

**RAMNARAIN RUIA AUTONOMOUS COLLEGE****DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

<b>MINUTES OF MEETING</b>	<b>DATE: - 24-09-2024</b>	<b>TIME:- 09:30 AM to 11:00 AM</b>
<b>MEETING PLACE</b>	<b>Online Meeting on Google Meet</b>	
<b>MEETING CALLED BY</b>	Mrs. Aarya Tawde, HOD & Chairperson	
<b>TYPE OF MEETING</b>	<b>Subject Board Meeting for B.Sc. &amp; M.Sc. Computer Science Syllabus (2024-25)</b>	
<b>NOTE TAKER</b>	Ms.Kiran Prajapati	
<b>MEMBERS ATTENDED</b>		
<ul style="list-style-type: none"><li>● Mrs. Aarya Tawde, Chairperson, Ramnarain Ruia Autonomous College</li><li>● Dr. Sushil Kulkarni, School of Mathematics &amp; Applied Statistics, NMIMS University</li><li>● Dr. Siby Abraham, Dean, Centre of Excellence in Analytics &amp; Data Sciences, NMIMS University</li><li>● Dr. Suhasini Vijaykumar, Principal, Bharati Vidyapeeth</li><li>● Mr. Aditya Paranjpye, Solution Architect, Integration Practice Lead, TCS</li><li>● Ms. Rasika Mundhe, Assist Prof, Ramnarain Ruia Autonomous College</li><li>● Ms. Edith Juni, Assist Prof, Ramnarain Ruia Autonomous College</li><li>● Mr. Mahavir Advaya, Assist Prof, Ramnarain Ruia Autonomous College</li><li>● Ms. Kiran Prajapati, Assist Prof, Ramnarain Ruia Autonomous College</li><li>● Ms. Priyanka Vaddepalli, Assist Prof, Ramnarain Ruia Autonomous College</li></ul>		
<b>MEETING AGENDA FOR B.Sc. &amp; M.Sc COMPUTER SCIENCE</b>		
<ol style="list-style-type: none"><li>1. To confirm the minutes of the previously held BOS Meeting.</li><li>2. To seek approval for the changes in the syllabi as per NEP2020 structure for MSc (Part I/II for the year 2024-25)</li><li>3. To seek approval for the changes in the Modalities of assessment (Internal Class tests/Assignments etc.), if any.</li><li>4. To seek suggestion on Field Projects/CEP (Community Engagement Programs) &amp; OJT(Online Job Training) to be conducted in Semester III and IV (2024-25)</li><li>5. Any other matter with the permission of the chair<ol style="list-style-type: none"><li>a. To seek suggestions for the TYBSc course structure &amp; content to be decided for V &amp; VI (2025-26).</li></ol></li></ol>		
<b>AGENDA 1</b>	To confirm the minutes of the previously held BOS Meeting.	
<b>DISCUSSED THAT:</b>		
<ul style="list-style-type: none"><li>● Ms. Aarya Tawde briefed about previous meeting minutes.</li></ul>		

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<b>AGENDA 2</b>	To seek approval for the changes in the syllabi as per NEP2020 structure for MSc (Part I/II for the year 2024-25)
<b>DISCUSSED THAT:</b> <ul style="list-style-type: none"><li>As there was no change in the syllabus content of MSc Part I &amp; II, Ms. Aarya Tawde concluded that whatever was approved in earlier meetings was to be continued.</li></ul>	
<b>AGENDA 3</b>	To seek approval for the changes in the Modalities of assessment (Internal Class tests/Assignments etc.), if any.
<b>DISCUSSED THAT:</b> <p>Ms. Aarya Tawde discussed about the structure suggested by the college for assessment of practicals as follows:</p> <ul style="list-style-type: none"><li>Marking scheme for theory and practical for all courses of UG and PG will be - 25 marks / credit from 2024-25 and onwards.</li><li>All Practical (Credit 1) exams of DSC, DSE, VSC/ SEC for both UG and PG programmes will be conducted for 50 marks and will be converted to out of 25.</li><li>There will be no internal assessment component for practicals under NEP of DSC or DSE as well as for practical courses like VSC and SEC from 2024-25.</li></ul> <b>RESOLVED THAT:</b> <ul style="list-style-type: none"><li>BOS Members approved it.</li></ul>	
<b>AGENDA 4</b>	To seek suggestion on Field Projects/CEP (Community Engagement Programs) & OJT(online job Training) to be conducted in Semester III and IV (2024-25)
<b>DISCUSSED THAT:</b> <ul style="list-style-type: none"><li>Ms. Aarya Tawde and other faculty members seeked suggestions from BOS Members regarding FP/CEP/OJT.</li></ul> <b>RESOLVED THAT:</b> <ul style="list-style-type: none"><li>BOS Members suggested the idea of collaborating with various NGOs. Students can be divided into groups and mentors can be assigned to each group. Each activity students do, should be reported to the mentor and recorded in a journal(10-15 pages) or diary. NGO can also be one of the signing authorities for the activities. Students can have CEP activities like skilled based training for underprivileged students, online marketing for NGO or other services, training in BMC Schools.</li><li>Regarding OJT For BSC Students, it was added that it is a challenging task, time duration allotted for OJT along with managing regular courses may go tedious for students. So, it was suggested that OJT can be done in the summer break in between Semester IV and Semester V and the students can be evaluated in Semester VI for the work.</li><li>In worst case scenarios, where students are unable to get OJT, they may be given some projects by the mentors.</li></ul>	
<b>AGENDA 5</b>	Any other matter with the permission of the Chair

- To seek suggestions for the TYBSc course structure & content to be decided for V & VI (2025-26)

**DISCUSSED THAT:**

- Ms. Aarya Tawde briefed about the existing FY SY NEP structure. She explained the difference between Major & Minor courses and added that our Minor courses are all related to Data Science.
  - BOS Members asked if rearrangement of some courses from FY SY can be done so that seeking OJT after SY becomes more easier.
  - Ms. Edith Juni elaborated that rearrangement of courses will be a difficult task as it will affect the entire structure of our BSC and MSC courses that we have planned. She added that sufficient technologies to get internships for students are already introduced to FY and SY and it is observed that based on those courses in FY-SY, students are able to get good internships and introducing more advanced courses in FY-SY, will make it difficult for students to absorb them and essence of a new technology may get lost.
  - BOS Members suggested that some advanced courses like Data Science can be given from NPTEL Swayam under OE. This can help them to prepare for their OJT, as these are trending areas where a lot of internship opportunities are available.
- Mr .Mahavir Advaya discussed AI syllabus topics and BOS members suggested making certain changes to make it a powerful course. The changes suggested were to add prompt engineering, Gen AI, LLM.
- Ms. Aarya Tawde discussed the content for the course Data Science. It was recommended by BOS members to change the paper title and to remove all Machine Learning related concepts from this paper like Ensemble methods, optimization part, because all these topics can be added to Machine Learning paper.
- Mr .Mahavir Advaya seeked suggestions regarding Cloud Computing and Web services course, he showed the content of the current Cloud Computing paper of Semester VI and Web Services paper of Semester V. He seeked suggestions regarding how to design that papers, which part could be focused more on, Cloud Computing or Web services. In addition, he gave the idea of complications faced in conduct of practicals happening for these courses in present.
- Ms. Priyanka Vaddepalli discussed Data Structure syllabus with all the members. Topics covered were to the mark. A query was raised for bringing that paper in Semester V because of the paper title.
- Ms.Aarya Tawde discussed the syllabus of Machine Learning.
- Ms. Aarya Tawde raised a concern regarding positioning of the courses of AI, ML and Data Science across the semesters.

**RESOLVED THAT:**

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- BOS members agreed to the existing structure of FY SY NEP2020. From Swayam NPTEL , advanced courses can be given to students which help them to get better OJT.
- BOS Members suggested adding a section of Prompt Engineering with 2-3 examples in the AI course. Unit 3 can be expanded into 2 separate units, where Prompt Engineering. LLM and Gen AI can be introduced. Unit 1 is ok, little of the knowledge presentation part can be reduced.
- BOS members suggested the name of the Data Science course as Data Exploration and visualization.
- It was suggested for the new Cloud Computing & Web Services course that, out of 3 units, 1.5 units can be framed on Cloud Computing and 1.5 units on Web Services OR 1 unit for Cloud Computing and 2 units on Web Services. Considering the problems faced in the current scenario for the practical aspect of these courses, it was suggested that practicals could be designed accordingly by giving 50% weightage to CC and 50% to Web services.
- BOS Member suggested changing the Data Structure course title.
- BOS Members suggested adding a number of ML techniques in supervised and unsupervised learning and to remove the part of ANN , so that it can be added to Deep Learning.
- BOS Members helped at positioning of courses of ML and DS, and suggested that Data Science(Data Exploration and Visualization should come in Sem V and in Sem VI, Machine Learning can be added).

Since there were no other matters to discuss, the meeting was concluded at 11.00 AM with a vote of thanks to the BOS Members & Academic Dean.

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MEMBERS OF SUBJECT BOARD IN COMPUTER SCIENCE	
Mrs. Aarya Tawde (Ms. Megha Sawant) Head Dept. of Comp. Sci. & IT Ramnarain Ruia Autonomous College	Present
Dr. Sushil Kulkarni School of Mathematics & Applied Statistics NMIMS University	Present
Dr. Siby Abraham Professor, Centre of Excellence in Analytics & Data Sciences, NMIMS (Deemed to be) University, Mumbai	Present
Mr. Aditya Paranjpye Solution Architect Integration Practice Lead TCS	Present
Ms. Rasika Mundhe Dept. of Comp Sci Ramnarain Ruia Autonomous College	Present
Ms. Edith Juni Dept. of Comp Sci Ramnarain Ruia Autonomous College	Present
Mr. Mahavir Advaya Dept. of Comp. Sci. Ramnarain Ruia Autonomous College	Present
Ms. Kiran Prajapati Dept. of Comp Sci Ramnarain Ruia Autonomous College	Present
Ms. Priyanka Vaddepalli Dept. of Comp Sci Ramnarain Ruia Autonomous College	Present

*Tawde*

Mrs. Aarya Tawde (Ms. Megha Sawant)  
Head  
Dept. of Comp. Sci. & IT  
Ramnarain Ruia Autonomous College

*Aslam*



**Principal**  
Ramnarain Ruia Autonomous College  
Matunga, Mumbai - 400 019.

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<b>MINUTES OF MEETING</b>	<b>DATE: - 29-03-2025</b>	<b>TIME:- 11 AM to 12:30 PM</b>
<b>MEETING PLACE</b>	<b>Online Meeting on Google Meet</b>	
<b>MEETING CALLED BY</b>	Mrs. Aarya Tawde, HOD & Chairperson	
<b>TYPE OF MEETING</b>	<b>Subject Board Meeting for B.Sc. &amp; M.Sc. Computer Science Syllabus (2025-26)</b>	
<b>NOTE TAKER</b>	Ms.Kiran Prajapati	
<b>MEMBERS ATTENDED</b>		
<ul style="list-style-type: none"><li>• Ms. Aarya Tawde (Ms. Megha Sawant), Chairperson, Head, Department of Computer Science &amp; IT, Ramnarain Ruia Autonomous College</li><li>• Dr. Dipti Sahasrabuddhe, Project Manager, Clarity Biosystems</li><li>• Dr. Siby Abraham, Dean, Centre of Excellence in Analytics and Data Science, School of Management, NMIMS University</li><li>• Dr. Suhasini Vijaykumar, Principal, Bharati Vidyapeeth</li><li>• Ms. Maya Nair, Assistant Professor, S.I.E.S College</li><li>• Mr. Kasam Shaikh (Industry Expert), Associate Director, Capgemini</li><li>• Mr. Shashwat Singh, Technical Architect, Travel Cue Management Pvt. Ltd</li><li>• Ms. Edith Juni, Assist Prof, Ramnarain Ruia Autonomous College</li><li>• Mr. Mahavir Advaya, Assist Prof, Ramnarain Ruia Autonomous College</li><li>• Ms. Kiran Prajapati, Assist Prof, Ramnarain Ruia Autonomous College</li><li>• Ms. Priyanka Vaddepalli, Assist Prof, Ramnarain Ruia Autonomous College</li><li>• Ms.Pooja Chettiar, Assistant Professor, Ramnarain Ruia Autonomous College</li></ul>		
<b>MEETING AGENDA FOR B.Sc. &amp; M.Sc COMPUTER SCIENCE</b>		
<ol style="list-style-type: none"><li>1. To confirm the minutes of the previously held BOS Meeting</li><li>2. To revise and approve the syllabi for TY BSc for the academic year 2025-26 under NEP.</li><li>3. To discuss OJT-4 credits /swayam-2 credits by college and upskilling courses by department-2 credits.</li><li>4. To review the feedback of students on the Curricula.</li><li>5. Any other matter with the permission of the chair</li></ol>		
<b>AGENDA 1</b>	To confirm the minutes of the previously held BOS Meeting.	
<b>DISCUSSED THAT:</b>		
<ul style="list-style-type: none"><li>• Ms. Aarya Tawde briefed about previous meeting minutes.</li></ul>		
<b>AGENDA 2</b>	To revise and approve the syllabi for TY BSc for the academic year 2025-26 under NEP.	

**DISCUSSED THAT:**

- Aarya Tawde shared the immediate TY NEP structure where we are offering the following papers.
  - DSC papers(AI, UX/UI, INS, CC & Web Services, IOT , IR)
  - DSE papers(ASP.NET Core MVC, Game Development)
  - Minor track(Data Analytics & Machine Learning, Advanced Data Analytics)
  - VSC(Ethical Hacking)
  - OJT/ Swayam+upskilling course
- Aarya Tawde discussed the Data Analytics & Machine Learning, Advanced Data Analytics syllabus.
  - Dr. Siby Abraham suggested that in Data Analytics & Machine Learning, two techniques of regression, two classification, and two clustering techniques can be enough. Remove ensemble methods, hypertuning and model analysis.
  - Dr. Suhasini suggested rethinking the extent of ANN topics that will be covered.
- Aarya Tawde shared and discussed the new structure that is going to be applicable from 2025 onwards for FY batch.
- The minor track will be as follows from FY to TY:
  - DBMS (Sem I), Foundational Mathematics (Sem II), Statistical Fundamentals (Sem III), Data analytics and Machine Learning (Sem IV), Advanced Data Analytics (Sem V) and Data Visualisation(Sem VI).
- Aarya Tawde discussed the scope of Data analytics and Machine Learning, Advanced Data Analytics and Data Visualisation.
- Rasika Mundhe discussed the papers Python in Data Science, Basic Python, Advance Python Programming.
- BoS Members gave some more suggestions for OE suggesting that you can bring Ethics in AI, Prompting without coding, some papers on problem solving and programming techniques, or some web related topics, UX/UI design papers.
- Mahavir Advaya discussed AI syllabus
  - BoS Members suggested focusing more on Gen AI concepts. In addition to removing unit 2, reducing unit 1 as a problem solving by searching is not needed that much, including prompt engineering concepts.
- Mahavir Advaya discussed IOT syllabus
  - BoS Members suggested topics like sensors, IOT and cloud offerings, Include SDN, IOT system management, networking concepts, Cloud IOT.
- Mahavir Advaya discussed ASP.NET syllabus
  - BoS Members approved it.
- Edith Juni discussed UX/UI syllabus.
  - BoS Members approved it.
- Rasika Mundhe discussed Ethical Hacking syllabus.
  - BoS Members approved it.
- Kiran Prajapati discussed the syllabus for Game Development and Mathematics & Statistics in Data Science.

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- BoS Members approved the content for both papers.They also suggested separating the papers into two papers for Mathematics & Statistics in Data Science.
- Mahavir Advaya discussed CC & Web Services syllabus.
  - BoS Members approved it.
- Pooja Chettiar discussed Big Data Analytics syllabus.
  - BoS Members approved it.

**RESOLVED THAT:**

- NEP structure of Major and Minor track to be followed for TY 2025-26 is accepted. Necessary and suggested changes in the new structure and in syllabus for FY from 2025 onwards will be incorporated and mailed to the BoS members.
- BoS members suggested that the contents of Python papers can be adjusted. Instead of bringing three papers, keep two papers on python and include data structure topics, numpy, pandas, Django & flask for GUI instead of Tkinter.
- Python was approved as OE by BoS members and all courses with content in minor track approved.

**AGENDA 3**

To discuss OJT-4 credits /swayam-2 credits by college and upskilling courses by department-2 credits.

**DISCUSSED THAT:**

- Aarya Tawde discussed that in Semester 6 , There are 4 credits allotted for OJT OR 2 credits for Swayam course + 2 credits for upskilling courses.
  - BoS members suggested to include DevOps.

**RESOLVED THAT:**

- It is agreed to include DevOps as part of the curriculum.

**AGENDA 4**

To review the feedback of students on the Curricula.

**DISCUSSED THAT:**

- The feedback on curricula from the students included that there should be more emphasis on Practical and Skill-Based Learning, Include advanced topics like AI, Cloud IoT, and Python libraries (NumPy, Pandas), working on live data will be of great experience, non technical papers can be substituted by technical papers to meet industry demands.

**RESOLVED THAT:**

- Based on student feedback, we are upgrading our curriculum which will focus more on practical and skill-based learning, with the inclusion of advanced topics like AI, Cloud IoT, and Python libraries (NumPy, Pandas).

**AGENDA 5**

Any other matter with the permission of the Chair.

**DISCUSSED THAT:**

- Aarya Tawde explained the compulsion of taking OE as python if students want to take Minor as Data Science.

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#### RESOLVED THAT:

- BoS members suggested that Python must be taken as OE for Minor as Data Science,
- If not possible then , it can be offered as a bridge course.

Since there were no other matters to discuss, the meeting was concluded at 12.30 PM with a vote of thanks to the BOS Members & Academic Dean.

MEMBERS OF SUBJECT BOARD IN COMPUTER SCIENCE	
Mrs. Aarya Tawde (Ms. Megha Sawant) Head Dept. of Comp. Sci. & IT Ramnarain Ruia Autonomous College	Present
Dr. Suhasini Vijaykumar, Principal, Bharati Vidyapeeth	Present
Dr. Sushil Kulkarni School of Mathematics & Applied Statistics NMIMS University	Unavailable
Dr. Siby Abraham Professor, Centre of Excellence in Analytics & Data Sciences, NMIMS (Deemed to be) University, Mumbai	Present
Mr. Aditya Paranjpye Solution Architect Integration Practice Lead TCS	Present
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Ms. Priyanka Vaddepalli Dept. of Comp Sci & I.T. Ramnarain Ruia Autonomous College	Present
Ms. Pooja Chettiar Dept. of Comp Sci & I.T. Ramnarain Ruia Autonomous College	Present

*Tawde*  
Mrs. Aarya Tawde (Ms. Megha Sawant)  
Head  
Dept. of Comp. Sci. & IT  
Ramnarain Ruia Autonomous College



*A. S. Kulkarni*  
**Principal**  
Ramnarain Ruia Autonomous College  
Matunga, Mumbai - 400 019.