MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to R.G.P.V., Bhopal, M.P.)

Date: 1st June, 2019

Minutes of the Academic Council Meeting

The meeting of the academic Council (AC) was held on 1st June, 2019 at 11.30 am in the Autonomy cell of the institute.

The meeting was chaired by **Dr. R. K. Pandit**, Director of the Institute. **Er. Ramesh Agarwal**, Secretary, Scindia Engineering College Society (SECS) Gwalior, **Shri Prashant Mehta,** Member, Board of Governors (Nominee of Hon'ble Chairman, BoG), **Dr. Mohan Sen,** Special Invitee from RGPV Bhopal attended the meeting.

Out of the four members nominated by the Board of Governors, **Dr. Rommel Mehta**, Professor School of Planning and Architecture (SPA) New Delhi, **Dr. S.G. Deshmukh**, Director, ABV-IIITM Gwalior, attended the meeting while **Dr. D.D. Agrawal,** Professor, Jiwaji University, Gwalior and **Dr. Dharmendra Kumar,** Professor, Computer Science & Engineering, G.J. University Hisar could not attend the meeting.

Other nominees of the Hon'ble Vice Chancellor of RGPV Bhopal, Registrar, RGPV Bhopal, **Dr. R.S. Rajput,** Director, UIT RGPV Bhopal and **Dr. Rajesh Bhargava**, Dy. Registrar (Acad.) RGPV Bhopal could not attend the meeting.

The DTE nominee **Dr. A.K. Kori**, Professor Electrical Engineering, JEC, Jabalpur did not attend the meeting.

Special Invitee **Dr. S.C. Choubey**, Professor & Dean, RGPV Bhopal did not attend the meeting

The following internal members attended the meeting:

S. No.	Name	Designation	Status in AC
1.	Dr. R. K. Pandit	Director	Chairperson
2.	Dr. Manjaree Pandit	Professor (Electrical Engineering) & Dean (Academics)	Member
3.	Dr. Laxmi Srivastava	Professor & Head, Electrical Engineering	Member
4.	Dr. M. K. Trivedi	Professor & Head, Civil Engineering	Member
5.	Dr. S. S. Jadon	Professor & Head, Architecture	Member
6.	Dr. Pratesh Jayaswal	Professor, Mechanical Engineering	Member Secretary
7.	Dr. Manish Kumar Sagar	Professor & Head, Mechanical Engineering	Member
8.	Dr. Akhilesh Tiwari	Professor & Head, CSE & IT	Member
9.	Dr. C. S. Malvi	Professor (Mechanical Engineering) and I/C Head, Chemical Engineering	Member
10.	Dr. Rekha Gupta	Associate Professor & Head,	Member

		Electronics Engineering	
11.	Dr. V. Shinde	Associate Professor & Head, Applied Sciences	Member
12.	Dr. Sunita Sharma	Coordinator, Biotechnology	Member
13.	Prof. Deepak Rastogi	Associate Professor, Civil Engineering	Member
14.	Dr. Sanjeev Khanna	Coordinator, Humanities	Member
15.	Prof. Prabhakar Sharma	Assistant Professor, Computer Applications & In-charge, Central Computer Center	Member

Dr. P. K. Singhal, Professor, Electronics Engg & Controller Examination, Dr. Rajeev Kansal, Professor & Dean Student Welfare and Dr. Sulochana Wadhwani, Professor, Electrical Engineering & Nodal Manager for Outcome Based Education (OBE) of the Institute & Deputy Controller Examination attended the meeting as a special invitee.

The following deliberations took place in the meeting. The Item wise details are as follows:

Item: AC-1	To confirm the minutes of the last Academic Council Meeting held on 25th October, 2018:
	The minutes of the previous Academic Council meeting held on 25th October, 2018 were confirmed with a few modifications.
	Dean, academics apprised about the compliance status of key issues discussed and approved in the previous academic council meeting, as per the following:
	Provision for SWAYAM/NPTEL/MOOC (Massive Open Online Courses) platform based learning
	• As per the guidelines issued by AICTE Gazette notification dated 17th August 2016 for conducting and evaluating courses through SWAYAM/NPTEL/MOOC (Massive Open Online Courses) platform based learning,
	• **The Boards of Study have prepared the list of "additional courses" to be offered for credit transfer in the July-Dec 2019 session so that the V semester students have an option to earn additional credits by selecting "maximum two courses from the list" in any one of the following two categories,:**
	(i) **for getting an "Honours"**(for students of the parent department provided they earn 20 credits in this category by the end of VIII semester
	(ii) **for getting a "Minor specialization" in other interdisciplinary areas / fields of Engineering, Technology, Applied Science, Management etc.** (for students of other departments, provided they earn 20 credits in this category by the end of VIII semester)
	• Board of Studies (BoS) have prepared the list of Departmental Elective (DE) and Open Elective Courses (OC) which are to be run under MOOC (SWAYAM/NPTEL) based learning.

Credit adjustments in the flexible scheme for the B.Tech programme for 2017-18 admitted batch as resolved by the AC in the previous meeting

- In order to bring uniformity in total credit requirement for all the batches being offered the Flexible Curriculum, necessary adjustments in the credits of 5th to 8th Semester schemes have been made by respective Board of Studies, for 2017-18 admitted batch only to align the total credit requirements (170 & 260 for B.Tech & B. Architecture respectively).

Renaming the 8th Semester credit course named "Innovative Technical Contribution" to "Professional Development"

- To bring all kind of personality and skill development activities of the students into the orbit and to encourage student participation in various activities, in addition to technical events, the course titled "**Innovative Technical Contribution**" has been renamed as "**Professional Development**".

Exemption from examination process for Mandatory Course (MC) (Biology for Engineers and Indian Constitution & Traditional Knowledge)

- As resolved, the two Mandatory Courses (MC) on **Biology for Engineers** and **Indian Constitution & Traditional Knowledge** have been included as non-credit courses and now, the end semester examination will be optional for these courses; However, an additional mark sheet will be issued to the qualifying students.

Conduction of Examination on Equivalency basis

- As resolved in the previous meeting, the end semester examination for Jan- June 2019 has been conducted on the basis of Equivalency.

The time-line/schedule for conduction of M.E./M.Tech. dissertation examination

- The dates of **final submission of all PG dissertations** were approved **as 15th May & 15th December in the previous meeting.**
- However, it was proposed that changing the deadline from 31st May to 31st July will give more time to the PG Scholars for getting research papers published in reputed journals. Moreover, this schedule will also permit the students to work for the full 24 month duration of their course and avail full GATE scholarship.

The Hours approved the proposal; hence the last dates of final submission of all PG dissertations is now as given below w.e.f. students admitted in 2017-18 Academic Session.

Time Slot	Last date for Submission	Remark
1	31st July	Changed from 31st May as approved in the previous meeting

2	15th December	As per previous approval

Digital submission of B.E./B.Tech/M.E./M.Tech. projects / dissertation and conduction of M.E./M.Tech examination on Skype/video conferencing

- **Digital Submission of B.E. / B.Tech Major Project report** has been implemented. Students appeared in final semester examination (June 2019 pass out batch) have submitted their major project work report in the digital mode. Moreover, a **one page abstract - written in Hindi,** has also been included in the report.

- Notification to M.E. /M.Tech students (admitted in 2017-18 session) has been issued to notify them about the Digital submission of their dissertation/thesis and **provision of viva voce examination through online mode**.

Internship Programs

- Dean Academics informed the house about the "Summer Internship program-II" on **Soft Skills, which is being organized** for second year students. This is in addition to First Year Internship program.
- This time outside participants are also permitted for both the internships.

The Hourse after the above discussions confirmed the minutes of the previous meeting held on 25th October 2018.

Item: AC-2	**To discuss and finalize the policy for credit transfer for the courses from SWAYAM/NPTEL/MOOC (Massive Open Online Courses) platform**

In connection with the credit transfer for the courses from SWAYAM /NPTEL/University of Central Florida (UCF) /RGPV Bhopal/Institutional MOOC/ other standard MOOC (Massive Open Online Courses) platforms, **the house approved the following policy for credit transfer under Departmental Elective (DE) and Open Category (OC) courses.**

Duration of Course	*Credits*
04 week course	*01**
06 week course	*02***
08 week course	*03***
12 week course	*04***

*These courses can be offered only under seminar/self-study/professional development purposes

** These courses can be offered under DEs/ OCs and additional courses (for Honours /

	Minor Specialization). Further, it is also finalized & approved to consider the equivalence / weightage of awarded marks on the basis of percentage marks obtained/mentioned on the qualifying certificate issues by the agency.
Item: AC-3	**To discuss & finalize the Guidelines for conduction of Departmental/Open Elective Courses (DEs /OCs)** For the smooth & effective conduction of Departmental/Open Elective Courses (DEs /OCs), the house approved the following guidelines • It is decided that Board of Studies will prepare the list of Departmental/Open Elective Courses (DEs /OCs). • Further, it is required to make the list public among the students, well in advance; possibly in the previous semester itself for preference based registration process (in online mode). • Moreover, the allotment of Open Elective Courses will be based on First Come First Serve (FCFS) basis. • In order to run an Elective (DE) course, the registration of **about 30% students of sanctioned class intake is approved as minimum requirement**. Moreover, it is proposed to limit the batch size to **about 60% of sanctioned class intake**. The allotment will be based on **First Come First Serve (FCFS) basis**. • In order to run an Open Elective Course (OC), the registration of **about 5% students of sanctioned batch size** is approved as minimum requirement. Moreover, it is decided to limit the batch size to **about 10% of sanctioned batch size**. The allotment will be based on **First Come First Serve (FCFS)** basis. • **While offering Open Elective Courses (OCs) the department can collaborate with other departments** also and in such cases the course may be run by two departments jointly; however the department proposing the course will be responsible for syllabus, smooth conduction and evaluation of the proposed course. • In case, if any student fails to earn credits for DE courses (opted from online platforms) in his/her first attempt, he /she is allowed to continue with the same course (if available) /or the new course may be chosen from the pool of online courses (SWAYAM /NPTEL/University of Central Florida (UCF) /RGPV Bhopal/Institutional MOOC/ other MOOC (Massive Open Online Courses) platforms). • Further, it is resolved that the weightage of continuous assessment (Mid Semester Exam, Quiz, Assignment etc.) for such courses will be considered from the score obtained towards assignment work/test etc. conducted by the course offering agency. **The mentor faculty from the parent institute will be responsible for ensuring that credit transfer and internal assessment evaluation from MOOCs is properly reflected in the institute examination & assessment system.**

- It was decided that four courses (04 options) in each Departmental Elective (DE) and at least two courses in each Open Category (OC) Course will be offered by each department.

- **It was resolved that the Open Category (OC) course will be open for students of departments other than the offering (parent) department. Moreover, there should be no pre-requisite for Open Category Courses, so that anyone can opt these courses irrespective of their discipline.**

Item: AC-4	**To discuss and finalize the Guidelines for evaluating the VIII semester course "Professional Development" (01 credit course).**

Following guidelines and evaluation criteria have been approved for evaluating the course "Professional Development".

PERFORMANCE METRICS		
Categories	Suggestive Activities	Marks Assigned
Institute Level* (C1)	Participation in **Institute level** technical events such as quizzes, extempory, debate, student volunteers, seminar, professional society local chapters (IET,IEEE,ISTE,IETE),NCC, etc.	**02 Marks** for each participation (maximum 06)
State Level* (C2)	Participation in **State level** technical events such as Robotics, Coding challenge, Cultural cum technical fest, technical symposium, volunteers, hackathon, sports etc.	**03 marks** for each participation (Maximum 09)
National level* (C3)	Participate in **National level** events such as hands on workshop, national level seminar, national conference, Entrepreneurship, model making, techno culture fest, national youth festival, research conclave, project competition, volunteers, sports festival etc.	**05 marks** for each participation (Maximum 15)
MOOC's** (C4)	Successfully completed technical **certification course in any MOOC's** platform such as (NPTEL/SWAYAM/EdX/Coursera/Class Central etc)	**10 marks** for each course (Maximum 20)
Evaluation		
Formula		Marks Scored
($C1 \times 2 + C2 \times 3 + C3 \times 5 + C4 \times 10$)=		

In addition to the above, it was resolved that if a student or group of students win a competition in the above three categories (Institute level/ State level /National level etc.)then maximum marks in the respective category will be awarded to such students.

Note: * Student must produce a certificate as a proof for each activity.
** Courses must be additional, not the ones for which credits are already earned by the student during academics (from I-VIII semester).

- **Further, it is advised that the departments must prepare and publish a list of activities/competitions to be conducted during the session.**

Item: AC-5	**To discuss the examination reforms based on the latest (2018-19) guidelines issued by the All India Council for Technical Education**

It is decided to conduct a workshop, for preparing **"template of question paper pattern"** and to finalize the most suitable template conforming to the recent guidelines issued by AICTE and inclusive of following exam reform recommendations

1) **Two-step process for bringing clarity to Programme Outcomes** (POs): Formulating competencies and performance indicators from POs which can be used to clearly set assessment goals that are synchronised with outcome based Education.
2) Guidelines and sample papers for using **Bloom's taxonomy to design the assessment** that will demonstrate the achievement of higher order thinking skills.
3) Using **different assessment methods to assess higher order and professional skills** like course project, open –ended experiments in labs, project based learning modules, MOOCs, Co-curricular experiences, Mini/Minor projects, final year projects, internship experiences, E-portfolio of student works.
4) Using **rubrics as assessment tools** for measuring outcomes.
5) Possibility for **Open-book examinations.**

It was apprised to the House that the questions in the written examinations are already mapped to Course outcomes (COs) in the existing examination pattern of the Institute.

As per the newly suggested norms, it is also discussed to ensure the mapping of question paper with

- i. Bloom's Levels
- ii. Course Outcomes (CO)
- iii. Programme Outcome (PO)
- iv. Performance Indicator Code

It was resolved that for sensitizing the faculty and students about these new norms a number of workshops and interactive session will be conducted at the department/institute level.

Item: AC-6	**To discuss & review the syllabi of Mandatory Courses** - **Indian Constitution & Traditional Knowledge** - **Disaster Management**

Dean Academics apprised about the course on "Indian Constitution & Traditional Knowledge" which will be offered in the V semester as a mandatory course for all B.Tech students. This is an Audit course where passing will be optional, as decided in the previous

	meeting of the Academic Council. Another mandatory Credit course on "Disaster Management" will be offered in the VI semester for all B.Tech students. **The syllabus (along with course outcomes) for these two courses have been approved by the house.** Though these courses will be taught by the Humanities and Civil Engineering departments respectively, **each department must also conduct activities like seminars, talks, poster presentation etc. to create awareness and to promote student learning on these issues** at least once in the respective semester.
Item: AC-7	**To discuss and finalize norms for evaluation of Summer Internship Programmes (SIP-I & SIP-II)** *[Internship is compulsory as per AICTE mandate and it is conducted and assessed/evaluated in-house during the summer vacations for batches admitted under flexible curriculum from 2017-18 onwards. However, its evaluation is reflected as follows:* *For SIP-I, in III semester: 25 marks, 2 credits in Lab Work & Sessional part of practical slot* *For SIP-II, in V semester: 25 marks, 3 credits in the End Semester part of practical slot]* • It is approved by the council to include the evaluation of internships programmes in the **End Semester part of practical slo**t with the following suggestive credit pattern for Internship Programs (already approved in AC meeting on 26.4.2018). • **In case, a student fails to appear (due to valid cause) / acquire minimum score, the Head of Concerning Department may schedule the re-conduction of internship program for such students and the same will be monitored and reviewed by the Dean Student Welfare.** • Moreover, the promotion to successive semesters/years will be permitted for such candidates, however, they will not be awarded the degree until they complete these mandatory Summer Internship Programmes (SIPs). Also, such students will be required to fill the examination form for III/V semester in order to get the marks/credits reflected in their mark sheet, which will also clearly indicate the year of completion of Internship.

S.No.	Course	*Minimum Hours	Year (in which Internship to be offered)	Evaluation
1.	Summer Internship Project-I (Institute Level)	60 Hours	First Year	III Semester (02 Credits)
2.	Summer Internship Project-II (Soft Skills)	90 Hours	Second Year	V Semester (03 Credits)
3.	Summer Internship Project -III (On Job Training)	150 Hours	Third Year	VII Semester (02 Credits)

	- **It was also decided that repetition of internship will be allowed after paying the registration fee of Rs. 1000/- (One Thousand Only).**
Item: AC-8	**To discuss & finalize the norms for Academic Integrity (to address plagiarism related issues)** To address the academic integrity issue, Dean Academics apprised about the following initiatives taken by the institute - Institute has procured "Turnitin" plagiarism check software and it is accessible to all the stakeholders of the Institute. Moreover, at each department, one faculty member has been designated as "Turnitin Administrator" to create awareness, to train others and to handle issues, if any. - In compliance to UGC Guidelines, a **Departmental Academic Integrity Panel (DAIP)** has been constituted. In addition, **Institutional Academic Integrity Panel (IAIP)** has also been constituted which will consider the submissions/ recommendations of DAIP. **The council approved the following criteria for accepting similarity index for the submission of UG project report/ PG dissertation/thesis** - The overall similarity index up to 15-20% is acceptable (using turnitin plagiarism check software) provided that the highest similarity percentage from any one source is not greater than **4-6%**. - In case of **self plagiarism**, the permissible percentage may be slightly higher, say at **7-10%**.
Item: AC-9	**To discuss & finalize the guidelines for Industry Collaborative Courses** The council approved the proposal to run at least one of the Departmental Elective (DE) courses as "**Industry Collaborative Course**". For collaborative curriculum design & further conduction, departments are required to identify potential industrial collaborators and will submit the same for approval in the next meeting of the council. It is discussed and finalized that the course content coverage of at least one (01) Credit (i.e. about 30-40 % of total course content in around 10-12 lecture hours) is to be covered by the collaborator / industry expert and remaining part by the internal department faculty. The internal faculty member will coordinate with industrial person for continuous assessment and final evaluation purpose.
Item: AC-10	**To nominate two experts from outside the parent university (RGPV) in the BoS** The names of two experts (not from RGPV Bhopal) proposed for nomination to each BoS by the Academic Council, are as follows:

Department	Expert Name	Institute/organization	
Civil Engineering	Dr. P.K. Jain Professor	Civil Engineering Department, MANIT, Bhopal- 462 051 Email: pkjain10@rediffmail.com Tel. 0755-4052318	
	Dr. Mahesh Kumar Jat Professor	Civil Engineering Department, MNIT, Jaipur- 302 017 Email: Mahesh.mnit@gmail.com Tel. 0141-2713412	
Mechanical Engineering	Prof. A.K. Agrawal Professor	IIT, BHU, Varanasi- 221 005 U.P.) Email: akagrawal.mec@iitbhu.ac.in Mob: 9452413766	
	Prof. P.M.V. Subbarao Professor	IIT, Delhi Hauzkhas, New Delhi – 110016 (India) pmvs@mech.iitd.ac.in Tel. 011-26591142 (o)	
Automobile Engineering	Prof. K.K. Jain Professor	NITTTR, Shamla hills, Bhopal- 462 002 (M.P.) kkjain@nitttrbpl.ac.in / kamleshkjain@hotmail.com Mob. 9425017472	
	Prof. Pavan Kumar Kankar Associate Professor	IIT, Indore, Khandwa Road, Simrol, Indore – 453 552 (M.P.) Email: pkankar@iiti.ac.in Tel. 07324-306517	
Electrical Engineering	Dr. Mukhtiar Singh Professor	Electrical Engineering Department, DTU, Shahbad Daulatpur main Bawana Raod, Delhi – 110 042 Email: smukhtiar79@yahoo.co.in /mukhtiarsingh@dce.ac.in Mob. 08178608809	
	Dr. D.K. Chaturvedi Professor	Electrical Engineering Department, DEI, Agra- 282 005 (U.P.) Email: dkc.foe.@gmail.com / dkchaturvedi@dei.ac.in Mob. 09456433788/0562-6548399	
Electronics Engineering	Dr. N.S. Raghava Professor	Department of Electronics, DTU, Shahbad Daulatpur main Bawana Raod, Delhi – 110 042 Email: nsraghava@gmail.com / nsraghava@dce.ac.in	
	Dr. Jyoti Singhai Professor	Electronics & Communication Engineering Department MANIT, Bhopal- 462 051 Email: j.singhai@manit.ac.in/ j.singhai@gmail.com Tel. 0755- 2670327 (Ex. 1512)	
CSE/IT	Dr. Virendra Prasad Vishwakarma Associate Professor	University school of Information and Communication Technology (USICT) Guru Gobind Singh Indraprastha University (GGSIPU), Delhi.	

		Email: vpv@ipu.ac.in Tel. 011-25302702	
	Prof. (Dr.) N. Singh Professor & HoD	Ambedkar institute of Advanced Communication Technologies & Research (Department of Training and Technical Education, Govt. Of NCT, Delhi), Geeta Colony, New Delhi – 110 031 (India) Email: nsingh1973@gmail.com	
Chemical Engineering	Dr. Manish Vashishtha Associate Professor	MNIT, Malaviya Nagar , Jawahar Lal Nehru Marg, Jaipur – 302017 (Rajshthan) Email: mvashishtha.chem@mnit.ac.in Tel. 0141-2713492	
	Dr. Niket Kaisare Professor	IIT, Madras , IIT P.O., Chennai - 600 036 INDIA Tel. 044-22574176 Email: nkaisare@iitm.ac.in	
Biotechnology	Dr. Nalini Shrivastava Professor	Department of Biotechnology, Jiwaji University, Gwalior- 474011 Mob. 9425335703	
	Dr. Jai Gopal Sharma Prof & Head,	Prof & Head, Department of Biotechnology, DTU, New Delhi- 110 042 Email: sharmajaigopal@dce.ac.in /sharmajaigopal@gmail.com Mob. 9811090186	
Applied Science (Applied Physics)	Dr. P.K. Purohit Professor	Department of Applied Science, NITTTR, Shamla hills, Bhopal- 462 002 (M.P.) Email : pkpurohit@nitttrbpl.ac.in / purohit_pk2014@yahoo.com Mob. 9826098924	
	Dr. V. Ravishankar Professor	Department of Physics Indian Institute of Technology, hauzkhas, New Delhi – 110 016 (India) Email: vravi@physics.iitd.ac.in Tel. 01126591376 (o)	
Applied Chemistry	Dr. Amit Dubey Professor	Department of Chemistry MANIT, Bhopal- 462 051 Email: amitdubeydr@manit.ac.in / dramit.dubey@gmail.com	
	Dr. G. Pandey Professor	Department of Chemistry Central Baba Saheb University, Raebareli Road, Lucknow- 226 025 (U.P.) Email: pandeygajanan@rediffmail.com Mob. 91-8765583117	
Applied Mathematics	Dr. Madhvi Shakya Professor	Department of Mathematics MANIT, Bhopal – 462 051 Email: madhvishakya@yahoo.co.in / shakyam@manit.ac.in Tel. 0755-4051554	
	Dr. Madhu Jain	Department of Mathematics

	Associate Professor	IIT Roorkee, Roorkee- 247 667 (Uttarakhand) Email: madhufma@iitr.ac.in Mob. 09412811021	
Humanities	Dr. Umesh Holani, Professor	School of Studies in Commerce / Management, Jiwaji University, Gwalior- 474011 Mob. 91- 9425735596	
	Dr. J P Singh Professor of English	English Language Govt. Bhagwat Sahai College, Gwalior - 474003 Mob. 91- 9425338867	
Architecture	Dr. Manmohan Kapshe Professor	Department of Architecture and Planning, MANIT, Bhopal- 462 003 Email: kapshem@manit.ac.in / mkapshe@gmail.com Mob. 9893064696/ 0755-4051100	
	Dr. Vasudha Gokhale Professor	Department of Architecture, BNCA, Karve Nagar Pune – 4110 52 (Maharashtra) Email: gokhale.va@gmail.com / anshuma@rediffmail.com Mob. 9226827367	

The Academic council approved the proposal.

| Item:AC -11 | **To discuss about the policy to offer B.Tech with Honours or/and Minor Specialization & to decide about the time period for acquiring minor specialization**

- The House was apprised that the Institute is ready for implementing the flexible curriculum w.e.f. batch admitted in 2017-18 session.
- The House was apprised that the provisions (for getting honours or minor specialisation) are already approved in the previous meeting of the AC in accordance with the **AICTE guidelines-January 2018 for preparing Model Curriculum.**
- It has been approved in the previous Academic Council meetings to keep provision for the students to opt for either Under Graduate degree with Honours or additional Minor Engineering/Technology/Management/Applied Sciences specialization, if he/she earns an additional 20 credits from the pool specified by the respective BoS.
- It has also been approved in the previous meeting that to acquire the 20 additional credits students can opt additional courses from V semester onwards. (maximum two additional courses in each semester).
- All the BoS have already discussed and prepared a list of "additional courses" from MOOCs well in advance for the next semester starting July 2019.
- **However, the guidelines/ordinance from affiliating university has not yet been received. Therefore, the House was of the opinion that permission from university must be sought by the Institute to implement both provisions, i.e. Honours as well as Minor Specialization.**
- The house reviewed the preparedness of the Institute for implementing the Flexible Curriculum and approved the provisions to offer Honours or Minor Specialization in |

tune with AICTE guidelines for Model Curriculum.

- Based on these points, it was resolved that the institute, being an academically autonomous institute must represent the case at the University level and seek permission for offering Honours/Minor Specialization, for the benefit of the students and to add multidisciplinary flavour to the B.Tech degree which is expected to enhance the employability of students in the present rapidly changing technological scenario.

- **It was resolved by the Academic Council of the Institute that, in case, the University (RGPV) does not make any provision for conferring "Minor Specialization" in its ordinance for flexible curriculum, then**

  ➢ **considering the preparations of institute to move ahead for both the provisions (Honours / Minor Specialization), the Director of the institute will carry the matter to the Hon'ble Vice Chancellor of RGPV Bhopal for his kind consideration and further inclusion in the deliberations of higher level committees (Academic Council / Executive Council of University (if needed), so that the said provisioning can possibly be made for MITS Gwalior by considering its autonomy status ("UGC Autonomous") as potential feature to offer this "Minor Specialization" provision (along with Honours) in its flexible curriculum.**

- In the further discussion, the House noted the significance of "Minor Specialization" (along with the Honours) and discussed about the expectation of different accreditation agencies like NAAC to have such a provision and flexibility in the curriculum.

- It is further resolved that the Honours will be conferred in the parent discipline and student will be bound to complete the additional courses requirement (20 additional credits i.e. 170+20) within the permitted duration of degree (as per the prevailing ordinance).

- In case a student aspires for Honours & minor specialization both, it is proposed that the provision for extended time for completion of additional courses (extra 20 credits through MOOC based learning i.e. 170+20+20) for acquiring minor specialization (after the completion of his graduation with Honours) may be made.

- In continuation it is decided that for the smooth implementation of these provisions, a student will be required to initially opt (at the time of commencement of V Semester) for Honours or Minor Specialization or Honours with minor specialization.

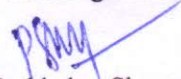| Item:AC -12	**To review and approve the minutes of the Board of Studies (BoS)** (conducted during the first week of April 2019) **as presented by the respective Chairpersons of the following BoS:**
	The minutes of Boards of Studies (BoS) were presented by the Chairpersons of following Departments:
	Civil, Mechanical, Electrical, Electronics, Computer Science & Engineering and Information Technology, Chemical Engineering, Bio-technology, Automobile Engineering, Electronics and Telecommunication, Architecture, Applied Sciences & Humanities.
	The presentation covered the following Agenda points of the respective BoS:
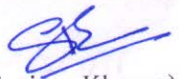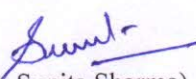
- To frame the syllabi for all Departmental Core (DC) courses to be offered in the V & VI Semester under the flexible curriculum.

- To prepare and recommend the experiment list / Lab manuals for laboratory courses to be offered in V & VI Semester under the flexible curriculum.

- To frame the COs for all Departmental Electives (DEs) and Open Category (OC) courses up to VI Semester, to be offered under the flexible curriculum.

- To frame and propose the syllabi for all Departmental Electives (DEs) and Open Category (OC) courses up to VI Semester, to be offered under the flexible curriculum.

- **To propose lists of "Additional Courses" which can be opted for getting an (i)'Honours'**(*by the students of parent department*) **(ii) Minor Specialization** (*by the students of other departments*)
  (These courses will be completed through SWAYAM / NPTEL / MOOC based learning platforms during V & VI Semester).

- To propose the tentative list of courses which the students can opt from NPTEL platform for Seminar/Self Study Courses in III & V Semester.

- To align the overall credit requirement to 170 credits for the Scheme of 2017-18 admitted batch.

- To identify gaps in CO attainment levels for July-December 2018session and propose corrective measures for improvement.

- To propose/ recommend the panel of examiners (UG & PG Level) for conducting practical examination.

The House approved the minutes of the above listed Board of Studies (BoS)
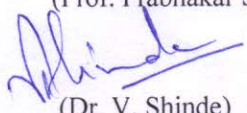
The meeting ended with vote of thanks to the Chair.
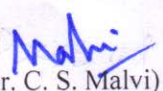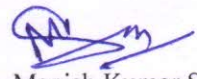
(Prof. Prabhakar Sharma)   (Dr. Sanjeev Khanna)   (Dr. Sunita Sharma)   (Prof. Deepak Rastogi)
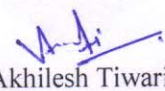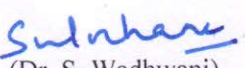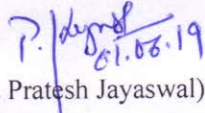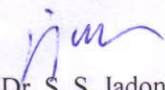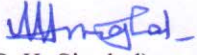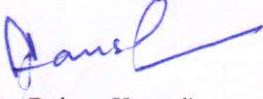
(Dr. V. Shinde)   (Dr. Rekha Gupta)   (Dr. C. S. Malvi)   (Dr. Akhilesh Tiwari)
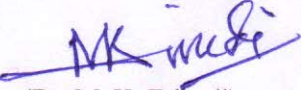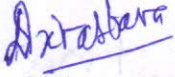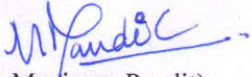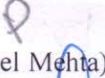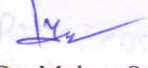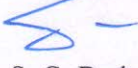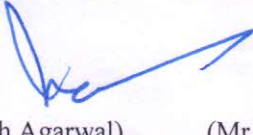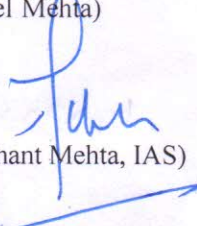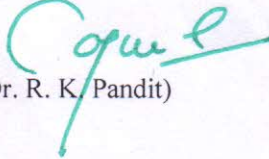
(Dr. Manish Kumar Sagar)   (Dr. S. Wadhwani)   (Dr. Pratesh Jayaswal)   (Dr. S. S. Jadon)

(Dr. P. K. Singhal)   (Dr. Rajeev Kansal)   (Dr. M. K. Trivedi)   (Dr. Laxmi Srivastava)

(Dr. Manjaree Pandit)   (Dr. Rommel Mehta)   (Dr. Mohan Sen)   (Dr. S. G. Deshmukh)

(Er. Ramesh Agarwal)   (Mr. Prashant Mehta, IAS)   (Dr. R. K. Pandit)