



# RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

Established by Government of Central Provinces Education Department by Notification No.513 dated the 1<sup>st</sup> of August 1923 & presently a State University governed by M.U. Act 1994

Reaccredited by NAAC 'A' Grade

Mahatma Jyotiba Fule Education Campus, Amravati Road, Nagpur—440 033 (INDIA)

Dr. M. P. Dhore  
Coordinator  
Spoken Tutorial Programme

Date: 15/12/2017

To,  
The Principals of Affiliated Colleges,  
R.T.M. Nagpur University, Nagpur.  
(Lead College for Spoken Tutorial Training)

Dear Sir/Madam,

Rashtrasant Tukadoji Maharaj Nagpur University has partnered with [Spoken Tutorial](#) software training programme, through which IIT Bombay is the Knowledge Partner to provide basic IT and Skill oriented IT/Software training to students for **Free of Cost**.

This program is being implemented since Academic Year 2016- 2017 in our university. For academic session 2017-18, university has taken an active step by **selecting 35 affiliating colleges** as *Lead colleges* to conduct this training. *You will be happy to know that your college is one of them* (See Att. college list). After conducting Software Training through Spoken Tutorial in your college for all the students, your college will be a **role model/training resource center for your region**.

**As a Principal, please take these action steps right away:**

1. **Nominate a Faculty from computer department** as organizer, who should contact **Mr. Rudra Biswas** on **8879248798/[rudrabiswas9@gmail.com](mailto:rudrabiswas9@gmail.com)** by **20<sup>th</sup> December 2017 to understand the process and how to organize the training**.
2. First training session should be conducted in college **before 13th January, 2018**.

**NOTE:** Recommended Spoken Tutorial courses mapped with university syllabus for courses **B.Sc (Comp.Sc)/BCA/B.Sc (IT)/BCCA/ M.Sc Comp.Sc**. has been attached for reference.(See attachment)

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(Coordinator)  
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<b>Syllabus mapping of Nagpur University with Spoken Tutorial Courses: B.Sc Comp. Sci/BCA/B.SC IT/BCCA/ M.Sc Comp. Sci.</b>			
<b>University syllabus/papers</b>	<b>Practical Papers/Labs</b>	<b>Spoken Tutorial courses</b>	<b>Relevance for Theory paper</b>
<b><u>B.Sc. Computer Science</u></b>			
<b><u>B.Sc. Part I semester I</u></b>			
Paper-I :-Programming in C Paper-II :-Fundamentals of Information Technology	Part I Semester I: Programming in C	C	- Introduction to computers
<b><u>B.Sc. Part I Semester II</u></b>			
Paper-I :-Object Oriented Programming using 'C ++' Paper-II :-System Analysis and Design	Part I Semester II: Object Oriented Programming using 'C ++'	C++	
<b><u>B.Sc. Part II Semester III</u></b>			
Paper I :-Data Structures Paper II :-Operating Systems	Part II Semester III: Data Structure (using C++)	Advance C++	- BOSS Linux
<b><u>B.Sc. Part II Semester IV</u></b>			
Paper I :-Java Programming Paper II :-Linux Operating System	Part II Semester IV: Java Programming	Java	- Linux
<b><u>B.Sc. Final Semester V</u></b>			
Paper I :-Visual Basic Programming Paper II :-Database Management System.	B.Sc. Final Semester V: Visual Basic Programming	Netbeans	- MySQL
<b><u>B.Sc. Final Semester VI</u></b>			
Paper I :-Compiler Construction Paper II :-SQL AND PL/SQL	B.Sc. Final Semester VI: SQL AND PL/SQL (Oracle)	MySQL	
<b><u>BCA</u></b>			
<b><u>B.C.A. Part I (Semester I)</u></b>			
Paper-I Computer Fundamental Paper-II "C" Programming Paper-III Statistical Methods Paper-IV Discrete Mathematics –I Paper-V Operating Systems Paper-VI Office Automation	Practical I–based on paper I & paper II  Practical II–based on paper III & paper IV  Practical III–based on paper V & paper VI	C  - Linux	
<b><u>B.C.A. Part I(Semester II)</u></b>			
Paper-I Programming In 'C++' Paper-II System Analysis And Design Paper-III Numerical Methods Paper-IV Discrete Mathematics –II Paper-V Linux Operating System Paper-VI E Commerce	Practical I–based on paper I & paper II  Practical II–based on paper III & paper IV  Practical III–based on paper V & paper VI	C++  - Linux	

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<p><b><u>B.C.A. Part II (Semester III)</u></b>            Paper-I Visual Basic Programming            Paper-II Data Base Management System            Paper-III Data Structures            Paper-IV Operations Research –I            Paper-V Web Technology -I            Paper-VI Digital Electronics–I</p>	<p>Practical I–based on paper I &amp; paper II             Practical II–based on paper III &amp; paper IV             Practical III–based on paper V &amp; paper VI</p>	<p>MySQL/Netbeans (For VBP)  -  -</p>	
<p><b><u>B.C.A. Part II (Semester IV)</u></b>            Paper-I software Engineering-I            Paper-II Sql And Pl/Sql            Paper-III Theory Of Computation            Paper-IV Operations Research -II            Paper-V Web Technology -II            Paper-VI Digital Electronics –II</p>	<p>Practical I–based on paper I &amp; paper II             Practical II–based on paper III &amp; paper IV             Practical III–based on paper V &amp; paper VI</p>	<p>MySQL  -  -</p>	
<p><b><u>B.C.A. Final (Semester V)</u></b>            Paper-I Computer Graphics -I            Paper-II Compiler Construction            Paper-III VB.Net            Paper-IV Software Engineering -I            Paper-V PHP-I            Paper-VI Data Communication And Network -I</p>	<p>Practical I–based on paper I &amp; paper II             Practical II–based on paper III &amp; paper IV             Practical III–based on paper V &amp; paper VI</p>	<p>Q-CAD  -  PHP</p>	
<p><b><u>B.C.A. Final (Semester VI)</u></b>            Paper-I Computer Graphics -II            Paper-II Programming In Java            Paper-III ASP.Net            Paper-IV Software TestinG            Paper-V PHP-II            Paper-VI Data Communication And Network -II</p>	<p>Practical I–based on paper I &amp; paper II             Practical II–based on paper III &amp; paper IV             Practical III–based on paper V &amp; paper VI</p>	<p>Blender Java -  PHP</p>	
<b><u>B.SC IT</u></b>			
<p><b><u>B.Sc. (IT) Part I (Semester I)</u></b>            Paper-I Fundamentals of Information Technology            Paper-II Programming Methodology in C            Paper-III System Analysis And Design            Paper-IV Web Technologies            Paper-V Multimedia Application Development            Paper-VI Applied Mathematics-I</p>	<p>Practical I –based on paper I &amp; paper II             Practical II –based on paper III &amp; paper IV             Practical III –based on paper V &amp; paper VI</p>	<p>C  -  Blender/GIMP</p>	<p>Introduction to computers C - -</p>
<p><b><u>B.Sc. (IT) Part I (Semester II)</u></b>            Paper-I Fundamentals of Digital Electronics            Paper-II Object Oriented Programming using ‘C++’            Paper-III Operating Systems            Paper-IV Web Programming            Paper-V Database Management System            Paper-VI Applied Mathematics-II</p>	<p>Practical I –based on paper I &amp; paper II             Practical II –based on paper III &amp; paper IV             Practical III –based on paper V &amp; paper VI</p>	<p>C++  BOSS Linux/PHP  MySQL</p>	

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<p><b><u>B.Sc. (IT) Part II (Semester III)</u></b>            Paper-I Microprocessor &amp; ALP            Paper-II Data Structures            Paper-III Data Communication &amp; Network-I            Paper-IV Linux Operating System            Paper-V E-Commerce            Paper-VI Statistical Methods</p>	<p>Practical I –based on paper I &amp; paper II             Practical II –based on paper III &amp; paper IV             Practical III –based on paper V &amp; paper VI</p>	<p>-   <b>Linux &amp; Ubuntu</b>             -</p>	
<p><b><u>B.Sc. (IT) Part II (Semester IV)</u></b>            Paper-I Software Engineering            Paper-II Java Programming            Paper-III Data Communication &amp; Network -II            Paper-IV Oracle            Paper-V Compiler Construction            Paper-VI Numerical Method</p>	<p>Practical I –based on paper I &amp; paper II             Practical II –based on paper III &amp; paper IV             Practical III –based on paper V &amp; paper VI</p>	<p><b>JAVA</b>   <b>SQL</b>             -</p>	
<p><b><u>B.Sc. (IT) Final (Semester V)</u></b>            Paper-I Software Project Management            Paper-II Dot Net Framework and C#            Paper-III Network Security            Paper-IV Data Warehousing            Paper-V VB Programming            Paper-VI Graph Theory</p>	<p>Practical I –based on paper I &amp; paper II             Practical II –based on paper III &amp; paper IV             Practical III –based on paper V &amp; paper VI</p>	<p><b>PHP</b>             -   <b>Netbeans</b></p>	
<p><b><u>B.Sc. (IT) Final (Semester VI)</u></b>            Paper-I Enterprise Resource Planning            Paper-II Advanced Java Programming            Paper-III Cloud Computing            Paper-IV Data Mining            Paper-V Animation Techniques            Paper-VI Operation Research</p>	<p>Practical I –based on paper I &amp; paper II             Practical II –based on paper III &amp; paper IV             Practical III –based on paper V &amp; paper VI</p>	<p><b>Java</b>             -   <b>Blender</b></p>	
<b>B.Com (Computer Application) (BCCA)</b>			
<p><b><u>B.Com. (Computer Application) (BCCA) Part-I</u></b>            -English &amp; Business Communication            -Principles of Business Management            -Financial Accounting            -Information Systems            -Information Technology            -Introduction to Operating Systems</p>	<p>Practical-I : Microsoft Office             Practical-II : Operating System</p>	<p><b>LibreOffice (Equivalent to MS-Office)</b>   <b>Linux &amp; Ubuntu/BOSSLinux</b></p>	<p>- - - <b>Introduction to Computers</b> <b>LibreOffice Suite</b> <b>BOSS Linux</b></p>
<p><b><u>B.Com. (Computer Application) Part-II</u></b>            -Statistics &amp; Quantitative Techniques            -Business Economics            -Cost &amp; Management Accounting            -Programming Skills (C Prog.)            -E-Commerce &amp; Web Designing            -MIS &amp; System Analysis</p>	<p>Practical-I : Programming Skills             Practical-II : HTML</p>	<p><b>C</b>             -</p>	<p>- - - <b>C</b> <b>PHP</b> -</p>
<p><b><u>B.Com. (Computer Application) Part-III</u></b>            -Business Law            -Computerized Accounting (TALLY)            -Software Product and Project Management.            -Front End Development            -DBMS and Oracle</p>	<p>Practical-I : Tally             Practical-II : VB &amp; Oracle</p>	<p>-   <b>Netbeans(For VB)</b></p>	

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<b>M.Sc. Computer Science</b>			
Semester I Core2-Paper 2: Programming in Java	Practical 1	Java	
Semester II Core 8-Paper 8: Computer Graphics	Practical 4	Blender	
Semester III Paper 11:CE1-2 Multimedia Technologies	Practical 6	GIMP	

1. Annasaheb Gundewar Mahavidyalaya [EN98153] Katol Road, Chhaoni Nagpur Nagpur City – 440013
2. Arts, Commerce And Science College, Arvi [EW91860] Arvi Wardha Arvi – 442201
3. Atlanta College [EN31598] Karachi Lane, Residency Road, Sadar Nagpur Nagpur City – 440001
4. Avtar Meherbaba College [EN50238] Shrinagar No. 2, 143-144, Manewada Road Nagpur Nagpur City – 440024
5. Bhalariao Science College [EN41632] Saoner Nagpur Saoner – 441107
6. Bhawbhuti Mahavidyalay [EG29831] Deori Road Gondia Amgaon – 441902
7. City Premier College [EN93815] Near Chandramani Bhawan, Hindustan Colony, Samarth Nagar, Wardha Road Nagpur Nagpur City – 440015
8. Dhanwate National College [EN73605] Hump Yard Road, Opp Ajni Railway Station, Congress Nagar Nagpur Nagpur City - 440012
9. Dharampeth M.P. Deo Memorial Science College [EN63750] North Ambazari Road, Near Ambazari Garden Nagpur Nagpur City - 440033
10. Dhote Bandhu Science College [EG23605] Kudwa Road Gondia Gondia – 441614
11. Dr. Ambedkar College [EN19546] Deeksha Bhoomi, Nagpur Nagpur City – 440010
12. G.H. Raisoni Institute Of Information Technology , Nagpur [EN85673] B-37, MIDC, Shraddha Park, Hingna Wadi Link Road Nagpur Hingna
13. Government Institute of Forensic Science [EN53426] Institute of Science Campus, R.T. Road, Civil Lines Nagpur Nagpur City – 440001
14. Govindrao Seksariya Waniya Mahavidyalay [EW45687] Jamnalal Bajaj Marg, Civil Line Wardha Wardha – 442001
15. Govt. Institute of Science [EN10002] R.T. Road, Civil Line Nagpur Nagpur City - 440001
16. Hislop College, Ngp [EN98547] Temple Road, Civil Lines Nagpur Nagpur City – 440001
17. J. M. Patel College of Arts, Commerce and Science [EB92587] Rajgopalachari Ward Bhandara Bhandara – 441904
18. Jankidevi Bajaj Science College [EW81370] Jamnalal Bajaj Marg, Civil Line Wardha Wardha – 442001
19. Jawaharlal Nehru Arts, Commerce And Science College, Wadi [EN17482] Charde Layout, Amravati Road, Wadi Nagpur Nagpur City – 440023
20. Kamla Nehru Mahavidyalaya [EN46597] Sakkardara Chowk Nagpur Nagpur City – 440024
21. Late Dr. Haribhau Aadmane Arts And Commerce College [EN87943] Saoner Nagpur Saoner – 441107
22. Manoharbhai Patel College Of Arts, Commerce and Science, Sakoli [EB05837] Sakoli Bhandara Sakoli – 441802
23. Mathuradas Mohota Science College, Nagpur [EN68751] Umrer Road, Sakkardara Chowk Nagpur Nagpur City – 440009
24. Nabira Mahavidyalaya [EN13670] Dhantoli Nagpur Katol – 441302
25. New Arts, Commerce & Science College [EW10829] Bachelor Road Wardha Wardha – 442001
26. Purna College of Commerce [EN51062] Reshimbag Square Nagpur Nagpur City – 440009
27. R.S. Bidkar Arts, Commerce and Science College [EW59016] Hinganghat Wardha Hinganghat – 442301
28. R.S. Mundle Dharampeth Arts And Commerce College [EN51762] North Ambazari Road, Dharampeth Nagpur Nagpur City - 440010
29. Santaji Mahavidyalaya [EN08976] Jawaharlal Nehru Marg, Wardha Road Nagpur-440015 Nagpur Nagpur City – 440015
30. Seth Kesrimal Porwal Kala, Waniya V Vidnyan Mahavidyalay [EN74689] Juni chawni,Kamptee Nagpur Nagpur Rural – 441001
31. Shri. Binzani City College [EN16543] Near Sakkardara Overbridge, Umrer Road Nagpur Nagpur City – 440024
32. Shri. Shivaji Science College [EN46902] Congress Nagar, Nagpur Nagpur Nagpur City – 440012
33. St. Francis De Sales College [EN65819] Seminary Hills Nagpur Nagpur City – 440006
34. Taywade College, Koradi [EN32584] At Koradi, Post K.T.P.S. Colony Nagpur Kamptee – 441111
35. VMV Commerce JMT Arts & JJP Science College [EN34160] Wardhaman Nagar, Central Avenue Nagpur Nagpur City - 440008