

PERTANDINGAN ROBOCON MALAYSIA 2020 SESI TAKLIMAT TEKNIKAL #2

ISNIN, 10 FEBRUARI, 2020



The banner features a vibrant yellow and orange background with a circuit board pattern. On the left, there is a QR code with the text 'Robocon' below it. The central logo for 'Robocon Malaysia 2020' is stylized, with 'R' as a palm tree, 'o' as a satellite dish, 'o' as a gear, 'c' as a diamond, 'o' as a gear, and 'n' as a building. To the right, the text 'DEWAN SERI SARJANA | 9-12 APRIL UNITEN | 2020' is displayed, along with the slogan '“MENGGEMPUR HALANGAN, MENJULANG KEJAYAAN”'. Logos for the Ministry of Education Malaysia, JPT (Jabatan Pendidikan Tinggi), and other institutions are visible at the bottom right.

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DEWAN SERI SARJANA | 9-12 APRIL
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**“MENGGEMPUR HALANGAN,
MENJULANG KEJAYAAN”**

Robocon
MALAYSIA 2020

JPT
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PENGENALAN

- Pertandingan ROBOCON MALAYSIA 2020 merupakan pertandingan robotik peringkat kebangsaan yang terbuka kepada semua Institusi Pendidikan Tinggi (IPT) di Malaysia.

“Menggempur Halangan, Menjulung Kejayaan”

OBJEKTIF

- Objektif utama ROBOCON MALAYSIA adalah untuk mempertingkatkan pengetahuan teknologi robotik dalam kalangan mahasiswa Institusi Pendidikan Tinggi di Malaysia di samping memberi ruang kepada mahasiswa untuk mempamerkan kemahiran, inovasi dan daya kreativiti mereka dalam penciptaan robot.

ROBOCON MALAYSIA 2020

- Peraturan ROBOCON MALAYSIA 2020 adalah berdasarkan peraturan ABU ASIA-PACIFIC ROBOT CONTEST (ROBOCON) 2020 yang akan dilangsungkan di Suva, Fiji.
- Website Rasmi ABU ROBOCON: <https://www.aburobocon2020.com.fj>
- Video: https://www.youtube.com/watch?v=_xAYY9qSZiY

ROBOCON MALAYSIA 2020

- Tarikh Pertandingan: **9-12 April 2020**
- Tempat: **Dewan Sri Sarjana, UNITEN, Kajang Selangor**
- Penganjur:
 - Kementerian Pendidikan Malaysia (KPM) - Jabatan Pendidikan Tinggi (JPT), International Islamic University Malaysia (IIUM), Radio Televisyen Malaysia (RTM), Universiti Tenaga Nasional (UNITEN)
- Website Rasmi: <https://roboconmalaysia.com/>
- Facebook Page: <https://www.facebook.com/RoboconMalaysia/>

ATURAN PERTANDINGAN

- UJIAN PADANG – 9 April 2020
- PUSINGAN BERKUMPULAN – 10 dan 11 April 2020
- PUSINGAN AKHIR – 11 dan 12 April 2020

ROBOT DESIGN HANDBOOK

- Robocon Malaysia Robot Design Handbook ialah inisiatif bagi menggalakkan perkongsian ilmu robotik.
- Robocon Malaysia Robot Design Handbook ialah kompilasi laporan teknikal setiap pasukan yang bertanding di Robocon Malaysia.
- Robocon Malaysia Robot Design Handbook 2019:
 - <http://www.iium.edu.my/office/iiumpress/robocon-2019?fbclid=IwAR34BVbHKjVJ8PYT6EwykVbS2TyO03pJv84CKy3FQSWkKKusGqulXc5biuY>

LAPORAN TEKNIKAL

- Laporan teknikal mesti diserahkan sebelum hari ujian padang (9 April 2020).
- Deposit tidak akan dipulangkan kepada pasukan yang gagal menyerahkan laporan teknikal.
- Format Laporan Teknikal boleh di dapati di lawan sesawang Robocon Malaysia:
 - www.roboconmalaysia.com/technical-report-format/
 - Rujuk borang laporan teknikal di <https://forms.gle/CKaReQkzXK4jWHbH6>

AHLI PASUKAN TAMBAHAN

- Ahli pasukan tambahan mesti diregisterkan sebelum **10 March 2020** bagi pencetakkan sijil.
 - Rujuk borang penyerahan di <https://forms.gle/paAjAAekPiuYouhS7>
- Bayaran bagi setiap seorang adalah RM5 perlu diselesaikan juga sebelum **10 March 2020**.
- Surat pengesahan ahli pasukan oleh TNC (HEP) IPT harus diserahkan pada hari ujian padang (9 April 2020).
- <http://bit.ly/2Oorak7>
- Setiap ahli pasukan termasuk ahli pasukan tambahan wajib mengisi borang pra-kaji selidik.

UJIAN PADANG

- Ujian padang akan berlangsung pada 9 April 2020
- Setiap pasukan akan diberikan masa selama 10 minit bagi menguji robot setiap belah padang. (20 minit bagi 2 belah padang)
- 2 pasukan akan berada di padang pada satu-satu masa mengikut belah masing-masing.

GAMBAR RASMI PASUKAN

- Gambar rasmi bagi setiap pasukan akan diambil setelah selesai sesi ujian padang pasukan tersebut.
- Pasukan hendaklah memakai pakaian yang bersesuaian semasa menghadiri ujian padang.
- **Sesi ujian padang adalah wajib.**

PERTANDINGAN SAMPINGAN - ROBORUGBY GOAL KICK

- Pasukan yang tidak layak ke peringkat suku akhir (Quarter Finals) berpeluang untuk menyertai pertandingan sampingan: “RoboRugby Goal Kick”.
- Pasukan yang berjaya akan dapat menerima hadiah dan naik ke pentas.

PERSEDIAAN JUARA ROBOCON MALAYSIA

TARIKH / MASA	PERKARA	TINDAKAN
13 April 2020 (8:30am)	Selamat Pagi Malaysia TVI	Juara ROBOCON Malaysia 2020
Minggu ke-2 Mei 2020	Rakaman : Juara ROBOCON Malaysia 2020	RTM Juara ROBOCON Malaysia 2020
Mei	Senarai lengkap pasukan dan butiran berkaitan	Juara ROBOCON Malaysia 2020
30 Jun 2020	Robot Check Video submission	RTM
31 Julai 2020	Video submission: - Team Intro - Documentary Programme	RTM
Julai	Penghantaran robot ke Fiji	RTM Juara ROBOCON Malaysia 2020

UPDATE TO GAME RULES

Supplement 1 for Kicking

- About the process from 'try' to 'kick'
- If the team moves to the goal kick process after a try, the team member must declare to the referee the number of kick ball/s to pick up and get permission. This is called "kick declaration". The process from "kick declaration" to the end of goal kick is called "goal kick process".
- *The "kick declaration" can be made at the following three timing:
 - Immediately after a new successful try
 - At retry
 - Immediately after kicking all the picked-up ball/s

UPDATE TO GAME RULES

- Team members pick up kick ball/s.
- Teams must choose one of the following;
 - Place all kick balls picked up by team members under article 2 in KZ.
 - All kick balls picked up by team members under article 2 must be loaded into either PR or TR (one robot only).
- In both cases of I and II of article 3, the team must report to the referee and get permission before starting the robot.
- The robot enters the KZ and performs a goal kick. At this time, one robot must kick all kick balls picked up one at a time.
- The team can move on to the next action only after kicking all the balls picked up under the article 2.

UPDATE TO GAME RULES

Supplement 2 for Kick

- About the number of kick balls that can be secured by kick declaration:
- The right to use kick ball/s acquired by successful try/s can be exercised up to 3 times at the same time. However, the upper limit is the number of kick balls remaining in the ball rack at the time of the kick declaration. Even if balls remain in the ball rack, the balls which were confirmed by 'kick declaration' by the opponent team earlier cannot be used.

FAQS

- <https://roboconmalaysia.com/faq2020/>

SESI SOAL JAWAB



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Logo of Universiti Teknologi Malaysia (UTM) and other educational institutions.

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