

# Malla Reddy Engineering College

(AUTONOMOUS)

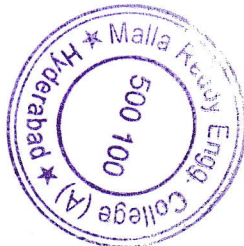
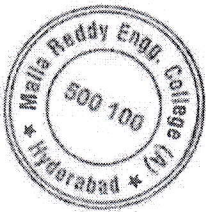
(An UGC Autonomous Institution Approved by AICTE and Affiliated to JNTU Hyderabad. Accredited by NAAC with 'A' Grade (II - Cycle))

## ORDER

Date: 15.06.2018

The UG - B.Tech.(IT) Board of Studies for the Academic Years 2018-19 to 2020-21 have been reconstituted as per the UGC guidelines with the following members.

S. No.	Name of the Member	Designation & Official Address	Subject Specialization	Contact No.	E-mail	Category
1	Dr. S. Sudhakara Reddy	Principal, MREC (A)	M E	9348161125	principal@mrec.ac.in	Special Invitee
2	Dr. T. Prabakaran	Assoc. Prof. & Head	CSE	8220368184	prabaakar.t@gmail.com	Chairman
3	Dr. V. Kamakshi Prasad	Professor, Dept. of CSE & Director Evaluation, JNTUH, Hyderabad.	CSE	9392472216	kamakshiprasad@jntuh.ac.in	University Nominee
4	Dr. C. Krishna Mohan	Associate Professor, Dept. of CSE, IIT- Hyderabad	CSE	9491712312	ckm@iith.ac.in	Subject Expert
5	Dr. S. Phani Kumar	Head, Dept of CSE, School of Technology, GITAM	CSE	9618205719	phanikumar.s@gmail.com	Subject Expert
6	Mr. B. Mohan Rao	Senior Consultant, Cap Gemini Technology, Gachibowli, Hyd.	CSE	8897743270	mmrao19@gmail.com	Industry Expert
7	Dr. S. Dhanalakshmi	Professor	CSE	9489324071	rajamdhana@gmail.com	Member
8	Ms. GVV Sitamaha Lakshmi	Assistant Professor	IT	7207586409	sitamahalakshmi.grandhi@gmail.com	Member
9	Mr. G. Sathish	Assistant Professor	IT	8143834798	gsatti.kumar@gmail.com	Member
10	Ms K Yogitha Lakshmi	Assistant Professor	IT	9704172446	yogitha.kondapalli@gmail.com	Member
11	Ms. Kasturi Santhoshi Latha	Business Analyst - Bigwig Technologies Pvt Limited	IT	7893292014	kasturi.santhoshi@gmail.com	Alumni (R07 Batch)



*Kanesh*  
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# MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Information Technology

## Minutes of the meeting - UG - B.Tech.(IT) Board of Studies

July 1<sup>st</sup>, 2019

The Board of studies meeting for the UG – B.Tech.(IT) - BOS is conducted on 01-07-2019 at 10:30 AM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

1	Dr. S. Kannan	Assoc. Prof. & HOD	Chairman-BOS
2	Dr. V. Kamakshi Prasad	Professor, CSE Dept., JNTUH, Hyd.	University Nominee
3	Dr. S. Phani Kumar	Prof. CSE Dept. GITAM, Hyd.	Subject Expert
4	Mr. B. Mohan Rao	Senior Consultant, Cap Gemini Technology, Hyd	Industry Expert
5	Dr. S. Dhanalakshmi	Prof. CSE Dept.	Faculty Member
6	Ms. T. Swapna	Asst. Prof. IT. Dept.	Faculty Member
7	Mr. G. Sathish	Asst. Prof. IT. Dept.	Faculty Member
8	Mr K .Saidireddy	Asst. Prof. IT. Dept.	Faculty Member

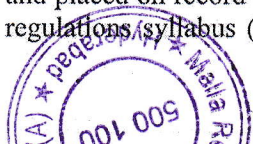
The following members not attended the meeting due to their preoccupation.

1	Dr. C. Krishna Mohan	Assoc. Prof. CSE Dept., IIT, Hyd.	Subject Expert
2	Ms. Kasturi Santhoshi Latha	Business Analyst – Bigwig Technologies Pvt Limited	Alumni

The following is the agenda for the meeting.

1. Action Taken Report (ATR) on previous BoS Meeting (6<sup>th</sup>) in A.Y 2018-19 held on 29<sup>th</sup> June, 2018.
2. Discussion and review of B. Tech (IT) MR18 regulations course schema and syllabus.
3. Suggestion and review of panel for Paper setters, Valuers and examiners for both theory and practical examinations that will be submit for Academic council for approval.
4. Suggest methodologies for innovative teaching and evaluation techniques.
5. Suggestion of any activity related to research, teaching, extension and other academic activities in the department/college.
6. Approval of list of software for MR18 regulation

At the outset, Dr. S. Kannan, HOD and Chairman of the IT (UG) - Board of Studies, welcomed the members to the BOS meeting and informed the purpose of the meeting. He also briefed about the previous BOS meeting resolutions and placed on record the existing syllabus of MR18 regulations and also proposed modifications for MR18 regulations (Batches admitting from 2018-19 onwards). Later Board of



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studies Members have in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS.

**The following resolutions are approved after careful discussion and observations.**

1. The BOS Members have thoroughly reviewed and discussed the MR18 Schema of instructions, periods per week, and number of credits for all 4 years of B.Tech. Information Technology Course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively resolved to implement this scheme of Instructions, periods per week and number of credits for all 4 years of B.Tech. Information Technology Course from the next academic regulations whenever implementing.
2. The BOS has reviewed and discussed the syllabus of MR18 regulations for B.Tech. Information Technology Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
3. The BOS members have agreed to suggest a revised list of panel for paper setters and Evaluators /examiners for both theory and practical of all the subjects of Batch.(IT) Course.
4. The BOS has also resolved for delegation of power to the Chairman of BOS for inclusion/exclusion/modification of any of the above item as per the requirements after the consultation with the internal committee and the same will be informed to others by email.
5. The BOS Members approved the following revised Open Source Softwares for MR17 Regulations courses (Batches admitted during the AY 2017-18).

S. NO	LAB NAME	SOFTWARE REQUIRED
1	Computer Programming lab	Turbo C
2	Data Structures Lab	Turbo C
3	Operating Systems internals Lab	Ubuntu, JDK/Turbo C++
4	Java Programming Lab	Java
5	Database Management Systems Lab	MySql
6	Advanced Java Programming Lab	Java
7	R Programming Lab	Weka
8	Mobile Computing Lab	J2ME/ Android Development toolkit
9	Web Technologies Lab	JDK, BDk and Tomcat Server
10	Computer Networks and Security Lab	Turbo C / JDK
11	Python Programming Lab	Python
12	Software Testing Methodologies Lab	Turbo C
13	Data Mining Lab	WEKA TOOL



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 Dhulavally.

6. The BOS Members approved the following revised Open Source Softwares for MR18 Regulations courses (Batches admitted from the AY 2018-19 onwards).

S. No	LAB NAME	SOFTWARE REQUIRED
1	Programming for Problem Solving Lab	C with Ubuntu
2	Data Structures Lab	C with Ubuntu
3	Big Data Analytics Lab	R
4	Java Programming Lab	Java
5	Database Management Systems Lab	MySql
6	Operating Systems Lab	JDK
7	Computer Networks Lab	JDK
8	Compiler Design Lab	C
9	Software Engineering & UML Lab	Star UML
10	Web Technologies Lab	JDK, BDk, Apache Tomcat, MySql
11	Linux Programming Lab	Ubuntu OS
12	Data Warehousing and Data Mining Lab	Weka
13	Python Programming Lab, Machine Learning Lab	Python
14	Data Mining Lab	Weka Tool
15	IT Workshop	Ubuntu OS, MS-Office, Latex
16	Cryptography and Network Security Lab	JDK
17	Android Application development Lab	Android studio

7. The BOS members have approved a revised panel for paper setters and Evaluators /examiners for both theory and practical of all the subjects of 4 year B.Tech.(IT) Courses for the corresponding regulations.
8. The BOS members have approved various methodologies for innovative teaching and evaluation techniques.
9. The BOS members have approved various activities related to research, teaching, extension and other academic activities in the department/college.
10. If any item needs to be modified /added/ deleted, the same may be circulated by E-mail to all members and after taking electronic/E-mail approval the modification may be made operational.

The following suggestions were made by the members of the Board of studies.

- Instead of randomly selecting the subjects, the tracks / buckets can be formed regarding the Professional Elective Categories.
- Probability and Statistics & Discrete Mathematics courses should not be in the same semester.



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- Android Application Development Course may be replaced with AWS, Agile Modeling / Agile Processing, DevOps courses.
- The VIII Semester courses may be compensated through Credit transfer options by MOOC, so that the students will get more exposure through Internships and Project oriented activities, which enhances employability.
- Theory and concern laboratories distribution of Credits has to be done evenly throughout the Course.
- Continuity in the Professional Elective Categories should be maintained.
- Based on the necessity, the laboratory courses may be integrated with the Core and Elective Courses.
- MOOC should be awarded with substantial credits.
- Activities related to Research, Teaching, Extension and other Academic activities should be elaborated separately in detail.
- Generic / Basic / Superficial subjects are suggested to incorporate in Open Electives.
- Open Elective (to other departments) will be offered based on the availability of Course Instructor.
- Tangible outputs to be measured regarding the Learning Methodologies.
- Attainment of Course Outcome and Programme Outcome may be presented during the forthcoming meeting.
- In the suggested OEs, the Genetic Algorithm can be replaced with Evolutionary Algorithms.
- In the suggested list of OEs, Network Security, Database Security and Middleware Technologies are not suggested.

Finally, Dr. S. Kannan, Chairman – IT(UG) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 4:30 PM.



**Dr. S. Kannan**  
Chairman, IT(UG) - BOS

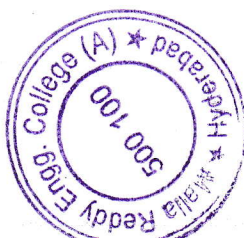
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KJ

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T. Suresh



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**(Autonomous)**  
**Maisammaguda, Dhulapally,**  
**Hyderabad-500 100.**



# Malla Reddy Engineering College (AUTONOMOUS)

(An Autonomous Institution approved by UGC and affiliated to JNTUH Hyderabad Accredited by NAAC with 'A' Grade,  
Accredited by NBA of AICTE & Recipient of World Bank Assistance under TEQIP Phase - II, S.C 1.1)

**Dr. S. Sudhakara Reddy**

M.Tech., M.B.A., Ph.D., LIMISTE., F.I.E., M.I.S.M.E

Principal

Lr. No: MREC (A)/BOS-CSE/IT/UG/2018-19/Invitation/07

26-06-2018

To

Ms. Kasturi Santhoshi Latha  
Business Analyst,  
Bigwig Technologies Pvt Limited,  
Gachibowli, Hyd.

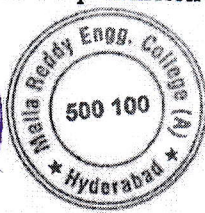
Dear Sir,

Sub: Meeting of the Board of Studies for CSE & IT depts. for the Academic Year 2018-19: Reg.

It is pleasure to invite you for the meeting of the Board of Studies for the Computer Science and Engineering & Information Technology departments for the academic year 2018-19. It is scheduled at 1 P.M. on 29<sup>th</sup> June, 2018 in the conference hall, Malla Reddy Engineering College (Autonomous). We request you to make it convenient to conduct the meeting.

## AGENDA:

1. Discussion and approval of the scheme and Syllabus of B. Tech.(CST and IT Courses) and M.Tech.(CSE Course) for MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards).
2. Discussion and approval of the syllabus for offering subjects and Open Electives to other Departments.
  - Programming for Problem Solving (CE, EEE, ME, ECE, CSE, IT and Mi.E)
  - Programming for Problem Solving Lab (CE, EEE, ME, ECE, CSE IT and Mi.E)
  - Data Structures (EEE, ECE, CSE and IT)
  - Data Structures Lab (EEE, ECE, CSE and IT)
  - Operating Systems (ECE, CSE and IT)
  - Machine Learning (ECE, CSE and IT)
  - OOPs through Java (EEE, ECE and CSE)
  - Computer Organization & Operating System (EEE)
3. Suggestion and approval of Open Source Softwares for suitable lab experiments.
4. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
5. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
6. Approval of any other item with the permission of the Chairman.



*S. Sudhakara Reddy*  
Principal  
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# MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Information Technology

## Minutes of the meeting - UG - B.Tech.(IT) Board of Studies

June 29<sup>th</sup>, 2018

The 5<sup>th</sup> Board of studies meeting for the UG – B.Tech.(IT) - BOS is conducted on 29-06-2018 at 1:00 PM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

1. Dr. S. Sudhakara Reddy	Principal, MREC(A)	Special Invitee
2. Dr. T. Prabakaran	Assoc. Prof. & HOD., Dept. of CSE	Chairman- BOS
3. Dr. V. Kamakshi Prasad	Professor, Dept. of CSE & Director Evaluation, JNTUH, Hyderabad.	University Nominee
4. Dr. C. Krishna Mohan	Assoc. Prof., Dept. of CSE, IIT- Hyderabad.	Subject Expert
5. Dr. S. Phani Kumar	Head, Dept of CSE, School of Technology, GITAM	Subject Expert
6. Mr. B. Mohan Rao	Senior Consultant, Cap Gemini Technology, Gachibowli, Hyderabad.	Industry Expert
7. Dr. S. Dhanalakshmi	Professor, Dept. of CSE	Member
8. Ms. GVV Sitamaha Lakshmi	Asst. Prof., Dept. of CSE.	Member
9. Mr. G. Sathish	Asst. Prof., Dept. of CSE	Member
10. Ms K Yogitha Lakshmi	Asst. Prof., Dept. of CSE	Member
11. Ms. Kasturi Santhoshi Latha	Business Analyst, Bigwig Technologies Pvt Limited Gachibowli, Hyderabad.	Alumni

The following is the agenda for the meeting.

1. Discussion and approval of the scheme and Syllabus of B. Tech.(IT) programme of MR18 Regulations (for Batches admitting from Academic Year 2018-19 onwards).
2. Discussion and approval of the syllabus for offering subjects and Open Electives to other Departments.
  - Machine Learning (ECE, CSE and IT)
  - Computer Organization & Operating System (EEE)
3. Suggestion and approval of Open Source Software's for suitable lab experiments.
4. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
5. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.



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6. Approval of any other item with the permission of the Chairman.

At the outset, Dr. T. Prabakaran, Assoc. Prof. & HOD and Chairman of the IT (UG) - Board of Studies, welcomed the members to the BOS meeting and informed the purpose of the meeting. He also briefed about the previous BOS meeting resolutions and placed on record the existing syllabus of MR17 regulations and also proposed modifications for MR18 regulations syllabus (Batches admitting from 2018-19 onwards). Later Board of studies Members has in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS to implement from the academic year 2018-19 and onwards.

**The following resolutions are approved after careful discussion and observations.**

1. The BOS Members have thoroughly reviewed and discussed the Scheme of instructions, periods per week, and number of credits for all 4 years of B.Tech. (IT) Course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively approved and resolved to implement this scheme of Instructions, periods per week and number of credits for all 4 years of B.Tech. (IT) Courses from the academic year 2018-19 onwards. The devised scheme of instructions and other items have been given in Annexure-I.
2. After formulation of scheme of Instructions, the BOS has reviewed and devised the syllabus for B.Tech. (IT) Course and approved as per the guide lines of the UGC, AICTE and JNTUH, Hyderabad.
3. The BOS has discussed and framed the syllabus of the B.Tech. subjects offered to the other Engineering branches namely B.Tech.(ECE), B.Tech.(EEE) as per the guide lines of the UGC, AICTE & JNTUH, Hyderabad and approved & resolved to implement from the academic year 2018-19 onwards.
4. The BOS Members unanimously approved to use the following Open Source softwares for execution of programmes in the respective laboratories.

S. No	Lab Name	Software Required
1	Programming for Problem Solving Lab	C with Ubuntu
2	Data Structures Lab	C with Ubuntu
3	Big Data Analytics Lab	R
4	Java Programming Lab	JSDK – Java
5	Data Base Management Systems Lab	MySQL
6	Operating Systems Lab	C with Ubuntu
7	Computer Networks Lab	C with Ubuntu / Java
8	Compiler Design Lab	C with Ubuntu
9	Software Engineering & UML Lab	Star UML
10	Web Technologies Lab	JDSK, Apache Tomcat, MySQL
11	Linux Programming Lab	Ubuntu OS



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**Engineering College**



12	Data warehousing and Data Mining Lab	Weka
13	Python Programming Lab, Machine Learning Lab	Python
14	Data Mining Lab	R

- The BOS members have agreed to suggest a panel for paper setters and valuers /examiners for both theory and practical of all the subjects of B.Tech.(IT) Course.
- If any item need to be modified /added/ deleted, the same may be circulated by E-mail to all members and after taking electronic/E-mail approval the modification may be made operational.

**The following approvals were made by the members of the Board of studies.**

- Committee's approved
  - implementing B.Tech(IT) Schema with 160 credits for MR18 Regulations.
  - to add **Software Engineering & UML lab**
  - to include **Bigdata Analytics subject and Bigdata Analytics using R programming Lab**
  - to include **Image Processing** in place of Pattern Recognition.

**The following suggestions were made by the members of the Board of studies.**

- Quantum computing concepts is to be included in Physics
- Remove Pattern Recognition from elective.
- suggested to introduce the Solid Principles in OOAD.
- Rename the subject Chemistry as Engineering Chemistry

Finally, Dr. T. Prabakaran, Chairman – IT(UG) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 5:30 PM.

*T. Prabakaran*  
29/6/18  
Dr. T. Prabakaran

**Chairman, IT(UG) - BOS**

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29/6/18

*P. Anand R*  
29/06/18

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29/6/18

G. Maha Lakshmi  
29/6/18

K. Yogitha  
29/6/18

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**Malla Reddy Engineering College (Autonomous)**  
**Department of Information Technology (IT)**

Approved Course Structure for UG-B.Tech.(Information Technology) Programme.

After careful and detailed discussions, the following UG - B.Tech (Information Technology) 4 years programme under MR18 Regulations (for the batches admitting from Academic Year 2018-19 onwards) - Course structure and syllabus has been approved by the BoS members.

**I YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	BSC	Mathematics - I	3	1	-	4
2	BSC	Applied Physics	3	1	-	4
3	ESC	Programming for Problem Solving	3	-	-	3
4	HSMC	English	3	-	-	3
5	BSC	Engineering Physics Lab	-	-	2	1
6	HSMC	English Language Lab	-	-	2	1
7	ESC	Programming for Problem Solving Lab	-	-	2	1
8	ESC	Engineering Workshop	-	-	2	1
9	MC	Induction Programme	-	-	-	-
<b>Total Credits</b>			<b>13</b>	<b>2</b>	<b>8</b>	<b>18</b>

**I YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	BSC	Mathematics - II	3	1	-	4
2	BSC	Applied Chemistry	3	-	-	3
3	ESC	Data Structures	3	1	-	4
4	ESC	Basic Electrical and Electronics Engineering	3	-	-	3
5	ESC	Engineering Graphics and Design	1	-	4	3
6	BSC	Applied Chemistry Lab	-	-	2	1
7	ESC	Basic Electrical and Electronics Engineering Lab	-	-	2	1
8	ESC	Data Structures Lab	-	-	2	1
9	AC	NSS/SPORTS/YOGA	-	-	-	-
<b>Total Credits</b>			<b>13</b>	<b>2</b>	<b>10</b>	<b>20</b>

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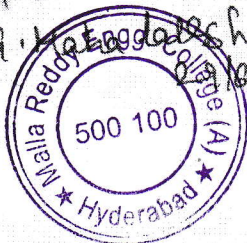
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**(Hyderabad), Sec'bad-500 100.**

**II YEAR I SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	PCC	Discrete Mathematics	3	-	-	3
2	PCC	Probability and Statistics	3	-	-	3
3	PCC	Computer Organization	3	-	-	3
4	PCC	Operating System	3	-	-	3
5	PCC	Java Programming	3	-	-	3
6	PCC	IT Workshop	-	-	2	1
7	PCC	Operating System Lab	-	1	2	2
8	PCC	Java Programming Lab	-	1	2	2
9	AC	Internship - I	-	-	-	-
<b>TOTAL</b>			<b>15</b>	<b>2</b>	<b>6</b>	<b>20</b>

**II YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	credits
1	HSMC	Engineering Economics and Accountancy	3	-	-	3
2	PCC	Computer Networks	3	-	-	3
3	PCC	Database Management Systems	3	-	-	3
4	PCC	Web Technologies	3	-	-	3
<b>Professional Elective-I</b>						
5	PEC-I	Cloud Computing	3	-	-	3
		Neural Networks				
		Computer Graphics				
6	PCC	Computer Networks Lab	-	1	2	2
7	PCC	Database Management Systems Lab	-	1	2	2
8	PCC	Web Technologies Lab	-	1	2	2
9	MC	Environmental Science	-	-	-	-
<b>Total Credits</b>			<b>15</b>	<b>3</b>	<b>6</b>	<b>21</b>

*Urmila*  
29/6/18

*S. Phani Kumar*  
29/06/18

*B. Manoj Reddy*  
29/06/18

*Prasanna*  
29/6/18

*G. Maha Lakshmi*  
29/6/18

*S. Anitha* *K. Yogitha*  
29/6/18

*T. Prathy*  
29/6/18



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III YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	credits
1	PCC	Automata and Compiler Design	3	-	-	3
2	PCC	Android Application Development	3	-	-	3
3	PCC	Python Programming	3	-	-	3
4	PCC	Cryptography and Network Security	3	-	-	3
<b>Professional Elective -II</b>						
5	PEC	Advanced Databases	3	-	-	3
		Artificial Intelligence				
		Animation Techniques				
6	PCC	Cryptography and Network Security Lab	-	1	2	2
7	PCC	Android Application Development lab	-	-	3	1.5
8	PCC	Python Programming Lab	-	-	3	1.5
9	AC	Internship - II	-	-	-	-
<b>Total Credits</b>			<b>15</b>	<b>1</b>	<b>8</b>	<b>20</b>

III YEAR II SEMESTER

S. No.	Course Code	Course Title	L	T	P	credits
1	PCC	Machine Learning	3	1	-	4
2	PCC	Information Security	3	-	-	3
<b>Professional Elective -III</b>						
3	PEC	Distributed Systems	3	-	-	3
		Image Processing				
		Software Engineering				
<b>Professional Elective -IV</b>						
4	PEC	Big Data Analysis <i>Analytics</i>	3	-	-	3
		Object Oriented Analysis and Design				
		Advanced Computer Architecture				
5	OEC-I	Open Elective-I	3	-	-	3
6	HSMC	English Communication and Presentation Skills Lab	-	-	2	1
7	PCC	Machine Learning Lab	-	1	2	2
8	PCC	Professional Elective -IV Lab	-	1	2	2
9	AC	Essence of Indian traditional knowledge	2	-	-	0
<b>Total Credits</b>			<b>17</b>	<b>3</b>	<b>6</b>	<b>21</b>

*U...* 29/6/18  
*G. Maha Lakshmi* 29/6/18  
*S. Phani* 29/6/18  
*K. Vasudha* 29/6/18  
*T. Prathy* 29/6/18  
*B. N. S...* 29/6/18



Malla Reddy Engineering College  
 (Autonomous)  
 M. S. Ramana Murthy Nagar, Dhulapally,  
 Hyderabad - 500 100.

IV YEAR I SEMESTER

S.No.	Course Code	Course Title	L	T	P	credits
1	HSMC	Management fundamentals	3	-	-	3
2	PCC	Data Mining	3	-	-	3
3	PCC	Internet of Things	3	-	-	3
4	OEC	Open Elective-II	3	-	-	3
5	PCC	Data Mining Lab	-	1	2	2
6	PCC	Internet of Things Lab	-	1	2	2
7	PROJ	Internship - III/Mini project	-	-	4	2
8	PROJ	Project Stage I	-	-	4	2
9	MC	Professional Ethics & Law	-	-	-	-
<b>Total Credits</b>			<b>12</b>	<b>2</b>	<b>12</b>	<b>20</b>

IV YEAR II SEMESTER

S. No.	Course Code	Course Title	L	T	P	credits
<b>Professional Elective -V</b>						
1	PEC	Natural Language Processing	3	-	-	3
		Software Testing Methodologies				
		Mobile Computing				
<b>Professional Elective -VI</b>						
2	PEC	Cyber Security	3	-	-	3
		Semantic Web				
		Software Process and Project Management				
3	OEC	Open Elective-III	3	-	-	3
4	PROJ	Seminar	-	-	2	1
5	PROJ	Project Stage II	-	-	20	10
<b>Total Credits</b>			<b>9</b>	<b>-</b>	<b>22</b>	<b>20</b>

**Open Elective (I)**

1. Database Management Systems
2. Java Programming
3. Cloud computing

**Open Elective (III)**

1. Machine Learning
2. Mobile Application Development
3. Internet of Things

**Open Elective (II)**

1. Artificial Intelligence
2. Python Programming
3. Scripting Languages



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- Keerthi 29/6/18
- 13. nwan 29/06/18
- G. Mala Lal 29/6/18
- K. Yashwanth 29/6/18
- S. R. 29/6/18
- T. Ravi 29/6/18
- 99 29/6/18

Principal  
 Maisammaguda Engineering College  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100.

**MALLA REDDY ENGINEERING COLLEGE (Autonomous)**  
Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.  
Department of Information Technology

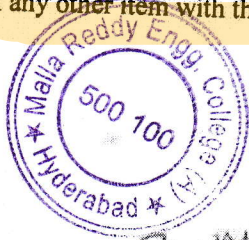
Date: 29-06-2018

**Board of Studies Meeting on 29.06.2018 at 1.00 PM**

The 5<sup>th</sup> UG - B.Tech.(IT) Board of Studies meeting was held on 29-06-2018 at 1.00 PM in the conference hall of Malla Reddy Engineering College (Autonomous). The following is the Agenda of the meeting.

**AGENDA**

1. Discussion and approval of the scheme and Syllabus of B. Tech.(IT) programme of MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards).
2. Discussion and approval of the syllabus for offering subjects and Open Electives to other Departments.
  - Machine Learning (ECE, CSE and IT)
  - Computer Organization & Operating System (EEE)
3. Suggestion and approval of Open Source Software's for suitable lab experiments.
4. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
5. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
6. Approval of any other item with the permission of the Chairman.



*T. Prathy*  
Chairman 29/6/18

UG - B.Tech.(IT) Board of Studies

*C. Krishna Kumar*

*B. Naren R*

*Santh*

*S. Pradeep*

*Devar*  
29/6/18

*G. Mahalingam*  
29/6/18

*K. Yogesha*  
29/6/18

*G. Maha Laleshi*  
29/6/18

**PRINCIPAL**  
**Malla Reddy Engineering College**  
**(Autonomous)**  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100.

# MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Information Technology

## Minutes of the meeting - UG - B.Tech.(IT) Board of Studies

Dec 8<sup>th</sup>, 2018

The 7<sup>th</sup> Board of studies meeting for the UG – B.Tech.(IT) - BOS is conducted on 08-12-2018 at 10:00 AM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

1	Dr. S. Kannan	Assoc. Prof. & HOD	Chairman-BOS
2	Dr. V. Kamakshi Prasad	Professor, CSE Dept., JNTUH, Hyd.	University Nominee
3	Dr. S. Phani Kumar	Prof. CSE Dept, GITAM, Hyd.	Subject Expert
4	Mr. B. Mohan Rao	Senior Consultant, Cap Gemini Technology, Hyd	Industry Expert
5	Dr. S. Dhanalakshmi	Prof. CSE Dept.	Faculty Member
6	Ms. T. Swapna	Asst. Prof. IT. Dept.	Faculty Member
7	Mr. G. Sathish	Asst. Prof. IT. Dept.	Faculty Member
8	Mr K .Saidireddy	Asst. Prof. IT. Dept.	Faculty Member

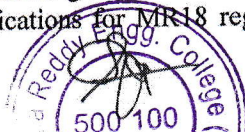
The following members not attended the meeting due to their preoccupation.

1	Dr. C. Krishna Mohan	Assoc. Prof. CSE Dept., IIT, Hyd.	Subject Expert
2	Ms. Kasturi Santhoshi Latha	Business Analyst – Bigwig Technologies Pvt Limited	Alumni

The following is the agenda for the meeting.

1. Action Taken Report (ATR) on previous BoS Meeting (6<sup>th</sup>) in A.Y 2018-19 held on 29<sup>th</sup> June, 2018.
2. Discussion and review of B. Tech (IT) MR18 regulations course schema and syllabus.
3. Suggestion and review of panel for Paper setters, Valuers and examiners for both theory and practical examinations that will be submit for Academic council for approval.
4. Suggest methodologies for innovative teaching and evaluation techniques.
5. Suggestion of any activity related to research, teaching, extension and other academic activities in the department/college.
6. Approval of list of software for MR18 regulation

At the outset, Dr. S. Kannan, HOD and Chairman of the IT (UG) - Board of Studies, welcomed the members to the BOS meeting and informed the purpose of the meeting. He also briefed about the previous BOS meeting resolutions and placed on record the existing syllabus of MR18 regulations and also proposed modifications for MR18 regulations syllabus (Batches admitting from 2018-19 onwards). Later Board of



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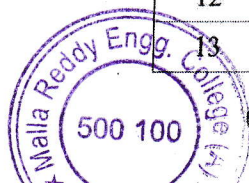
studies Members have in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS.

**The following resolutions are approved after careful discussion and observations.**

1. The BOS Members have thoroughly reviewed and discussed the MR18 Schema of instructions, periods per week, and number of credits for all 4 years of B.Tech. Information Technology Course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively resolved to implement this scheme of Instructions, periods per week and number of credits for all 4 years of B.Tech. Information Technology Course from the next academic regulations whenever implementing.
2. The BOS has reviewed and discussed the syllabus of MR18 regulations for B.Tech. Information Technology Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
3. The BOS has discussed and reviewed the MR18 syllabus of the B.Tech. subjects offered to the other Engineering branches namely B.Tech.(ECE), B.Tech.(EEE) as per the guide lines of the UGC, AICTE & JNTUH, Hyderabad.
4. The BOS Members unanimously reviewed and approved to use the following revised Open Source softwares for execution of programmes in the respective laboratories for the academic years 2019-20 onwards for the MR17 and MR18 regulations

**Revised Open Source Softwares approved for MR17 Regulations (Batches admitted during the AY 2017-18).**

S. NO	LAB NAME	SOFTWARE REQUIRED
1	Computer Programming lab	Turbo C
2	Data Structures Lab	Turbo C
3	Operating Systems internals Lab	Ubuntu, JDK/Turbo C++
4	Java Programing Lab	Java
5	Databse Management Systems Lab	MySql
6	Advanced Java Programming Lab	Java
7	R Programming Lab	Weka
8	Mobile Computing Lab	J2ME/ Android Development toolkit
9	Web Technologies Lab	JDK, BDK and Tomcat Server
10	Computer Networks and Security Lab	Turbo C / JDK
11	Python Programming Lab	Python
12	Software Testing Methodologies Lab	Turbo C
13	Data Mining Lab	WEKA TOOL



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Malla Reddy Engineering College  
(Autonomous)



5. The BOS Members approved the following revised Open Source Softwares for MR18 Regulations courses (Batches admitted from the AY 2018-19 onwards).

S. No	LAB NAME	SOFTWARE REQUIRED
1	Programming for Problem Solving Lab	C with Ubuntu
2	Data Structures Lab	C with Ubuntu
3	Big Data Analytics Lab	R
4	Java Programming Lab	Java
5	Database Management Systems Lab	MySql
6	Operating Systems Lab	JDK
7	Computer Networks Lab	JDK
8	Compiler Design Lab	C
9	Software Engineering & UML Lab	Star UML
10	Web Technologies Lab	JDK, BDK, Apache Tomcat, MySql
11	Linux Programming Lab	Ubuntu OS
12	Data Warehousing and Data Mining Lab	Weka
13	Python Programming Lab, Machine Learning Lab	Python
14	Data Mining Lab	Weka Tool
15	IT Workshop	Ubuntu OS, MS-Office, Latex
16	Cryptography and Network Security Lab	JDK
17	Android Application development Lab	Android studio

6. The BOS members have approved a revised panel for paper setters and Evaluators /examiners for both theory and practical of all the subjects of 4 year B.Tech.(IT) Courses for the corresponding regulations.
7. The BOS members have approved various methodologies for innovative teaching and evaluation techniques.
8. The BOS members have approved various activities related to research, teaching, extension and other academic activities in the department/college.
9. If any item needs to be modified /added/ deleted, the same may be circulated by E-mail to all members and after taking electronic/E-mail approval the modification may be made operational.

**The following suggestions were made by the members of the Board of studies.**

- Instead of randomly selecting the subjects, the tracks / buckets can be formed regarding the Professional Elective Categories.

Finally, Dr. S. Kannan, Chairman – IT(UG) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 4:30 PM.



Dr. S. Kannan  
Chairman, IT(UG)-BOS  
PRINCIPAL  
Malla Reddy Engineering College  
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