

(UGC-AUTONOMOUS INSTITUTION) Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi NAAC Accredited with A+ Grade NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



# Department of Computer Science & Technology

Date: 05-05-2020

## Members of the Program Assessment Committee (PAC)

The PAC has been formed for monitoring of different departmental activities. The PAC consists of HOD and faculty members of the department, who periodically monitor the departmental activities and evaluate different parameters.

Composition and approval of PAC:

The following members are nominated and approved for constitution of Program Assessment Committee for the AY-2020 -21.

S.No.	Name of the member	Designation	Position of PAC
1.	Dr. K. Dinesh	Assistant Professor	Chairman
2.	Dr. M. Sreedevi	Professor & Head	Member
3.	Dr. R. Rajakumar	Associate Professor	Member
4.	Dr. S. Padma	Associate Professor	Member
5.	Dr. K. Chokkanathan	Assistant Professor	Member
6.	Dr. R. Sendhil	Assistant Professor	Member

### Functions and Responsibilities:

- Monitoring the attainments of Course Outcomes (COs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).
- Suggesting way and means to reduce the curriculum gaps in achieving PO's and PSO's.
- Evaluating program effectiveness and proposing necessary changes.
- Measuring the extent of adherence to planned activities and calendar of events.
- Preparation of periodic reports, records on program activities, progress and status reports.

Head of the Department Compositer Science & Technology Madanapalle Institute of Testinology & Science 1. MACPrincipal
2. Vice P

- 2. Vice Principal Academics
- 3. PAC Members
- 4. Department File

Madanapalle Institute of Technology & Science MADANAPALLE



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## Department of Computer Science & Technology

Date: 98/05/2020

### DEPARTMENT ORDER

The following faculty members of the department are requested to take up the responsibility by being the "Department Advisory Board" and see that things are progressing in the assigned area.

Your cooperation in this regard would be highly appreciated.

### Composition and approval of DAB:

The following members are nominated and approved for constitution Department Advisory Board for the AY-2020 -2021.

S.NO	Name of the Faculty	Designation	Position of DAB
1	Dr. M. Sreedevi	Professor & Head	Charman
2	Dr. K. Dinesh	Assistant Professor	Member
3	Dr. T Kalaipriyan	Associate Professor	Менььег
4	Dr. S. Padma	Associate Professor	Member
5	Dr. R. Subramanian	Professor	Academie Expert
6	Prof. T. Srcenivasulu Reddy	Associate Professor	Academia Liper
7	Dr. Lakshmi Pavani Veluru	Senior Lead, HCL Technologies, Bangalore	Industry Expert
×	Mr. Venkatakrishnan R	Manager II, Federal Bank	Industry Expert

## Functions and Responsibilities:

- DAB consists of HoD, PC and the representatives of key stake holders.
- DAB receives the report of the PAC and monitors the progress of the programme.
- Develops, recommends and approves new or revised programme goals and objectives.

HOD Head of the Department Head of the Department Computer Science & Technology Madanapalie Institute of Technology Madanapalie Institute of Technology Madanapalie Institute of Technology Madanapalie Institute of Technology

2. Vice Principal Academics

3. PAC Members

4. Department File

PRINCIPAL

Principal
Madanapalle Institute of
Technology & Science
MADANAPALLE



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### Department of Computer Science & Technology

### CIRCULAR

Date: 11/05/2020

The Program Assessment Committee (PAC) meeting will be held online via Microsoft Teams on 13/05/2020 at 10:00 AM. All the PAC members are requested to attend the meeting.

#### Agenda:

- Assessment of previous results and analysis of Course Outcomes (COs), Program
  Outcomes (POs) and Program Specific Outcomes (PSOs) of 2019-20 Academic Year,
  I semester subjects.
- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- Any other matter with the permission of the chair.

Dr. K. Dinesh Assistant Professor (PAC Chair Person)

#### Copy to:

- Department Office
- PAC Members

From: Dr Dinesh K <drdineshk@mits.ac.in> Sent: Monday, May 11, 2020 10:36 AM

To: HoD-Computer Science & Technology <csthod@mits.ac.in>, Dr Rajakumar R

<drrajakumarr@mits.ac.in>,

K Chokkanathan < chokkanathank@mits.ac.in >, Dr Padma S <drpadmas@mits.ac.in>,

Sendhil R <sendhilr@mits.ac.in>

Subject: E-Circular -Conduction of Program Assessment Committee(PAC) Meeting- Regd.

Respected faculty,

I hope this email finds you well.

The Program Assessment Committee (PAC) meeting will be held online via Microsoft Teams on 13/05/2020at 10:00 AM. All the PAC members are requested to attend the meeting.

#### Agenda:

- Assessment of previous results and analysis of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of 2019-20 Academic Year, I semester subjects.
- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.

Any other matter with the permission of the chair.

Link: https://teams.microsoft.com/l/meetupjoin/19%3ameeting YTA1NmZlYTEtYmU2ZS00MDBhLWE2NTAtOTQyODYxYjkxZjA3%40thread.v2/0? context=%7b%22Tid%22%3a%22b637c4f6-57b7-44dc-bce4fec0cd202460%22%2c%22Oid%22%3a%220d2bc182-ebbd-4cca-8601-65f85f4e8769%22%7d

Regards,
Dr. K. Dinesh
Assistant Professor
(PAC Chair Person)
Department of Computer Science & Technology,
Madanapalle Institute of Technology & Science
Mobile:+91-9092282228
Email: drdineshk@mits.ac.in





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## Department of Computer Science & Technology

Date: 13/05/2020

## Program Assessment Committee (PAC) Minutes of Meeting

Meeting was held on 13/05/2020 online via Microsoft Teams at 10:00 AM, with Dr. K. Dinesh, Assistant Professor, serving as the Chair, to discuss and review the assessment method for the attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs), as well as to propose the R18 Curriculum and course content for 3rd Year B. Tech. computer-related courses.

#### Agenda:

- Assessment on previous results and analysis of Course Outcomes (COs), Program
   Outcomes (POs) and Program Specific Outcomes (PSOs) of 2019-20 Academic Year,
   I semester subjects.
- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- Any other matter with the permission of the chair.

## During the meeting, the following points were discussed:

The Department Advisory Board has set a target value of 2 for all the course outcomes (CO1 through CO5). Based on the discussion, PAC suggested the action plan for improvement in attainment level of COs and it is listed below:

- All course outcomes for 18MAT111-PROBABILITY MODELS AND STATISTICS were met except for CO2. To improve CO2's attainment, focused on joint distributions and stochastic processes, it's recommended to increase problemsolving assignments and activities. This action aims to enhance understanding and performance in these areas.
- The course outcomes CO2 and CO4 for the 18CST102 OBJECT ORIENTED PROGRAMMING USING JAVA course did not meet the target, as highlighted by their respective attainment levels. To improve, members suggest incorporating more examples on packages and class hierarchy. Additionally, hosting a workshop on advanced OOP concepts is recommended to enhance understanding and attainment.
- The course outcome (CO) assessment for 18CST103 DATABASE MANAGEMENT SYSTEMS showed that CO1, CO4, and CO5 did not meet the target attainment level. To address this, members suggest offering additional exercises on ER diagram-related issues and organizing a workshop on the latest trends in database systems.

- Dr. M. Sreedevi suggested including subjects to provide a strong foundation such as Computer Organization and Architecture, Computer Networks, and Formal Language Automata and Compiler Design in the curriculum of semester I.
- Dr. R. Rajakumar recommended incorporating practical exposure for subjects like AI Tools, Techniques and Applications, and AI Laboratory.
- Dr. S. Padma suggested including Software Engineering theory and Lab in the third year.
- Dr. R. Rajakumar suggested including humanities subjects like Corporate Communication Laboratory as per R18 structure in III year I semester.
- Dr. K. Chokkanathan and Dr. R. Sendhil recommended including subjects related to Internet of Things in the second semester.
- Dr. M. Sreedevi suggested adding Virtual Lab in the second semester.
- Dr. R. Rajakumar recommended including the subject Mobile Computing in III Year I Semester
- Dr. K. Dinesh suggested including the Artificial Intelligence System in Discipline Elective.
- · Dr. S. Padma suggested incorporating Web Technologies in in Discipline Elective.
- Dr. R. Sendhil suggested including a subject related to Digital Image Processing in Discipline Elective.
- Dr. K. Chokkanathan and Dr. K. Dinesh suggested the inclusion of Game Development and multimedia technologies in Discipline Elective.
- Dr. S. Padma recommended the inclusion of the subject Database Tuning and Cryptography and Network Security in Discipline Elective.
- Dr. R. Rajakumar recommended including Mobile Computing in Discipline Elective.
- Dr. K. Dinesh suggested including the subject Principle of Information Security and machine learning in Discipline Elective.
- Dr. M. Sreedevi recommended the subject Adhoc Wireless Network in the syllabus in Discipline Elective.
- Mr. Lokeswara Reddy (PG Alumnus) suggested including Service Oriented Architecture in Discipline Elective.
- Dr. K. Chokkanathan suggested E-Learning Technologies to be added in in Discipline Elective.
- Dr. R. Rajakumar recommended Modeling and Simulation in Discipline Elective.
- Dr. M. Sreedevi recommended the subject Software Test Automation in Discipline Elective.

- The committee members suggested to add recent technology oriented MOOCs Course (NPTEL) such as Blockchain and its Applications, Reinforcement Learning, Ethical Hacking, Privacy and Security in Online Social Media, Deep Learning and other appropriate course can be appended in future for Discipline Elective-II.
- The committee members considered the AICTE recommended book for undergraduate degree course as per model curriculum 2018, NTU Singapore 2019 subject list for R20 regulation. Further, the Andhra Pradesh State Council of Higher Education (APSCHE) engineering curriculum must be considered base structure of R20 regulation as per JNTUA instruction.
- The stakeholder feedback report on R18 curriculum for the academic year 2019-20 is taken as reference for developing the R20 curriculum structure. Committee members considered input such as the need to incorporate more data analysis and statistical inference in Probability Models and Statistics (18MAT111) to meet industry demands. Suggestions include integrating applications of data structures like AVL Trees in Data Structures (18CST101) for practical understanding. Object Oriented Programming using JAVA (18CST102) could benefit from the inclusion of AWT controls. Advanced topics like Recovery concepts in Database Management Systems (18CST103), state reduction techniques in Digital Logic Design (18CST104), syllabus reduction in Design and Analysis of Algorithms (18CST105), and equipping students with necessary communication skills in English Communication Listening & Speaking Laboratory (18ENG201) are recommended for comprehensive coverage.
- PAC committee members advised that the course content and syllabi undergo review by both the course coordinator and senior faculty members. It is recommended to structure course objectives and outcomes using Bloom's Taxonomy, ensuring measurability for each outcome. Additionally, comparing course outcomes with program outcomes is suggested to identify alignment or gaps. This process is to be upheld consistently across all academic years.
- The committee members have not suggested any modifications in the department vision and mission as it is in line with the institutional vision and mission, POs, PEOs and PSOs.

#### PAC Members:

S.No.	Name of the member	Position of PAC	Signature
1.	Dr. K. Dinesh	Chairman	KI
2.	Dr. M. Sreedevi	Member	STATE OF
3.	Dr. R. Rajakumar	Member	104
4.	Dr. S. Padma	Member	26
5.	Dr. K. Chokkanathan	Member	K. Chiele
6.	Dr. R. Sendhil	Member	RALL

Dr. K. Dynesh Assistant Professor (PAC Chair Person)



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## Department of Computer Science & Technology

### CIRCULAR

Date: 22/05/2020

The Program Assessment Committee (PAC) meeting will be held online via Microsoft Teams on 25/05/2020 at 10:00 AM. All the PAC members are requested to attend the meeting.

#### Agenda:

- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- · Any other matter with the permission of the chair.

Dr. K. Dinesh Assistant Professor (PAC Chair Person)

#### Copy to:

- Department Office
- PAC Members



From: Dr Dinesh K <drdineshk@mits.ac.in> Sent: Friday, May 22, 2020 11:24 AM

To: HoD-Computer Science & Technology <csthod@mits.ac.in>, Dr Rajakumar R

<drrajakumarr@mits.ac.in>,

K Chokkanathan < chokkanathank@mits.ac.in >, Dr Padma 5 <drpadmas@mits.ac.in>,

Sendhil R <sendhilr@mits.ac.in>

Subject: E-Circular-Conduction of Program Assessment Committee(PAC) Meeting- Regd.

Respected faculty,

I hope this email finds you well.

The Program Assessment Committee (PAC) meeting will be held online via Microsoft Teams on 25/05/2020 at 10:00 AM. All the PAC members are requested to attend the meeting.

#### Agenda:

- · Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- Any other matter with the permission of the chair.

Link: https://teams.microsoft.com/l/meetup-

join/19%3ameeting OWExNzI1NDItNWY2ZC00MDU5LTg4MjUtYzI3YzY5NTkwNmFi%40thread.v2/0?

context=%7b%22Tid%22%3a%22b637c4f6-57b7-44dc-bce4-

fec0cd202460%22%2c%220id%22%3a%220d2bc182-ebbd-4cca-8601-65f85f4e8769%22%7d

Regards,

Dr. K. Dinesh

Assistant Professor

(PAC Chair Person)

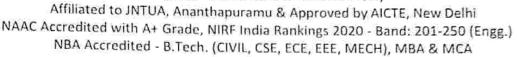
Department of Computer Science & Technology,

Madanapalle Institute of Technology & Science

Mobile:+91-9092282228 Email: drdineshk@mits.ac.in



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## Department of Computer Science & Technology

Date: 29/05/2020

#### Program Assessment Committee (PAC) Minutes of Meeting

Meeting was held on 03/06/2020 online via Microsoft Teams at 10:00 AM, with Dr. K. Dinesh, Assistant Professor, serving as the Chair, to discuss the R18 Curriculum and course content for 3rd Year B. Tech. computer-related courses.

#### Agenda:

- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- · Any other matter with the permission of the chair.

### During the meeting, the following points were discussed:

- The list of proposed subjects for the 3-year curriculum (R20) was presented, including core subjects and discipline electives as per meeting held on 13/05/2020.
- Each faculty member present was given the opportunity to express their views and preferences regarding the inclusion of specific subjects.
- Reference was made to the minutes of the previous meeting where various faculty members had suggested subjects based on the importance of foundational concepts, practical exposure, and industry relevance.
- Dr. R. Sreedevi emphasized the importance of subjects like Computer Organization and Architecture, Computer Networks, and Formal Language Automata and Compiler Design for providing a technical foundation.
- Dr. R. Rajakumar recommended practical exposure for subjects like AI Tools, Techniques and Applications, and AI Laboratory.
- Dr. S. Padma suggested including Software Engineering theory and Lab in the third year.
- Dr. K. Chokkanathan and Dr. R. Sendhil recommended subjects related to the Internet of Things in the second semester.
- Dr. T. Sreenivasulu Reddy (Subject Expert) and Mr. M. Lokesh Kumar Rao (PG Alumnus) suggested including the inclusion of database tuning, cryptography, and network security, mobile computing, and principles of information security in the curriculum.
- The committee discussed the discipline electives and suggested a range of subjects, including Data Mining and Data Warehousing, Deep Learning, Web Technologies, and others.

- The members collectively suggested the inclusion of recent technology-oriented MOOCs courses, such as Blockchain and its Applications, Reinforcement Learning, Ethical Hacking, Privacy and Security in Online social media, and Deep Learning, was also recommended for Discipline Elective-II.
- The R20 curriculum includes python for problem solving and data structure using C programming as I year subjects. Further, the python for problem solving credits increased from 3 to 3.5 as per faculty feedback to improve the practical exposure.
- The draft version of the R18 and R20 curriculum has been submitted for the approval
  of the Department Advisory Board (DAB).

#### PAC Members:

S.No.	Name of the member	Position of PAC	Signature
1.	Dr. K. Dinesh	Chairman	E/V
2.	Dr. M. Sreedevi	Member	and the second
3.	Dr. R. Rajakumar	Member	du
4.	Dr. S. Padma	Member	6
5.	Dr. K. Chokkanathan	Member	6. chol
6.	Dr. R. Sendhil	Member	n sale

Dr. K. Dinesh Assistant Professor (PAC Chair Person)



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### Department of Computer Science & Technology

#### CIRCULAR

Date: 13/05/2020

The Department Advisory Board (DAB) meeting will be held online via Microsoft Teams on 15/05/2020 at 10:00 AM. All the DAB members are requested to attend the meeting.

#### Agenda:

- Assessment of previous results and analysis of Course Outcomes (COs), Program
  Outcomes (POs) and Program Specific Outcomes (PSOs) of 2019-20 Academic Year,
  I semester subjects.
- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- Any other matter with the permission of the chair.

Dr. M. Sreedevi Professor & Head

#### Copy to:

- · Department Office
- DAB Members

From: HoD-Computer Science & Technology <csthod@mits.ac.in>

Sent: Wednesday, May 13, 2020 10:20 AM

To: Dr Dinesh K <drdineshk@mits.ac.in>, Dr Kalaipriyan T <drkalaipriyant@mits.ac.in>, T Srinivas<thattis@gmail.com>, Dr Subramanian R< rsubramanian630@gmail.com>, Dr Padma S <drpadmas@mits.ac.in>, Pavani V <pavanivelluru1@gmail.com>, R Venkatakrishnan <friend87@gmail.com>

Subject: E-Circular-Conduction of Department Advisory Board(DAB) Meeting- Regd.

Respected faculty,

I hope this email finds you well.

The Department Advisory Board (DAB) meeting will be held online via Microsoft Teams on 15/05/2020 at 10:00 AM. All the DAB members are requested to attend the meeting.

#### Agenda:

- Assessment of previous results and analysis of Course Outcomes (Cos), Program Outcomes (Pos) and Program Specific Outcomes (PSOs) of 2019-20 Academic Year, I semester subjects.
- Discussion on proposal of R18 Curriculum.
- Discussion on proposal of R20 I-year Curriculum.
- Any other matter with the permission of the chair.

Link: https://teams.microsoft.com/l/meetup-

join/19%3a27765b51b0e84556acded9688b10fed7%40thread.tacv2/1638243649221?context=%7b% 22Tid%22%3a%22b637c4f6-57b7-44dc-bce4-fec0cd202460%22%2c%22Oid%22%3a%22db7e1a49-2644-4c2f-8f55-be01d621f397%22%7d

#### Thanks & Regards

Dr.M.Sreedevi Prof. & HEAD

Department of Computer Science & Technology,

Madanapalle Institute of Technology & Science,

Post Box No. 14, Kadiri Road, Angallu (Village & Post)

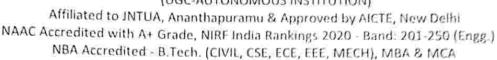
Madanapalle-517325, Andhra Pradesh Phone: +91-8571-280255; 280706

Mobile: +91-9100973281 Email: esthodia mits.ac.in





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## Department of Computer Science & Technology

Date: 15/05/2020

#### Department Advisory Board Minutes of Meeting

Department Advisory Board (DAB) meeting held online via Microsoft Teams on 15/05/2020 at 10:00 AM with Dr. M. Sreedevi, Professor & Head as Chair to discuss and review the assessment method for the attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs), as well as to propose the R18 Curriculum and course content for 3rd Year B.Tech, computer-related courses.

#### Agenda:

- Assessment of previous results and analysis of Course Outcomes (COs), Program Outcomes (POs) and Program Outcomes (PSOs) of 2019-20 Academic Year, I semester subjects.
- Discussion on proposal of R18 Curriculum.
- · Any other matter with the permission of the chair.

The PAC members collectively suggested the inclusion of Computer Organization and Architecture, Computer Networks, Formal Language Automata and Compiler Design, Al Tools, Techniques and Applications, Corporate Communication Laboratory, English Communication - Reading and Writing, Internet of Things, Software Engineering in the III-year curriculum.

The members collectively suggested the inclusion of cryptography, and network security, mobile computing, and principles of information security, Data Mining and Data Warehousing. Deep Learning, Web Technologies, was also recommended for Discipline Elective-L.

The members collectively suggested the inclusion of recent technology-oriented MOOCs courses, such as Blockehain and its Applications, Reinforcement Learning, Ethical Hacking, Privacy and Security in Online social media, and Deep Learning, was also recommended for Discipline Elective-II.

#### During the meeting, the following points were discussed:

- The committee received the R18 III-year curriculum structure and R20 I year curriculum from PAC meeting conducted on 03/06/2020.
- The committee members accepted the R18 III-year curriculum structure and suggested including the subjects mobile computing and digital image processing in Discipline Elective-I.

- The committee members suggested including machine learning, ethical hacking and Industrial 4.0 in the MOOC category.
- The committee suggested to include game design related course in the honor degree of the department and accepted minor degree structure without any changes.
- The committee members suggested introducing the summer internships for the creamy layer of the students.
- The committee members accepted the R20 curriculum structure as per Andhra Pradesh State Council of Higher Education (APSCHE) and subjects proposed PAC committee members such as python and data structures.
- The committee members discussed above the input received from stakeholder's feedback and suggestion incorporated by PAC committee members.
- The committee members discussed the suggestion given by the PAC meeting on 03/06/2020 towards analysis of Course Outcomes and suggested to conduct the seminar and workshop related to current industry needs.

The committee members verified the standard of course outcomes for each subject and consolidated them into the draft versions of the R18 and R20 curriculum.

The draft versions of the R18 and R20 curriculum have been submitted for approval by the BOS.

The committee members discussed progress towards the department's vision and mission, emphasizing a focus on research.

## List of Faculty Members in the Department Advisory Committee

S.No.	Name of the Faculty	Position of DAB	Signature
1	Dr. M. Sreedevi	Chairman	A Lang
2	Dr. K. Dinesh	Member	K/
3	Dr. T. Kalaipriyan	Member	KJ
4	Dr. S. Padma	Member	8/
5	Dr. R. Subramanian	Academic Expert	0
6	Prof. T. Sreenivasulu Reddy	Academic Expert	medamo
7	Dr. Lakshmi Pavani Veluru	Industry Expert	V. Kniemije
8	Mr. Venkatakrishnan R	Industry Expert	Villa