19.6.2014 from the Joint Secretary, UGC, New Delhi.

2. Letter No. 350/CDC/KU/2014, Dt. 18.8.2014 from the Registrar, KU, Warangal.

3. This office Order No. KITS/Acad/2014, Date: 20-8-2014.

Note IT/2016 - 17 Date: 26-9-2016 from HOD, IT

This office Order No.KITS/Acad/Autonomous-BoS(IT)/2016, Date: 3.10.2016

This office Order No.KITS/Acad/Autonomous-BoS(IT)/2018, Date: 12.5.2018

ITD office Note No. IT/Note/2020, Date: 06.02.2020

8. No. KITS/Acad/Autonomous-BoS (IT)/2020, Date: 07.03.2020

In continuation of the order cited 7 above & with ref. to note 8 above, the Board of Studies (BoS) for B.Tech. Information Technology (IT) / M.Tech. Data Science (DS) Programme has been constituted with the following members for a period of two (2) years with effect from the date of issue of these orders.

S.No.	Name of the Member	Designation	Position in BoS
1	Dr. T. Senthil Murugan	Assoc. Professor & HoD, ITD, KITSW	Chairperson, BoS
2	Dr. P. Kamakshi	Professor, ITD, KITSW	Member
3	Smt. G. K. Shailaja	Senior Assoc. Prof. of ITD, KITSW	Member
4	Dr. B. Kiran Kumar	Assoc. Prof. of ITD, KITSW	Member
5	Sri A. Bhaskar	Assoc. Prof. of ITD, KITSW	Member
6	Dr. Y. Bhavani	Assoc. Prof. of ITD, KJTSW	Member
7	Dr. K. Ramesh	Associate Professor, Dept. of CSE, NIT, Warangal,	External Member (from renowned Academic Institute)
8	Dr. P. Krishna Reddy	Professor, Dept. of CSE, IIIT, Hyderabad.	External Member (from renowned Academic Institute)
9	Dr. R.B.V. Subramanyam	Professor and Head, Dept. of CSE, NIT, Warangal	External Member (University Nominee)
10	Sri Sandeep Sha Vishwanath	Asst. General Manager, Hinduja Global Solutions International Pot. Ltd, DLF-Gachibowli, Hyderabad	External Member(from Industry)
11	Sri L. Prakash Rao	Program Manager, SAS, Cipher Cloud Inc., Hi-Tech city, Madnapur, Hyderabad.	External Member(from Industry)
12	Sri B. Shashidhar	Lead Analyst, Bank of America, Hyderabad.	External Member (from Industry)
13	Smt. Veena Sanjana ,	Datastage Technical Team Lead, IBM India Pot. Ltd., Hyderabad.	External Member (Post Graduate Meritorious Alumnus- Academia/Industry)
14	Smt. S. B. Swathi	Asst. Prof. of ITD, KITSW	Co-Opted Member-1
15	Sri M. Kishore	Asst. Prof. of ITD, KITSW	Co-Opted Member-2

The Board shall exercise such powers, perform such duties and functions in accordance with the procedure laid down in UGC norms for the Kakatiya Institute of Technology & Science, Warangal.

The meeting of the Board shall ordinarily be convened as and when necessary, at least twice in a year.

However, any member of the Board of Studies shall cease to be a member when he vacates the office, which he was holding at the time of his/her appointment, unless otherwise permitted by the authority.

To

The Persons concerned

Copy to: 1. Secretary & Correspondent 2. Treasurer

3. AO 4. All Heads of Departments 5. Academic Section

1/2 PRINCIPAL of



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL (An Autonomous Institute under Kakatiya University, Warangal) DEPARTMENT OF INFORMATION TECHNOLOGY

IT / Note/2020 (

Date: 23.10.2020

Submitted to Principal:

Sub: Nomination of Internal members, External members (from Industry) and External member (Post Graduate Meritorious Alumnus - Industry/Academia) Constitution of Board of Studies (BoS) for M.Tech. Data Science Programme- Reg.

The department constituted the Board of Studies (BoS) for M.Tech. Data Science Programme

with the following Internal and External members from Industry/Academia.

S. No.	Name of the Member	Designation	Position in BoS
1.	Dr. P. Kamakshi	HoD, KITSW	Chairperson, BoS
2.	G.K.Shailaja	Assoc. Prof. of Dept. KITSW	Member
3.	B. Kiran Kumar	Assoc. Prof. of Dept. KITSW	Member
4	A. Bhaskar	Assoc. Prof. of Dept. KITSW	Member
5.	Dr. Y.Bhavani	Assoc. Prof. of Dept. KITSW	Member
6.	Dr. Sudarshan Iyengar sudarshan@iitrpr.ac.in	Assoc. Professor, Dept. of CSE, IIT Ropar	External Member (from renowned Academic Institute)
7.	Dr. R.B.V. Subramanyam <u>rbvs66@gmail.com</u> , <u>rbvs66@nitw.ac.in</u> Mobile: 9491346969	Professor, Dept. of CSE, NIT, Warangal	External Member (University Nominee)
8.	Dr. N. Ramana ramanauce.ku@gmail.com Mobile:9885288905	Principal, KU College of Engineering, Kothagudem	External Member (from renowned Academic Institute)
9.	Dr. Manoj Ramesh Teltumbade manojt@cognitivecare.com, manojt@igib.in Mobile: 9015923006	Research Data Scientist CognitiveCare India Labs LLP Hyderabad	External Member (from Industry)
10.		Data Scientist CognitiveCare India Labs LLP Hyderabad	External Member (from Industry)
11.		CEO Codegnan IT Solutions Pvt Ltd Andhra Pradesh	External Member (from Industry)
12.		DatastageTechnical Team Lead, IBM India Pvt. Ltd., Hyderabad.	External Member (Post Graduate Meritorious Alumnus-Academia/Industry)
13.		Assoc. Prof. of ITD, KITSW	Co-Opted Member-1
14.		Asst. Prof. of ITD, KITSW	Co-Opted Member-2
15.	M.Kishore	Asst. Prof. of ITD, KITSW	Co-Opted Member-3

Dr. P. Kamakshi Professor & Head, Dept. of IT

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

(An Autonomous Institute under Kakatiya University, Warangal) DEPARTMENT OF INFORMATION TECHNOLOGY

Minutes of Virtual BoS Meeting

Date: 13.11.2020 Time: 10:00AM

Agenda:

- 1. Approval of Scheme of M. Tech. (Data Science) I-IV Semesters.
- 2. Approval of Syllabi of M. Tech. (Data Science) I-IV Semesters.
- Approval of POs, PSOs and PEOs of M.Tech. (Data Science).
- 4. Suggestions on software and tools required for establishing M.Tech. (Data Science)
- 5. Any other item with the permission of chair.

Members Present:

Dr. P. Kamakshi G.K.Shailaja	III B	Position in BoS
		Particular and a second
G.K.Shallaja	HoD, KITSW	Chairperson, BoS
	Assoc. Prof. of Dept. KITSW	Member
B. Kiran Kumar		
A. Bhaskar	Assoc. Prof. of Dept. KITSW	Member
Dr. Y.Bhavani	Assoc. Prof. of Dept. KITSW	Member
	Assoc. Prof. of Dept. KITSW	Member
sudarshan@iitrpr.ac.in		External Member (from renowned Academi
rbvs66@gmail.com, rbvs66@nitw.ac.in Mobile: 9491346969	Professor, Dept. of CSE, NIT, Warangal	Institute) External Member (University Nominee)
ramanauce.ku@gmail.com Mobile:9885288905	Principal, KU College of Engineering, Kothagudem	External Member (from renowned Academic
manojt@cognitivecare.com, manojt@igib.in Mobile: 9015923006	Research Data Scientist CognitiveCare India Labs LLP Hyderabad	Institute) External Member (from Industry)
nareshn@cognitivecare.com Mobile: 9000534551	Data Scientist CognitiveCare India Labs LLP Hyderabad	External Member (from Industry)
sairam@codegnan.com Mobile: 99595 55952	CEO Codegnan IT Solutions Ppt 1 td	External Member (from Industry)
sajjana_veena@yahoo.co.in Mobile: 9701296764	DatastageTechnical Team Lead, IBM India Pvt. Ltd., Hyderabad.	External Member (Post Graduate Meritorious
Dr. T. Senthil Murugan	Assoc. Prof of ITD VITCAL	Alumnus-Academia/Industry)
Smt. S.B.Swathi	Acat D. C. Curry	Co-Opted Member-1
M.Kishore	Acct Deef of the terms	Co-Opted Member-2 Co-Opted Member-3
	Dr. R.B.V. Subramanyam rbvs66@gmail.com, rbvs66@nitw.ac.in Mobile: 9491346969 Dr. N. Ramana ramanauce.ku@gmail.com Mobile:9885288905 Dr. Manoj Ramesh Teltumbade manojt@cognitivecare.com, manojt@igib.in Mobile: 9015923006 Dr. Naresh Nelaturi nareshn@cognitivecare.com Mobile: 9000534551 Sairam Uppgundla sairam@codegnan.com Mobile: 99595 55952 Smt. Veena Sanjana sajjana_veena@yahoo.co.in	Dr. R.B.V. Subramanyam rbvs66@gmail.com, rbvs66@nitw.ac.in Mobile: 9491346969 Dr. N. Ramana ramanauce.ku@gmail.com Mobile:9885288905 Dr. Manoj Ramesh Teltumbade manojt@cognitivecare.com, manojt@igib.in Mobile: 9015923006 Dr. Naresh Nelaturi nareshn@cognitivecare.com Mobile: 9000534551 Sairam Uppgundla sairam@codegnan.com Mobile: 99595 55952 Smt. Veena Sanjana sajjana_veena@yahoo.co.in Mobile: 9701296764 Dr. T. Senthil Murugan Smt. S.B.Swathi M.Kishore Associate Professor, Dept. of CSE, NIT, Warangal Principal, KU College of Engineering, Kothagudem Principal, KU College of Engineering, Kothagudem Principal, KU College of Engineering CognitiveCare India Labs LLP Hyderabad CognitiveCare India Labs LLP Hyderabad CEO Codegnan IT Solutions Pvt Ltd Andhra Pradesh DatastageTechnical Team Lead, IBM India Pvt. Ltd., Hyderabad. Massoc. Prof. of ITD, KITSW Asst. Prof. of ITD, KITSW Asst. Prof. of ITD, KITSW

Resolutions:

- Virtual BoS meeting of Information Technology Department was conducted on 13.11.2020, from 10:00 am to 1:00 pm through Google Meet.
- The above mentioned BoS members are present and offered their valuable suggestions.
- 3. BoS members of Information Technology, KITSW approved
 - a) Scheme of M. Tech. (Data Science) I-IV Semesters
 - Syllabi of M. Tech. (Data Science) I-IV Semesters and made following suggestions to incorporate.
 - c) POs, PSOs and PEOs of M.Tech. (Data Science).

S. No.	Course Code	Course Name	Suggestions made by the BoS members	Remarks
1.	P20DS101	Advanced Data Structures through Python	Title to be changed as Advanced Data Structures and Algorithms Rearrangement of course content.	Incorporated
2.	P20DS102	Data Science	1. Title to be changed as "Mathematical Foundations for Data Science" 2. Linear Algebra, Statistics, Probability and optimization techniques are to included 3. Multiple Comparison Problem to be included	Incorporated
3.	P20DS103A	Data Visualization	To include contents in Data Science Laboratory course Advanced Data Mining course to be added	Incorporated
4.	P20DS103B	Information Retrieval Systems	Syllabus Unanimously approved, as presented and suggested to move to P20DS103C	
5.	P20DS103C	Information and Cyber Security	Syllabus Unanimously approved, as presented and suggested to move to P20DS203C	Incorporated
6.	P20DS104A	Statistical Foundations for Data Science	Suggested to remove as it is included in P20DS102	Incorporated
7.	P20DS104B	Natural Language Processing	Syllabus Unanimously approved, as presented	
8.	P20DS104C	Cryptanalysis	Suggested to remove the course as it is not opt for Data Science	Incorporated
9.	P20DS105	Advanced Data Structures through Python Laboratory	Title to be changed as Advanced Data Structures and Algorithms Laboratory	Incorporated
10.	P20DS106	Data Science Laboratory	Data visualization programs to be included. Google Colab programs to	Incorporated

			be included	
11.	P20DS201	Big Data Analytics	Syllabus Unanimously approved, as presented and suggested to move to P20DS104A Mining Massive Datasets book can be included	Incorporated
12.	P20DS202	Artificial Intelligence and Machine Learning	Offer this as two separate courses and suggested to include Artificial Intelligence in 1st semester as P20DS103B and Machine Learning as professional core (P20DS202) IBM Watson need to be introduced	Incorporated
13.	P20DS203A	Numerical Linear Algebra for Data Analytics	Suggested to remove & include relevant contents of linear algebra in P20DS102. Include Reinforcement Learning course as P20DS203A	Incorporated
		Web Analytics	Syllabus Unanimously approved,	
14.	P20DS203B	and Development	as presented Suggested to remove the course as	Incorporated
15.	P20DS203C	Cloud Computing	it is not opt for Data Science.	Incorp.
16.	P20DS204A	Recommender Systems	Suggested to remove the course as it is not opt for Data Science. Include Social Data	Incorporated
17.	P20DS204B	Soft Computing	Analysis 1. Move this course to 1st semester as P20DS104C 2. Include Predictive Analytics	Incorporated
18.	P20D5204C	Image and Video Analytics	Offer this as two separate courses and suggested to 1. Change Image Analytics as Medical Image Processing and move to 3rd semester (P20DS301A) 2. Offer Video Analytics as a separate course in 3rd semester (P20DS301B)	Incorporated
	P20DS205	Neural Networks	Syllabus Unanimously approved,	
19.	P20DS206	Laboratory Machine Learning	as presented Book "Introduction to statistical learning with applications in R" to	Incorporated
20.	P20DS301A	Deep Learning	Title to be changed as Advanced Neural Networks and offer in 2nd	Incorporated
21.	F20D33011		semester (P20DS201) Title to be changed as Distributed	Incorporated

		Computing	Systems and move to 2 nd semester (P20DS204C)	
23.	P20DS301C	Blockchain Technologies	Syllabus Unanimously approved, as presented	
24.	Laboratory Establishment		Cloud environment to installed GPUs with CUDA graphic cards need to be provided for mining image and video data	

Finally, Dr. P. Kamakshi, Professor & Head and Chairperson, BoS, ITD, thanked all the BoS members, Principal, AAC members and faculty of Information Technology Department for giving their suggestions while preparing the scheme and drafting the syllabus.

The meeting was adjourned at 1:00pm

Regards:

Dr. P. Kamakshi

Chairperson, BoS of IT, KITSW

Professor & Head,

Department of Information Tchnology,

Kakatiya Institute of Technology & Science(KITSW),

Yerragattu Hillock, Bheemaram,

Warangal, Telangana, India-506015.

Mobile: +91- 94419 30591



Scheme & syllabus-BOS, Request to Acknowledge and approve Meeting Minutes Meeting

KAMAKSHI PILLE <hod.it@kitsw.ac.in> To: sairam@codegnan.com

Fri, Nov 20, 2020 at 10:34 AM

Respected Sir.

Sub: Acknowledgement and approval of Meeting Minutes ,Scheme & syllabus through mail-reg

On behalf of IT department faculty members, I Thank you for giving valuable suggestions during the Virtual BOS Meeting. We noted the suggestions and tried our best to incorporate the changes. I thank you once again for spending your valuable time and guiding us .

I request you to send a reply mail indicating the acknowledgement & approval of following attached documents:

- Minutes of Virtual BOS Meeting for M.Tech.Data Science
- Approval of POs, PSOs and PEOs and Scheme of M. Tech. Data Science I-IV
- Approval of Syllabi of M. Tech. (Data Science) I-IV Semesters.

With regards.

Dr. P.Kamakshi Professor & Head Dept. of Information Technology Kakatiya Institute of Technology and Science, Warangal Mobile: 9441930591 email: hod.it@kitsw.ac.in

3 attachments

1_Minutes of the Virtual BoS Meeting, IT, KITSW 13.11.2020.docx 53K

2_Final MTech(DS)_Scheme, PEOs, PSOs, POS@19-11-2020.doc

3_Updated_MTech(DS)Syllabi@19-11-2020.doc 971K



Request to Acknowledge and approve Meeting Minutes ,Scheme & syllabus-BOS Meeting

S.R.S. lyengar <sudarshan@iitrpr.ac.in> To: KAMAKSHI PILLE < hod.it@kitsw.ac.in> Sat, Nov 21, 2020 at 8:11 PM

Dear madam,

Everything looks good and is as per the suggestions made during the interaction.

Regards, S.R.S. lyengar

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Request to Acknowledge and approve Meeting Minutes, Scheme & syllabus-BOS Meeting

Manoj Teltumbade <manojt@cognitivecare.com> To: KAMAKSHI PILLE < hod.it@kitsw.ac.in>

Fri, Nov 20, 2020 at 10:41 AM

Respected Ma'am,

I acknowledge and approve the documents attached in the mail.

Thanks & Regards, Manoj Teltumbade, PhD Research Data Scientist, CognitiveCare Pvt Ltd +919015923006

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Request to Acknowledge and approve Meeting Minutes ,Scheme & syllabus-BOS Meeting

Naresh Nelaturi <nareshn@cognitivecare.com> To: KAMAKSHI PILLE < hod.it@kitsw.ac.in>

Tue, Nov 24, 2020 at 11:18 AM

Sub: Acknowledgement of meeting minutes, Scheme and syllabus M.Tech, Data Science programme

Respected Professor,

I would like to acknowledge and give approval of meeting minutes, Scheme and syllabus - M.Tech.Data Science programme. After reviewing the scheme and syllabus, I am convinced that the students of the M.Tech.Data Science programme will attain the skills needed for the Industry.

Thank you for your trust in me and looking forward to future meetings.

yours sincerely Naresh

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Request to Acknowledge and approve Meeting Minutes, Scheme & syllabus-BOS Meeting

Ramana Nagavelli <ramanauce.ku@gmail.com> To: KAMAKSHI PILLE < hod.it@kitsw.ac.in>

Sat, Nov 21, 2020 at 8:29 AM

Madam Good morning.

I appreciate your efforts and also recommend minutes of meeting for Approval.

Thank you

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Request to Acknowledge and approve Meeting Minutes ,Scheme & syllabus-BOS Meeting

sairam uppugundla <sairam@codegnan.com> To KAMAKSHI PILLE < hod.it@kitsw.ac.in>

Tue, Nov 24, 2020 at 4:14 PM

Hi Kamakshi mam,

First of all thanks for inviting and including me into this virtual Data science BoS meeting. I'm acknowledging and approving the curriculum with small recommendations for not to have machine learning and neural networks in same semester.

Thanks & Regards Sairam Uppugundla Founder and CEO Codegnan IT Solutions OPC Pvt Ltd +91 9959555952

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Request to Acknowledge and approve Meeting Minutes, Scheme & syllabus-BOS Meeting

Prof Dr.R.B.V.Subramaanyam <rbvs66@gmail.com> Reply-To: rbvs66@gmail.com To: KAMAKSHI PILLE < hod.it@kitsw.ac.in>

Tue, Nov 24, 2020 at 2:08 PM

Prof Kamakshi P.

I have looked at the attachments to your email and I approve the same. For your record, I state that I approve the following.

- 1. Minutes of Virtual BOS Meeting for M.Tech.Data Science
- Approval of POs, PSOs and PEOs and Scheme of M. Tech. Data Science I-IV Semesters.
- Approval of Syllabi of M. Tech. (Data Science) I-IV Semesters.

Thanks rbv subramanyam

Prof. R.Bala Venkata Subramaanyam M.Tech.(IIT Kgp), Ph.D.(IIT Kgp)

Professor, Department of Computer Science & Engineering, Chief Investigator, Electronics & ICT Academy (Set up by MeitY, Govt. of India)

National Institute of Technology, WARANGAL - 506 004, Telangana State, India.

Contact: +91 949 134 6969 (Personal), 9441 434 454 0870- 246 2 736 (Faculty Room), 0870 246 2700 (Head, CSE),

Residence: 1-1-353/1, Near Ramalayam, Prashanth Nagar, Near NIT, Hanamkonda, Warangal - 506004.. Ph.: 0870 -255 6969 (Landline), 833 2969 413 (mobile)

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Request to Acknowledge and approve Meeting Minutes, Scheme & syllabus-BOS Meeting

sajjana veena <sajjana_veena@yahoo.co.in> To: KAMAKSHI PILLE < hod.it@kitsw.ac.in>

Sun, Nov 22, 2020 at 7:36 PM

Hi Madam,

I have gone through the attached documents.

I approve and acknowledge the documents.

Thanks and Regards, Veena Sajjana.

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